RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

DISTRIBUTED 2/1/2010 via e-mail

API Well No. 097 908 41

WELL SUMMARY REPORT — GEOTHERMAL

Operator	Well				
Geysers Power Company, LLC	**Aidlin 12**				
Field	County	Sec.	T.	R.	B.&M.
Geysers (Aidlin Plant)	**Sonoma**	**5**	**11N**	**9W**	**M.D.**

Location (Give surface location from property or section corner, street center line.)
1391' South and 1398' West from NE corner of Section 5

Elevation of ground above/below sea level
1723'

Latitude/Longitude (if known) Latitude: _____ Longitude: _____

Was the well directionally drilled? ☒ Yes ☐ No If yes, show coordinates at total depth. **1377' North and 805' East from surface**

Commenced drilling (date)	Total depth	True Vertical Depth	Plugged Depth	Depth measurements taken from top of:
01/14/09				☐ Derrick Floor ☐ Rotary Table ☒ Kelly Bushing
Completed drilling (date) **06/10/09**	**10,825'**	**10,447'**		Which is **30'** feet above ground

Commenced production/injection (date)	Junk	GEOLOGICAL MARKERS	DEPTH
09/02/09		**Refer to lithology log**	
Name of production/injection zone(s) **Franciscan**		Formation and age at total depth	Base of fresh water

DATE	STATIC TEST (Shut-in well head)	PRODUCTION TEST DATA								
		Total mass flow data					Separator data			
	Pressure (psig)	Sfc Pressure (psi)	Orifice (Inches)	Rate (lbs/hr)	Enthalpy (Btu/lb)	Temperature (°F)	Sfc Pressure (psi)	Temperature (°F)	Steam Rate (lbs/hr)	Water Rate (lbs/hr)

CASING AND CEMENTING RECORD (Present Hole)

Size of Casing (API) (inches)	Top of Casing (feet)	Depth of Shoe (feet)	Weight of Casing (lbs/ft)	Grade and Type of Casing	Size of Hole Drilled (inches)	Number of Sacks or Cubic Feet of Cement	Top(s) of Cement in Annulus (feet)
20"	Surface	760'	94	J-55/K-55	26"	253 BBLS	Surface
13 3/8"	Surface	5009'	68/72	K-55/N-80	17 1/2"	724 BBLS	Surface
9 5/8"	4793'	7492'	43.5/47	L-80	12 1/4"	235 BBLS	4793'
7" *7"	Surface 6500'	6519' 10,825'	29 26, 29, 32	13CR-L80 13CR-L80	9 5/8" csg 8 1/2"	N/A 8 1/8", 35.5 Receptacle	6473'-6535'

PERFORATED CASING LINER (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)
***Slotted casing 9346' - 10,825' with .25" X 2.5" slots, 6 Rows, 12 slots/ft**

Logs/surveys run? ☒ Yes ☐ No If yes, list type(s) and depth(s).
Directional Surveys 347' - 10,392'

In compliance with Sec. 3215, Division 3, of the *Public Resources Code*, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name	Title	
Marc W. Steffen	Sr. Drilling Engineer	
Address **10350 Socrates Mine Road**	City/State **Middletown, CA**	Zip Code **95461**
Telephone **707-6102**	Signature MWS	Date 1/11/2010
E-Mail marc@calpine.com	Fax 707-431-6203	

OGG100 (3/08)

DISTRIBUTED
2/3/10 to DOGGR
via e-mail (No # version)

Well Summary Report

Well ID: Aidlin # 12

Field: Geysers

Calpine

Well Name: Aidlin # 12

Sect: 32 Town: 12 N Rng: 9 W County: Sonoma State: CA

Operator: Operator **Working Interest:**

AFE Nos: 221540

API No: **Spud Date:**

Location:

Reports for 00:00 on date shown

07-Jan-09

Current Depth (ft): 69 **Hole Drilled (ft):** 69 **Ave ROP:**

Current Ops: Rig idled while waiting on daylight.

Operation Summary:

Prepared to and lowered derrick, unsntrung blocks. Cleaned mud pits, unlugged electrical wires, in preperation for rig move. (20 hrs)

Rig idled while waiting on daylight. (4 hrs)

Comments: Prepared to and lowered derrick, unsntrung blocks. Cleaned mud pits, unlugged electrical wires, in preperation for rig move.

Mud Data: None

Surveys: None

Daily Costs ($): 32,305 **Well Costs ($):** 32,305

Drilling Days: 1 **Completion Days:** 0 **Workover Days:** 0

08-Jan-09

Current Depth (ft): 69 **Hole Drilled (ft):** 0 **Ave ROP:**

Current Ops: Rig idled while waiting on daylight.

Operation Summary:

Rig idled while waiting on daylight. (6.5 hrs)

Tailboard all personel. (0.5 hrs)

Began to load out rig. (12 hrs)

Rig idled while waiting on daylight. (5 hrs)

Comments: Rig idled while waiting on daylight.Tailboard all personel.Began to load out rig and transport to the Aidlin # 12 location.Rig idled waiting on daylight.

Mud Data: None

Surveys: None

Daily Costs ($): 26,600 **Well Costs ($):** 58,905

Drilling Days: 2 **Completion Days:** 0 **Workover Days:** 0

09-Jan-09

Current Depth (ft): 69 **Hole Drilled (ft):** 0 **Ave ROP:**

Current Ops: Rig idled while waiting on daylight.

Operation Summary:

Rig idled while waiting on daylight. (6.5 hrs)

Tailboard all personel. (0.5 hrs)

Continued to load out rig and transport to Aidlin # 12. (12 hrs)

Rig idled while waiting on daylight. (5 hrs)

Comments: Rig idled while waiting on daylight.Tailboard all personel.Continued to load out rig and transport to Aidlin #12.Rig idled while waiting on daylight.

Mud Data: None

Surveys: None

Daily Costs ($): 26,600 **Well Costs ($):** 85,505

Drilling Days: 3 **Completion Days:** 0 **Workover Days:** 0

10-Jan-09

Current Depth (ft): 69 **Hole Drilled (ft):** 0 **Ave ROP:**

Current Ops: Rig idled while waiting on daylight.

Operation Summary:

Rig idled while waiting on daylight. (6.5 hrs)
Tailboard with all personel. (0.5 hrs)
Finished loading out rig form the GDCF 36A-28 location . Transported cranes to Aidlin # 12 location, set camp and subases. (12 hrs)
Rig idled waiting on daylight. (5 hrs)

Comments: Rig idled while waiting on daylight.Tailboard with all personel.Finished loading out rig form the GDCF 36A-28 location . Transported cranes to Aidlin # 12 location, set camp and subases.Rig idled waiting on daylight.

Mud Data: None

Surveys: None

Daily Costs ($): 204,600 **Well Costs ($):** 290,105

Drilling Days: 4 **Completion Days:** 0 **Workover Days:** 0

11-Jan-09

Current Depth (ft): 69 **Hole Drilled (ft):** 0 **Ave ROP:**

Current Ops: Rig idled while waiting on daylight.

Operation Summary:

Rig idled while waiting on daylight. (6.5 hrs)
Tailboard. (0.5 hrs)
Continued to set in rig on Aidlin #12. (12 hrs)
Rig idled while waiting on daylight. (5 hrs)

Comments: Rig idled while waiting on daylight.Tailboard.Continued to set in rig on Aidlin #12.Rig idled while waiting on daylight.

Mud Data: None

Surveys: 347ft - 2 deg Inc, 215 deg Az;

Daily Costs ($): 29,577 **Well Costs ($):** 319,682

Drilling Days: 5 **Completion Days:** 0 **Workover Days:** 0

12-Jan-09

Current Depth (ft): 69 **Hole Drilled (ft):** 0 **Ave ROP:**

Current Ops: Rig idled while waiting on daylight.

Operation Summary:

Rig idled while waiting on daylight. (6.5 hrs)
Tailboard all personel. (0.5 hrs)
Finished setting in the rig, hung derrick, released cranes, began to rig up. (12 hrs)
Rig idled while waiting on daylight. (5 hrs)

Comments: Rig idled while waiting on daylight.Tailboard all personel.Finished setting in the rig, hung derrick, released cranes, began to rig up.Rig idled while waiting on daylight.

Mud Data: None

Surveys: None

Daily Costs ($): 28,142 **Well Costs ($):** 347,824

Drilling Days: 6 **Completion Days:** 0 **Workover Days:** 0

13-Jan-09

Current Depth (ft): 69 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Rigged up floor. Finished rigging pits.

Operation Summary:

Rig idle,waited on daylight. (7 hrs)
Strung blocks and raised derrick.Fabricated flow line,rat hole and mud line.Rigged up pumps,pits,and floor. (12 hrs)
Rig idle,waited on daylight. (5 hrs)

Comments: Rig idle,waited on daylight.Strung blocks and raised derrick.Fabricated flow line,rat hole and mud line.Rigged up pumps,pits,and floor.Rig idle,waited on daylight.

Mud Data: None

Surveys: None

Daily Costs ($): 43,666 **Well Costs ($):** 391,490

Drilling Days: 7 **Completion Days:** 0 **Workover Days:** 0

14-Jan-09

Current Depth (ft): 69 **Hole Drilled (ft):** 0 **Ave ROP:**

Current Ops: Picked up and made up drilling tools.Drilled from 66' to 98'.Troubleshot scr for mud pumps kicking off.

Operation Summary:

Rigged up floor,rotary chain,kelly hose,and lug pumps and pits. (8 hrs)

Set in and welded conductor,made up flow line.Rig on company time @ 08:00 1/14/09.Mixed mud. (8 hrs)

Made up kelly and standpipe,Picked up drilling tools,bails,and elavators. (8 hrs)

Comments: Rigged up floor,rotary chain,kelly hose,and lug pumps and pits.Set in and welded conductor,made up flow line.Rig on company time @ 08:00 1/14/09.Mixed mud.Made up kelly and standpipe,Picked up drilling tools,bails,and elavators.

Mud Data: MW: 8.4 Viscosity: 53 Filtrate:

Surveys: None

Daily Costs ($): 47,284 **Well Costs ($):** 438,774

Drilling Days: 8 **Completion Days:** 0 **Workover Days:** 0

15-Jan-09

Current Depth (ft): 488 **Hole Drilled (ft):** 419 **Ave ROP:** 22.6

Current Ops: Drilled from 488' to 620'.

Operation Summary:

Made up bha. (3 hrs)

Drilled with mud motor from 66' to 90'. (1.5 hrs)

Mud pumps stopped operating,troubleshot control wires in drillers consul and scr. (2 hrs)

Drilled from 90' to 437'. (15 hrs)

Surveyed @ 347'. (0.5 hrs)

Drilled from 437' to 488'. (2 hrs)

Comments: Made up bha.Drilled with mud motor from 66' to 90'.Mud pumps stopped operating,troubleshot control wires in drillers consul and scr.Drilled from 90' to 437'.Surveyed @ 347'.Drilled from 437' to 488'.

Mud Data: MW: 8.7 Viscosity: 48 Filtrate: 18

Surveys: None

Daily Costs ($): 96,998 **Well Costs ($):** 535,772

Drilling Days: 9 **Completion Days:** 0 **Workover Days:** 0

16-Jan-09

Current Depth (ft): 775 **Hole Drilled (ft):** 287 **Ave ROP:** 13.7

Current Ops: Tripped in hole to 775'.Circulated for casing.Tripped out of hole for casing.Tong jaw broke while breaking out monel.Waited on spare tong from rig 3.

Operation Summary:

Drilled 26" hole with mud motor from 488' to 775'. (21 hrs)

Circulated and surveyed @ 690'. (1 hrs)

Wiped hole to 66'. (2 hrs)

Comments: Drilled 26" hole with mud motor from 488' to 775'.Circulated and surveyed @ 690'.Wiped hole to 66'.

Mud Data: MW: 8.8 Viscosity: 47 Filtrate: 15

Surveys: 690ft - 3.25 deg Inc, 217 deg Az;

Daily Costs ($): 60,106 **Well Costs ($):** 595,878

Drilling Days: 10 **Completion Days:** 0 **Workover Days:** 0

17-Jan-09

Current Depth (ft): 775 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Rigged up to run stab in.Tripped in hole with stab in.Rigged up cementer head and circulated casing.Cemented casing.

Operation Summary:

Tripped in hole to 775'. (2 hrs)
Circulated hole clean for casing. (0.5 hrs)
Tripped out of hole.While breaking connection on bottom of monel rig tong body cracked and broke. (2 hrs)
Waited on replacement tongs. (6.5 hrs)
Laid down directional tools,cleared floor and catwalk. (2 hrs)
Rigged up to run 20' casing. (3 hrs)
Ran 20" casing. (6.5 hrs)
Rigged down casing crew. (1 hrs)
Rigged up to run drill pipe stab in. (0.5 hrs)

Comments: Tripped in hole to 775'.Circulated hole clean for casing.Tripped out of hole.While breaking connection on bottom of monel rig tong body cracked and broke.Waited on replacement tongs.Laid down directional tools,cleared floor and catwalk.Rigged up to run 20' casing.Ran 20" casing.Rigged down casing crew.Rigged up to run drill pipe stab in.

Mud Data: None

Surveys: None

Daily Costs ($):	116,490	**Well Costs ($):**	712,368		
Drilling Days:	11	**Completion Days:**	0	**Workover Days:**	0

18-Jan-09

Current Depth (ft):	775	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: Set in bag and pincher nippled,nippled up bop.

Operation Summary:

Rigged up to run stinger. (1 hrs)
Tripped in hole with stinger picked up 15 joints drill pipe. (2.5 hrs)
Circulated casing,rigged up Haliburton. (1.5 hrs)
Cemented casing.CIP 06:30.Rigged down Haliburton.Tripped out of hole with stinger. (3 hrs)
Waited on cement.Rigged up accumulator and rigged down flow line. (7 hrs)
Rough cut and lay down conductor and casing.Final cut casing and conductor. (4 hrs)
Set in and weld on wellhead flange. (3 hrs)
Set in dsa spool,cross over spool,and single gate. (2 hrs)

Comments: Rigged up to run stinger.Tripped in hole with stinger picked up 15 joints drill pipe.Circulated casing,rigged up Haliburton.Cemented casing.CIP 06:30.Rigged down Haliburton.Tripped out of hole with stinger.Waited on cement.Rigged up accumulator and rigged down flow line.Rough cut and lay down conductor and casing.Final cut casing and conductor.Set in and weld on wellhead flange.Set in dsa spool,cross over spool,and single gate.

Mud Data: None

Surveys: None

Daily Costs ($):	167,764	**Well Costs ($):**	880,132		
Drilling Days:	12	**Completion Days:**	0	**Workover Days:**	0

19-Jan-09

Current Depth (ft):	775	**Hole Drilled (ft):**	0	**Ave ROP:**	

Current Ops: Drilled out cement,float,and shoe from 728' to 775'.Drilled from 775' to 825'.

Operation Summary:

Set in bag and pincher nipple,nipple up bop. (10 hrs)
Function test bop,tripped in hole,laid down 9 joints drill pipe (cement coated inside of pipe). (2 hrs)
Tested blind rams to 300 psi good test.(DOG witnessed). (0.5 hrs)
Laid down 9" monel galled threads,laid down 14 joints drill pipe (cement coated inside of pipe). (3.5

hrs)
Made up 17 1/2" bit and veritrak mud motor,tripped in hole to 500'. (6 hrs)
Tested mud motor,tested bop bag to 300 psi good test. (1 hrs)
Tripped in hole,tagged cement @728'. (1 hrs)

Comments: Set in bag and pincher nipple,nipple up bop.Function test bop,tripped in hole,laid down 9 joints drill pipe (cement coated inside of pipe).Tested blind rams to 300 psi good test. (DOG witnessed).Laid down 9" monel galled threads,laid down 14 joints drill pipe (cement coated inside of pipe).Made up 17 1/2" bit and veritrak mud motor,tripped in hole to 500'.Tested mud motor,tested bop bag to 300 psi good test.Tripped in hole,tagged cement @728'.

Mud Data: MW: 8.9 Viscosity: 50 Filtrate: 17

Surveys: None

Daily Costs ($):	138,375	**Well Costs ($):**	1,018,507		
Drilling Days:	13	**Completion Days:**	0	**Workover Days:**	0

20-Jan-09

Current Depth (ft):	1,100	**Hole Drilled (ft):**	325	**Ave ROP:**	14.8

Current Ops: Drilling ahead at 1200'.

Operation Summary:

Cleaned out float at 728' and cement to 775'. (2 hrs)
Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 775' to 1100'. (22 hrs)

Comments: Cleaned out float at 728' and cement to 775'.Drilled 17 1/2" hole with the "Vertitrak" BHA from 775' to 1100'.

Mud Data: MW: 9.8 Viscosity: 42 Filtrate: 6.9

Surveys: 862ft - 2.2 deg Inc, 217 deg Az; 956ft - 0.6 deg Inc, 217 deg Az; 1052ft - 0.02 deg Inc, 0 deg Az;

Daily Costs ($):	68,167	**Well Costs ($):**	1,086,674		
Drilling Days:	14	**Completion Days:**	0	**Workover Days:**	0

21-Jan-09

Current Depth (ft):	1,410	**Hole Drilled (ft):**	310	**Ave ROP:**	14.1

Current Ops: Drilling ahead at 1500' .

Operation Summary:

Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1100' to 1264'. (12 hrs)
Welded washed out union in the mud line. Changed out head in mud pump # 2. (2 hrs)
Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1264' to 1410'. (10 hrs)

Comments: Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1100' to 1264'. Welded washed out union in the mud line. Changed out head in mud pump # 2.Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1264' to 1410'.

Mud Data: MW: 9.4 Viscosity: 38 Filtrate: 7

Surveys: 1146ft - 0.04 deg Inc, 0 deg Az; 1240ft - 0.02 deg Inc, 0 deg Az; 1335ft - 0.04 deg Inc, 0 deg Az; 1430ft - 0.07 deg Inc, 0 deg Az;

Daily Costs ($):	76,304	**Well Costs ($):**	1,162,978		
Drilling Days:	15	**Completion Days:**	0	**Workover Days:**	0

22-Jan-09

Current Depth (ft):	1,618	**Hole Drilled (ft):**	208	**Ave ROP:**	10.1

Current Ops: Drilling ahead at 1670.

Operation Summary:

Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1410' to 1535'. (12 hrs)
Pulled out of the hole to the shoe. (0.5 hrs)
Jacked up the front end of the rig to regain level subases. (2.5 hrs)
Ran in the hole. (0.5 hrs)
Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1535' to 1618'. (8.5 hrs)

Comments: Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1410' to 1535'.Pulled out of the

hole to the shoe.Jacked up the front end of the rig to regain level subases.Ran in the hole.Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1535' to 1618'.

Mud Data: MW: 9.4 Viscosity: 40 Filtrate: 7.2

Surveys: 1525ft - 0.07 deg Inc, 0 deg Az; 1620ft - 0.11 deg Inc, 0 deg Az;

Daily Costs ($): 74,204 **Well Costs ($):** 1,237,181

Drilling Days: 16 **Completion Days:** 0 **Workover Days:** 0

23-Jan-09

Current Depth (ft): 1,825 **Hole Drilled (ft):** 207 **Ave ROP:** 8.6

Current Ops: Drilling ahead at 1885'.

Operation Summary:

Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1618' to 1825'. (24 hrs)

Comments: Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1618' to 1825'.

Mud Data: MW: 9.7 Viscosity: 44 Filtrate: 6.4

Surveys: 1715ft - 0.07 deg Inc, 0 deg Az; 1811ft - 0.2 deg Inc, 0 deg Az;

Daily Costs ($): 68,564 **Well Costs ($):** 1,305,745

Drilling Days: 17 **Completion Days:** 0 **Workover Days:** 0

24-Jan-09

Current Depth (ft): 2,080 **Hole Drilled (ft):** 255 **Ave ROP:** 10.6

Current Ops: Drilling ahead at 2126' .

Operation Summary:

Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1825' to 2080'. (24 hrs)

Comments: Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 1825' to 2080'.

Mud Data: MW: 9.5 Viscosity: 44 Filtrate: 6.3

Surveys: 1906ft - 0.011 deg Inc, 0 deg Az; 2001ft - 0.08 deg Inc, 0 deg Az;

Daily Costs ($): 58,416 **Well Costs ($):** 1,364,161

Drilling Days: 18 **Completion Days:** 0 **Workover Days:** 0

25-Jan-09

Current Depth (ft): 2,142 **Hole Drilled (ft):** 62 **Ave ROP:** 8.3

Current Ops: Drilling ahead at 2220'.

Operation Summary:

Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 2080' to 2126'. (6 hrs)

Pulled out of the hole.Made up bit # 3. Ran in the hole. Tagged tight hole at 1008'. (6 hrs)

Reamed from 1008' to 2126'. (10.5 hrs)

Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 2126' to 2142'. (1.5 hrs)

Comments: Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 2080' to 2126'.Pulled out of the hole.Made up bit # 3. Ran in the hole. Tagged tight hole at 1008'.Reamed from 1008' to 2126'.Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 2126' to 2142'.

Mud Data: MW: 9.5 Viscosity: 44 Filtrate: 5.8

Surveys: 2096ft - 0.15 deg Inc, 0 deg Az;

Daily Costs ($): 109,220 **Well Costs ($):** 1,473,381

Drilling Days: 19 **Completion Days:** 0 **Workover Days:** 0

26-Jan-09

Current Depth (ft): 2,327 **Hole Drilled (ft):** 185 **Ave ROP:** 11.2

Current Ops: Continued to pull out of the hole. Stood back "Vertitrak" tools. Ran in the hole to the shoe. Built mud volume.

Operation Summary:

Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 2142' to 2320'. Started losing circulation at 2312', aprox 100 bph. (15.5 hrs)

Pulled out of the hole to the shoe. (1.5 hrs)

Built mud volume in pits. (2.5 hrs)

Ran in the hole, tagged tight hole at 2275'. (1 hrs)
Reamed from 2275' to 2320', losing aprox 100 bph of mud. (0.5 hrs)
Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 2320' to 2327' losing aprox 100 bph of mud. (1 hrs)
Pulled out of the hole. (2 hrs)

Comments: Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 2142' to 2320'. Started losing circulation at 2312', aprox 100 bph.Pulled out of the hole to the shoe.Built mud volume in pits.Ran in the hole, tagged tight hole at 2275'.Reamed from 2275' to 2320', losing aprox 100 bph of mud.Drilled 17 1/2" hole with the "Vertitrak" BHA hole from 2320' to 2327' losing aprox 100 bph of mud.Pulled out of the hole.

Mud Data: MW: 9.5 Viscosity: 45 Filtrate: 5.2

Surveys: 2191ft - 0.13 deg Inc, 0 deg Az; 2286ft - 0.18 deg Inc, 0 deg Az;

Daily Costs ($):	93,971	**Well Costs ($):**	1,567,352		
Drilling Days:	20	**Completion Days:**	0	**Workover Days:**	0

27-Jan-09

Current Depth (ft): 2,327 **Hole Drilled (ft):** 0 **Ave ROP:**

Current Ops: Made up bha,tripped in hole tagged stringer @ 2022'.Cleaned out stringer @ 2022',circulated out thick mud.Slid in hole tagged cement @2232'.Ceaned out cement from 2232' to 2284'.

Operation Summary:

Tripped out of hole with bha. (2 hrs)
Tripped in hole with drill pipe to 757'.Mixed mud. (2 hrs)
Tripped in hole tagged cement @ 2318',tripped out of hole to 757'. (2 hrs)
Laid down 12 joints drill pipe,tripped in hole to 757'. (2.5 hrs)
Waited on Haliburton. (7 hrs)
Rigged up Haliburton,tripped in hole to 2317'.Set plug #1 108 lf,cip 17:30. (2 hrs)
Tripped out of hole to 757',cleared pipe. (1.5 hrs)
Waited on cement.Checked for fluid loss(no loss). (2.5 hrs)
Tripped out of hole with drill pipe. (0.5 hrs)
Cleared floor,changed elavators,tripped in hole with bha. (2 hrs)

Comments: Tripped out of hole with bha.Tripped in hole with drill pipe to 757'.Mixed mud.Tripped in hole tagged cement @ 2318',tripped out of hole to 757'.Laid down 12 joints drill pipe,tripped in hole to 757'.Waited on Haliburton.Rigged up Haliburton,tripped in hole to 2317'.Set plug #1 108 lf,cip 17:30.Tripped out of hole to 757',cleared pipe.Waited on cement.Checked for fluid loss(no loss).Tripped out of hole with drill pipe.Cleared floor,changed elavators,tripped in hole with bha.

Mud Data: MW: 9.2 Viscosity: 43 Filtrate: 9.2

Surveys: None

Daily Costs ($):	90,799	**Well Costs ($):**	1,658,151		
Drilling Days:	21	**Completion Days:**	0	**Workover Days:**	0

28-Jan-09

Current Depth (ft): 2,421 **Hole Drilled (ft):** 94 **Ave ROP:** 12.5

Current Ops: set cement plug #2 162 linear feet cip 00:30.Tripped out of hole laid down 12 joints drill pipe.Repaired cathead on drawworks.Filled hole 12 barrels to fill .Began making up bha.

Operation Summary:

Tripped in hole,tagged cement stringer @ 2022'. (2.5 hrs)
Circulated out thick mud.Slid in hole cleaning out stringers and reaming from 2022' to 2232'.Tagged hard cement @ 2232'. (3 hrs)
Cleaned out cement from 2232' to 2327'.Circulated and conditioned mud checked for loss. (3 hrs)
Drilled 17 1/2" hole from 2327' to 2421'.Lost 25 bph @ 2345' pumped sweeps built volume lost 60 bph @ 2421'. (7.5 hrs)
Tripped out of hole with bha. (5 hrs)
Tripped in hole with open ended drill pipe to 2400'. (2 hrs)

Circulated and rigged up Haliburton,lost 50 barrels while circulating. (1 hrs)

Comments: Tripped in hole,tagged cement stringer @ 2022'.Circulated out thick mud.Slid in hole cleaning out stringers and reaming from 2022' to 2232'.Tagged hard cement @ 2232'.Cleaned out cement from 2232' to 2327'.Circulated and conditioned mud checked for loss.Drilled 17 1/2" hole from 2327' to 2421'.Lost 25 bph @ 2345' pumped sweeps built volume lost 60 bph @ 2421'.Tripped out of hole with bha.Tripped in hole with open ended drill pipe to 2400'.Circulated and rigged up Haliburton,lost 50 barrels while circulating.

Mud Data: MW: 9 Viscosity: 44 Filtrate: 9.5

Surveys: 2380ft - 0.05 deg Inc, 0 deg Az;

Daily Costs ($):	100,152	**Well Costs ($):**	1,758,303		
Drilling Days:	22	**Completion Days:**	0	**Workover Days:**	0

29-Jan-09

Current Depth (ft):	2,545	**Hole Drilled (ft):**	124	**Ave ROP:**	13.8

Current Ops: Drilled from 2545' to 2630'.

Operation Summary:

Set plug #2 @ 2400' 162 Lin/ft cip 00:30. (0.5 hrs)
Tripped out to 1644' cleared pipe. (1 hrs)
Removed breakout cathead from drawworks. (1 hrs)
Tripped out of hole laid down 12 joints drill pipe,serviced rig. (2.5 hrs)
Made up bha. (1 hrs)
Repaired and reinstalled breakout cathead to drawworks. (1 hrs)
Continued making up bha,tripped in hole and tagged cement sringer @1989'. (2.5 hrs)
Cleanded out stringers and reamed from 1989' to 2280'.Tagged solid cement @2280'. (3.5 hrs)
Cleaned out cement from 2280' to 2421'. (2 hrs)
Drilled 17 1/2" hole with VertiTrak from 2421' to 2545'. (9 hrs)

Comments: Set plug #2 @ 2400' 162 Lin/ft cip 00:30.Tripped out to 1644' cleared pipe.Removed breakout cathead from drawworks.Tripped out of hole laid down 12 joints drill pipe,serviced rig.Made up bha.Repaired and reinstalled breakout cathead to drawworks.Continued making up bha,tripped in hole and tagged cement sringer @1989'.Cleanded out stringers and reamed from 1989' to 2280'.Tagged solid cement @2280'.Cleaned out cement from 2280' to 2421'.Drilled 17 1/2" hole with VertiTrak from 2421' to 2545'.

Mud Data: MW: 9 Viscosity: 40 Filtrate: 10

Surveys: 2473ft - 0.16 deg Inc, 0 deg Az; 2568ft - 0.11 deg Inc, 0 deg Az;

Daily Costs ($):	106,985	**Well Costs ($):**	1,865,288		
Drilling Days:	23	**Completion Days:**	0	**Workover Days:**	0

30-Jan-09

Current Depth (ft):	2,711	**Hole Drilled (ft):**	166	**Ave ROP:**	13.8

Current Ops: Drilled from 2711' to 2761'.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 2545' to 2661'. (8.5 hrs)
Lost oil pressure to steering fins in VertiTrak,tripped out of hole. (6.5 hrs)
Made up new VertiTrak and tripped in hole to 2589'. (5 hrs)
Reamed from 2589' to 2661'. (0.5 hrs)
Drilled from 2661' to 2711'. (3.5 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 2545' to 2661'.Lost oil pressure to steering fins in VertiTrak,tripped out of hole.Made up new VertiTrak and tripped in hole to 2589'.Reamed from 2589' to 2661'.Drilled from 2661' to 2711'.

Mud Data: MW: 9 Viscosity: 46 Filtrate: 6.6

Surveys: 2631ft - 0.7 deg Inc, 0 deg Az; 2724ft - 0.06 deg Inc, 0 deg Az;

Daily Costs ($):	64,963	**Well Costs ($):**	1,930,251

	Drilling Days:	24	**Completion Days:**	0	**Workover Days:**	0

31-Jan-09

Current Depth (ft):	2,850	**Hole Drilled (ft):**	139	**Ave ROP:**	8.7

Current Ops: Drilled from 2850' to 2893'.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 2711' to 2763'.Cone locked up not allowing weight to be put on bit (7.5 hrs)

Tripped out of hole,removed bit. (3.5 hrs)

Made up new bit,tripped in hole to 2703'. (4 hrs)

Reamed from 2703' to 2763'. (0.5 hrs)

Drilled from 2763' to 2850'. (8.5 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 2711' to 2763'.Cone locked up not allowing weight to be put on bitTripped out of hole,removed bit.Made up new bit,tripped in hole to 2703'.Reamed from 2703' to 2763'.Drilled from 2763' to 2850'.

Mud Data: MW: 9 Viscosity: 50 Filtrate: 5.8

Surveys: 2820ft - 0 deg Inc, 0 deg Az;

Daily Costs ($):	112,876	**Well Costs ($):**	2,043,127		
Drilling Days:	25	**Completion Days:**	0	**Workover Days:**	0

01-Feb-09

Current Depth (ft):	3,056	**Hole Drilled (ft):**	206	**Ave ROP:**	8.6

Current Ops: Drilled from 3056' to 3102'.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 2850' to 3056'. (24 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 2850' to 3056'.

Mud Data: MW: 9.1 Viscosity: 52 Filtrate: 5.1

Surveys: 2915ft - 0.13 deg Inc, 0 deg Az; 3010ft - 0.06 deg Inc, 0 deg Az;

Daily Costs ($):	61,048	**Well Costs ($):**	2,104,175		
Drilling Days:	26	**Completion Days:**	0	**Workover Days:**	0

02-Feb-09

Current Depth (ft):	3,251	**Hole Drilled (ft):**	195	**Ave ROP:**	8.1

Current Ops: Drilled from 3251' to 3300'.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 3056' to 3251'. (24 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 3056' to 3251'.

Mud Data: MW: 9.1 Viscosity: 48 Filtrate: 4.7

Surveys: 3105ft - 0.18 deg Inc, 0 deg Az; 3199ft - 0.09 deg Inc, 0 deg Az;

Daily Costs ($):	59,751	**Well Costs ($):**	2,163,926		
Drilling Days:	27	**Completion Days:**	0	**Workover Days:**	0

03-Feb-09

Current Depth (ft):	3,415	**Hole Drilled (ft):**	164	**Ave ROP:**	8.0

Current Ops: Drilling ahead at 3460'.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 3251' to 3314'. (7.5 hrs)

Made electrical repairs in SCR house. (2 hrs)

Drilled 17 1/2" hole with VertiTrak from 3314' to 3341'. (3 hrs)

Repaired mud pump pressure relieve valve. (1.5 hrs)

Drilled 17 1/2" hole with VertiTrak from 3314' to 3415'. No mud loss. (10 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 3251' to 3314'.Made electrical repairs in SCR house. Drilled 17 1/2" hole with VertiTrak from 3314' to 3341'.Repaired mud pump pressure relieve valve.Drilled 17 1/2" hole with VertiTrak from 3314' to 3415'. No mud loss.

	Mud Data:	MW: 9.2 Viscosity: 48 Filtrate: 4.8					
	Surveys:	3294ft - 0.4 deg Inc, 0 deg Az; 3389ft - 0.42 deg Inc, 0 deg Az;					
	Daily Costs ($):	74,456	**Well Costs ($):**	2,238,381			
	Drilling Days:	28	**Completion Days:**	0	**Workover Days:**	0	
04-Feb-09	**Current Depth (ft):**	3,514	**Hole Drilled (ft):**	99	**Ave ROP:**	6.6	
	Current Ops:	Continued to run in the hole. Reamed tight hole from 2054' to 2190'. Ran in the hole from 2190' to 2779'. Reamed from 2779' to 3000' at 6:00 am.					
	Operation Summary:						
	Drilled 17 1/2" hole with VertiTrak from 3415' to 3514'. No mud loss. (15 hrs)						
	Pulled out of the hole, due to slow penetration rate. Removed bit # 4. (4 hrs)						
	Made up bit # 5 and changed out shock sub. Ran in the hole. (5 hrs)						
	Comments:	Drilled 17 1/2" hole with VertiTrak from 3415' to 3514'. No mud loss.Pulled out of the hole, due to slow penetration rate. Removed bit # 4.Made up bit # 5 and changed out shock sub. Ran in the hole.					
	Mud Data:	MW: 9.1 Viscosity: 47 Filtrate: 5.2					
	Surveys:	3484ft - 0.22 deg Inc, 0 deg Az;					
	Daily Costs ($):	108,939	**Well Costs ($):**	2,347,320			
	Drilling Days:	29	**Completion Days:**	0	**Workover Days:**	0	
05-Feb-09	**Current Depth (ft):**	3,612	**Hole Drilled (ft):**	98	**Ave ROP:**	9.8	
	Current Ops:	Drilling ahead at 3670'.					
	Operation Summary:						
	Continued to run in the hole. (1.5 hrs)						
	Reamed tight hole from 2054' to 2150'. (0.5 hrs)						
	Ran in the hole to 2779'. (1 hrs)						
	Reamed tight hole from 2779' to 3514'. (11 hrs)						
	Drilled 17 1/2" hole with VertiTrak from 3514' to 3612'. No mud loss. (10 hrs)						
	Comments:	Continued to run in the hole.Reamed tight hole from 2054' to 2150'.Ran in the hole to 2779'.Reamed tight hole from 2779' to 3514'.Drilled 17 1/2" hole with VertiTrak from 3514' to 3612'. No mud loss.					
	Mud Data:	MW: 9.1 Viscosity: 48 Filtrate: 5.3					
	Surveys:	3580ft - 0.02 deg Inc, 0 deg Az;					
	Daily Costs ($):	57,910	**Well Costs ($):**	2,405,230			
	Drilling Days:	30	**Completion Days:**	0	**Workover Days:**	0	
06-Feb-09	**Current Depth (ft):**	3,814	**Hole Drilled (ft):**	202	**Ave ROP:**	8.4	
	Current Ops:	Drilling ahead at 3865'.					
	Operation Summary:						
	Drilled 17 1/2" hole with VertiTrak from 3612' to 3814'. No mud loss. (24 hrs)						
	Comments:	Drilled 17 1/2" hole with VertiTrak from 3612' to 3814'. No mud loss.					
	Mud Data:	MW: 9.1 Viscosity: 47 Filtrate: 5.3					
	Surveys:	3675ft - 0.07 deg Inc, 0 deg Az; 3770ft - 0.06 deg Inc, 0 deg Az;					
	Daily Costs ($):	65,680	**Well Costs ($):**	2,470,910			
	Drilling Days:	31	**Completion Days:**	0	**Workover Days:**	0	
07-Feb-09	**Current Depth (ft):**	4,024	**Hole Drilled (ft):**	210	**Ave ROP:**	8.8	
	Current Ops:	Drilling ahead at 4060' .					
	Operation Summary:						
	Drilled 17 1/2" hole with VertiTrak from 3814' to 4024'. No mud loss. (24 hrs)						

Comments: Drilled 17 1/2" hole with VertiTrak from 3814' to 4024'. No mud loss.
Mud Data: MW: 9.3 Viscosity: 44 Filtrate: 5.2
Surveys: 3866ft - 0.08 deg Inc, 0 deg Az; 3961ft - 0.09 deg Inc, 0 deg Az;
Daily Costs ($): 71,333 **Well Costs ($):** 2,542,243
Drilling Days: 32 **Completion Days:** 0 **Workover Days:** 0

08-Feb-09

Current Depth (ft): 4,192 **Hole Drilled (ft):** 168 **Ave ROP:** 7.5
Current Ops: Drilling ahead at 4242'.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 4024' to 4036. No mud loss. (2 hrs)
Made repairs to mud pump # 1. (0.5 hrs)
Drilled 17 1/2" hole with VertiTrak from 4036' to 4117'. No mud loss. (10.5 hrs)
Made repairs to mud pump # 1. (1 hrs)
Drilled 17 1/2" hole with VertiTrak from 4117' to 4192'. No mud loss. (10 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 4024' to 4036. No mud loss.Made repairs to mud pump # 1.Drilled 17 1/2" hole with VertiTrak from 4036' to 4117'. No mud loss.Made repairs to mud pump # 1.Drilled 17 1/2" hole with VertiTrak from 4117' to 4192'. No mud loss.
Mud Data: MW: 9.5 Viscosity: 44 Filtrate: 5.3
Surveys: 4055ft - 0.12 deg Inc, 0 deg Az; 4150ft - 0.22 deg Inc, 0 deg Az;
Daily Costs ($): 63,057 **Well Costs ($):** 2,605,300
Drilling Days: 33 **Completion Days:** 0 **Workover Days:** 0

09-Feb-09

Current Depth (ft): 4,338 **Hole Drilled (ft):** 146 **Ave ROP:** 8.1
Current Ops: Changed out Vertitrak mud motor assembly for new one. Made up new 17 1/2" bit # 6. Ran BHA in the hole. Slip and cut drilling line.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 4192' to 4338'. No mud loss. (18 hrs)
Pulled out of the hole, due to decrease in penetration rate. (6 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 4192' to 4338'. No mud loss.Pulled out of the hole, due to decrease in penetration rate.
Mud Data: MW: 9.3 Viscosity: 44 Filtrate: 5.5
Surveys: 4244ft - 0.09 deg Inc, 0 deg Az;
Daily Costs ($): 95,453 **Well Costs ($):** 2,700,754
Drilling Days: 34 **Completion Days:** 0 **Workover Days:** 0

10-Feb-09

Current Depth (ft): 4,400 **Hole Drilled (ft):** 62 **Ave ROP:** 7.8
Current Ops: Drilled from 4400' to 4459'.

Operation Summary:

Laid down mud motor and stabalizer. (1.5 hrs)
Made up new bha,tripped in hole to 760'.Tested mud motor. (4.5 hrs)
Cut and slipped drill line 53'. (2 hrs)
Tripped in hole to 1926'. (1.5 hrs)
Reamed from 1926' to 2157'. (3 hrs)
Tripped in hole to 4201'. (2 hrs)
Reamed from 4201' to 4338'. (1.5 hrs)
Drilled 17 1/2" hole with VertiTrak from 4338' to 4400'. (8 hrs)

Comments: Laid down mud motor and stabalizer.Made up new bha,tripped in hole to 760'.Tested mud motor.Cut and slipped drill line 53'.Tripped in hole to 1926'.Reamed from 1926' to 2157'.Tripped in hole to 4201'.Reamed from 4201' to 4338'.Drilled 17 1/2" hole with VertiTrak from 4338' to 4400'.

Mud Data: MW: 9.3 Viscosity: 44 Filtrate: 5.5

Surveys: 4338ft - 0.35 deg Inc, 0 deg Az;

Daily Costs ($): 106,015 **Well Costs ($):** 2,806,769

Drilling Days: 35 **Completion Days:** 0 **Workover Days:** 0

11-Feb-09

Current Depth (ft): 4,627 **Hole Drilled (ft):** 227 **Ave ROP:** 9.5

Current Ops: Drilled from 4627' to 4685'.Well took 100 bbl drink @ 4660'.No losses @ 06:00.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 4400' to 4627'. (24 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 4400' to 4627'.

Mud Data: MW: 9.6 Viscosity: 47 Filtrate: 5.1

Surveys: 4433ft - 0.35 deg Inc, 0 deg Az; 4528ft - 0.26 deg Inc, 0 deg Az; 4623ft - 0.26 deg Inc, 0 deg Az;

Daily Costs ($): 57,601 **Well Costs ($):** 2,864,370

Drilling Days: 36 **Completion Days:** 0 **Workover Days:** 0

12-Feb-09

Current Depth (ft): 4,843 **Hole Drilled (ft):** 216 **Ave ROP:** 9.0

Current Ops: Drilled from 4843' to 4900'.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 4627' to 4843'. (24 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 4627' to 4843'.

Mud Data: MW: 9.8 Viscosity: 46 Filtrate: 6.7

Surveys: 4718ft - 0.09 deg Inc, 0 deg Az; 4843ft - 0.35 deg Inc, 0 deg Az;

Daily Costs ($): 60,272 **Well Costs ($):** 2,924,642

Drilling Days: 37 **Completion Days:** 0 **Workover Days:** 0

13-Feb-09

Current Depth (ft): 4,909 **Hole Drilled (ft):** 66 **Ave ROP:** 7.8

Current Ops: Reamed from 4454' to 4909'.Drilled from 4909' to 4935'.

Operation Summary:

Drilled 17 1/2" hole with VertiTrak from 4843' to 4909'.Pump pressure increased 150 psi and rop decreased. (8.5 hrs)

Tripped out of hole to check bit.Tight hole from 4636' to 4424'.Removed bit. (7.5 hrs)

Made up bit and tripped in hole to 4320'. (6 hrs)

Reamed from 4320' to 4355'. (1 hrs)

Tripped in hole from 4355' to 4454'. (1 hrs)

Comments: Drilled 17 1/2" hole with VertiTrak from 4843' to 4909'.Pump pressure increased 150 psi and rop decreased.Tripped out of hole to check bit.Tight hole from 4636' to 4424'.Removed bit.Made up bit and tripped in hole to 4320'.Reamed from 4320' to 4355'.Tripped in hole from 4355' to 4454'.

Mud Data: MW: 9.8 Viscosity: 42 Filtrate: 7.2

Surveys: 4876ft - 0.18 deg Inc, 0 deg Az;

Daily Costs ($): 63,777 **Well Costs ($):** 2,988,419

Drilling Days: 38 **Completion Days:** 0 **Workover Days:** 0

14-Feb-09

Current Depth (ft): 5,037 **Hole Drilled (ft):** 128 **Ave ROP:** 7.5

Current Ops: Tripped out of hole,strapped out.Laid down VertiTrak.

Operation Summary:

Reamed from 4454' to 4909'. (3 hrs)

Drilled 17 1/2" hole with VertiTrak from 4909' to 5037'. (17 hrs)

Ciculated bottoms up. (1 hrs)

Tripped out of hole,strapped out. (3 hrs)

Comments: Reamed from 4454' to 4909'.Drilled 17 1/2" hole with VertiTrak from 4909' to 5037'.Ciculated bottoms up.Tripped out of hole,strapped out.

Mud Data: MW: 9.8 Viscosity: 45 Filtrate: 6.8

Surveys: 4971ft - 0.26 deg Inc, 0 deg Az;

Daily Costs ($): 70,084 **Well Costs ($):** 3,058,503

Drilling Days: 39 **Completion Days:** 0 **Workover Days:** 0

15-Feb-09

Current Depth (ft): 5,037 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Wiped hole to 1500'.Tripped in hole to 5037' Circulated and conditioned mud.Tripped out of hole.

Operation Summary:

Tripped out of hole,laid down VertiTrak. (7 hrs)

Made up bha and tripped in hole,tight hole @3998'. (6 hrs)

Reamed from 3998' to 4091'. (1 hrs)

Tripped in hole ,tight hole @ 4408'. (0.5 hrs)

Reamed from 4408' to 5037'. (8.5 hrs)

Circulated.and conditioned mud. (1 hrs)

Comments: Tripped out of hole,laid down VertiTrak.Made up bha and tripped in hole,tight hole @3998'.Reamed from 3998' to 4091'.Tripped in hole ,tight hole @ 4408'.Reamed from 4408' to 5037'.Circulated.and conditioned mud.

Mud Data: MW: 9.5 Viscosity: 43 Filtrate: 7.1

Surveys: None

Daily Costs ($): 59,046 **Well Costs ($):** 3,117,549

Drilling Days: 40 **Completion Days:** 0 **Workover Days:** 0

16-Feb-09

Current Depth (ft): 5,037 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Coninued to run casing circulated @ 2700' and 3700'.

Operation Summary:

Wiped hole to 1500'.Tripped in hole to 5037'. (3.5 hrs)

Circulated and conditioned mud. (1 hrs)

Tripped out of hole,laid down bit and stabalizer. (6 hrs)

Cleared floor,removed tongs,picked up centralizers and casing tools. (1 hrs)

Rigged up Team casing and held safety meeting. (3.5 hrs)

Ran 13 3/8" casing,circulated @ 700',1700'. (9 hrs)

Comments: Wiped hole to 1500'.Tripped in hole to 5037'.Circulated and conditioned mud.Tripped out of hole,laid down bit and stabalizer.Cleared floor,removed tongs,picked up centralizers and casing tools.Rigged up Team casing and held safety meeting.Ran 13 3/8" casing,circulated @ 700',1700'.

Mud Data: MW: 9.6 Viscosity: 44 Filtrate: 6.7

Surveys: None

Daily Costs ($): 49,602 **Well Costs ($):** 3,167,151

Drilling Days: 41 **Completion Days:** 0 **Workover Days:** 0

17-Feb-09

Current Depth (ft): 5,037 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Preparing BOP stack for removal while waiting on cement to harden.

Operation Summary:

Continue to run 13 3/8" casing . Shoe at 5005'. (12 hrs)

Circulated casing conventionally at 5005', reverse circulated casing for 2 hrs, losing aprox 50 bph of mud.Mud temp out 120 deg. Rigged down Team casing equipment crew. Moved in and rigged up Howco. Taiboard all crews. (6 hrs)

Cemented 13 3/8 casing using the reverse circulation method. Pumped cement job as follows, 100

bbls H2O, 30 bbls of mud flush, 293 bbls 15 # Therma Cem Tail cement, 438 bbls 13.5 # Tuned Lite Tail cement. Had full returns thru entire job. Waited 1 1/2 hrs after cement was pumped, topped annulus off with 8bbls of cement. Cement in place at 22:00 hrs. (5 hrs)

Rigged down Howco cementing equipment. (1 hrs)

Comments: Continue to run 13 3/8" casing . Shoe at 5005'. Circulated casing conventionally at 5005', reverse circulated casing for 2 hrs, losing aprox 50 bph of mud.Mud temp out 120 deg. Rigged down Team casing equipment crew. Moved in and rigged up Howco. Taiboard all crews.Cemented 13 3/8 casing using the reverse circulation method. Pumped cement job as follows, 100 bbls H2O, 30 bbls of mud flush, 293 bbls 15 # Therma Cem Tail cement, 438 bbls 13.5 # Tuned Light Tail cement. Had full returns thru entire job. Waited 1 1/2 hrs after cement was pumped, topped annulus off with 8bbls of cement. Cement in place at 22:00 hrs.Rigged down Howco cementing equipment.

Mud Data: MW: 9.6 Viscosity: 43 Filtrate: 6.9

Surveys: None

Daily Costs ($):	643,094	**Well Costs ($):**	3,810,245			
Drilling Days:	42	**Completion Days:**	0	**Workover Days:**	0	

18-Feb-09

Current Depth (ft):	5,037	**Hole Drilled (ft):**		**Ave ROP:**		

Current Ops: Began to installed 13 5/8" BOP.

Operation Summary:

Prepared to remove 20" BOP while waiting on cement. (10 hrs)

Released casing. Rough cut 13 3/8" . Removed 20" BOP. (6 hrs)

Final cut 13 3/8" casing. Installed and welded 13 3/8" casing flange following Calpine procedures.Cooled and pressure tested casing flange. Tested good. (6 hrs)

Installed iconel clad mud cross and 12" mastervalve using iconel API rings.Tested mastervalve, 3" wing valves and casing to 500 psi. Test good. (2 hrs)

Comments: Prepared to remove 20" BOP while waiting on cement.Released casing. Rough cut 13 3/8" . Removed 20" BOP.Final cut 13 3/8" casing. Installed and welded 13 3/8" casing flange following Calpine procedures.Cooled and pressure tested casing flange. Tested good. Installed iconel clad mud cross and 12" mastervalve using iconel API rings.Tested master valve, 3" wing valves and casing to 500 psi. Test good.

Mud Data: MW: 9.4 Viscosity: 37 Filtrate: 7.1

Surveys: None

Daily Costs ($):	-40,253	**Well Costs ($):**	3,769,992			
Drilling Days:	43	**Completion Days:**	0	**Workover Days:**	0	

19-Feb-09

Current Depth (ft):	5,037	**Hole Drilled (ft):**		**Ave ROP:**		

Current Ops: Magna flux check BHA.

Operation Summary:

Installed and tighten 13 5/8" BOP. Installed accumalator lines. Function tested BOP. (20 hrs)

Tested blind rams and BOP stack to 500 psi. Tested good 15 min. BOP test and inspection waived by DOGG rep Ali Khan. (1 hrs)

Center BOP with rotary table. Installed rotatting head bearing body. Installed rig floor plates. (1 hrs)

Magna flux check BHA. (2 hrs)

Comments: Installed and tighten 13 5/8" BOP. Installed accumalator lines. Function tested BOP. Tested blind rams and BOP stack to 500 psi. Tested good 15 min.BOP test and inspection waived by DOGG rep Ali Khan.Center BOP with rotary table. Installed rotatting head bearing body. Installed rig floor plates.Magna flux check BHA.

Mud Data: MW: 9.4 Viscosity: 36 Filtrate: 7.9

Surveys: None

Daily Costs ($):	79,727	**Well Costs ($):**	3,849,719			
Drilling Days:	44	**Completion Days:**	0	**Workover Days:**	0	

20-Feb-09

Current Depth (ft):	5,037	**Hole Drilled (ft):**		**Ave ROP:**		

Current Ops: Continued to clean out cement to 5036'. Circ hole clean. Rigged up lay down machine. Began to lay down 5" drill pipe.

Operation Summary:

Continued to magna flux check BHA. Found no cracks. (8 hrs)

Made up 12 1/4" mill tooth bit. Ran in the hole to 4128'. Tested 5" pipe rams to 500 psi. (4 hrs)

Cleaned out contanimated mud from 4128' to 4400'. Cleaned out hard cement from 4400' to 4950'. (12 hrs)

Comments: Continued to magna flux check BHA. Found no cracks.Made up 12 1/4" mill tooth bit. Tested 5" pipe rams to 500 psi.Ran in the hole to 4128'.Cleaned out contanimated mud from 4128' to 4400'. Cleaned out hard cement from 4400' to 4950'.

Mud Data: MW: 9.2 Viscosity: 39 Filtrate: 16

Surveys: None

Daily Costs ($):	48,139	**Well Costs ($):**	3,897,858		
Drilling Days:	45	**Completion Days:**	0	**Workover Days:**	0

21-Feb-09

Current Depth (ft):	5,037	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: Continue to pick up 4 1/2" drill pipe to 4600' at 6:00 am.

Operation Summary:

Contined to clean out cement from 4950 to 5037'. (1 hrs)

Circulated hole clean. (1 hrs)

Tailboard. Rigged up lay down machine. Laid down all Kenai 5" drill pipe. (7 hrs)

Stood back BHA in the derrick. (2 hrs)

Replaced 5" pipe & steel rams with 4 1/2" pipe and steel rams. (3 hrs)

Picked up Baker Tru Trak BHA. Tested same at 476'. (7 hrs)

Tailboard. Rigged up pick up machine and began to pick up Calpine 4 1/2" drill pipe. (3 hrs)

Comments: Contined to clean out cement from 4950 to 5037'.Circulated hole clean.Tailboard. Rigged up lay down machine. Laid down all Kenai 5" drill pipe.Stood back BHA in the derrick.Replaced 5" pipe & steel rams with 4 1/2" pipe and steel rams.Picked up Baker Tru Trak BHA. Tested same at 476'.Tailboard. Rigged up pick up machine and began to pick up Calpine 4 1/2" drill pipe.

Mud Data: MW: 9.2 Viscosity: 38 Filtrate: 16

Surveys: None

Daily Costs ($):	49,445	**Well Costs ($):**	3,947,303		
Drilling Days:	46	**Completion Days:**	0	**Workover Days:**	0

22-Feb-09

Current Depth (ft):	5,230	**Hole Drilled (ft):**	193	**Ave ROP:**	8.0

Current Ops: Drilling ahead at 5300'.

Operation Summary:

Continued to pick up 4 1/2" drill pipe to 5037'. (7 hrs)

Drilled 12 1/4" hole with the Tru Trak BHA from 5037' to 5230'. (17 hrs)

Comments: Continued to pick up 4 1/2" drill pipe to 5037'.Drilled 12 1/4" hole with the Tru Trak BHA.

Mud Data: MW: 9.1 Viscosity: 43 Filtrate: 6.1

Surveys: 5078ft - 0.18 deg Inc, 0 deg Az; 5174ft - 0.18 deg Inc, 0 deg Az; 5269ft - 0.09 deg Inc, 0 deg Az;

Daily Costs ($):	151,976	**Well Costs ($):**	4,099,279		
Drilling Days:	47	**Completion Days:**	0	**Workover Days:**	0

23-Feb-09

Current Depth (ft):	5,515	**Hole Drilled (ft):**	285	**Ave ROP:**	11.9

Current Ops: Drilling ahead at 5590'.

Operation Summary:

Drilled 12 1/4" hole with the Tru Trak BHA from 5230' to 5515', no mud loss. (24 hrs)

Comments: Drilled 12 1/4" hole with the Tru Trak BHA from 5230' to 5515', no mud loss.
Mud Data: MW: 9.2 Viscosity: 43 Filtrate: 6.5
Surveys: None
Daily Costs ($): 64,245 **Well Costs ($):** 4,163,524
Drilling Days: 48 **Completion Days:** 0 **Workover Days:** 0

24-Feb-09

Current Depth (ft): 5,784 **Hole Drilled (ft):** 269 **Ave ROP:** 11.7
Current Ops: Drilled from 5784' to 5847'.
Operation Summary:
Drilled 12 1/4" with TrueTrak from 5515' to 5668'. (12 hrs)
Changed head in #1 mud pump. (1 hrs)
Drilled from 5668' to 5784'. (11 hrs)
Comments: Drilled 12 1/4" with TrueTrak from 5515' to 5668'.Changed head in #1 mud pump.Drilled from 5668' to 5784'.
Mud Data: MW: 9.2 Viscosity: 48 Filtrate: 6.8
Surveys: 5364ft - 0.35 deg Inc, 0 deg Az; 5458ft - 0.09 deg Inc, 0 deg Az; 5553ft - 0.18 deg Inc, 0 deg Az; 5648ft - 0.18 deg Inc, 0 deg Az; 5743ft - 0.09 deg Inc, 0 deg Az;
Daily Costs ($): 89,279 **Well Costs ($):** 4,252,803
Drilling Days: 49 **Completion Days:** 0 **Workover Days:** 0

25-Feb-09

Current Depth (ft): 6,042 **Hole Drilled (ft):** 258 **Ave ROP:** 10.8
Current Ops: Drilled from 6042' to 6103'.
Operation Summary:
Drilled 12 1/4" hole with True Trak from 5784' to 6042'. (24 hrs)
Comments: Drilled 12 1/4" hole with True Trak from 5784' to 6042'.
Mud Data: MW: 9.1 Viscosity: 48 Filtrate: 6.8
Surveys: 5838ft - 0.18 deg Inc, 0 deg Az; 5933ft - 0.26 deg Inc, 0 deg Az; 6028ft - 0.18 deg Inc, 0 deg Az;
Daily Costs ($): 60,366 **Well Costs ($):** 4,313,169
Drilling Days: 50 **Completion Days:** 0 **Workover Days:** 0

26-Feb-09

Current Depth (ft): 6,122 **Hole Drilled (ft):** 80 **Ave ROP:** 10.0
Current Ops: Picked up monel to and set back True Trak in derrick.Made up bha and tripped in hole.
Operation Summary:
Drilled 12 1/4" hole with True Trak from 6042' to 6122'. (8 hrs)
Circulated bottoms up. (1 hrs)
Tripped out of hole pipe pulled tight @ 5636'.Pumped and rotated out of hole due to falling Argillite from 5636' to 5009' .Hole packed off @ 5009'.Worked pipe thru pack off.Circulated hole clean at 5000' inside casing. (7 hrs)
Tripped out of hole,removed bit. (7 hrs)
Broke out filter sub,float sub,and stop sub. (1 hrs)
Comments: Drilled 12 1/4" hole with True Trak from 6042' to 6122'.Circulated bottoms up.Tripped out of hole pipe pulled tight @ 5636'.Pumped and rotated out of hole due to falling Argillite from 5636' to 5009' .Hole packed off @ 5009'.Worked pipe thru pack off.Circulated hole clean at 5000' inside casing.Tripped out of hole,removed bit.Broke out filter sub,float sub,and stop sub.
Mud Data: MW: 9.2 Viscosity: 55 Filtrate: 6.8
Surveys: 6092ft - 0.09 deg Inc, 0 deg Az;
Daily Costs ($): 77,649 **Well Costs ($):** 4,390,818
Drilling Days: 51 **Completion Days:** 0 **Workover Days:** 0

Well Summary Report

Calpine

Well ID: Aidlin # 12 | Well Name: Aidlin # 12

Field: Geysers | Sect: 32 Town: 12 N Rng: 9 W County: Sonoma State: CA

27-Feb-09

Current Depth (ft): 6,122 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Cleaned out fill from 5911' to 6122'.Circulated bottoms up.Attempted to trip out of hole,hole packed off.Circulated and pumped out of hole.

Operation Summary:

Made up monel,checked and made up filter and float subs,scribed and stood back mud motor. (2.5 hrs)

Made up clean out bha and tripped in hole to 4900'. (6 hrs)

Cut and slipped drill line 68'. (2 hrs)

Raised mud weight from 9.1ppg to 9.6 ppg.changed out pump liners. (5.5 hrs)

Tripped in hole to 5270',singled in hole tagged fill @ 5491'. (3 hrs)

Cleaned out fill from 5491' to 5911'. (5 hrs)

Comments: Made up monel,checked and made up filter and float subs,scribed and stood back mud motor.Made up clean out bha and tripped in hole to 4900'.Cut and slipped drill line 68'.Raised mud weight from 9.1ppg to 9.6 ppg.changed out pump liners.Tripped in hole to 5270',singled in hole tagged fill @ 5491'Cleaned out fill from 5491' to 5911'.

Mud Data: MW: 9.5 Viscosity: 48 Filtrate: 6.8

Surveys: None

Daily Costs ($): 53,778 **Well Costs ($):** 4,444,596

Drilling Days: 52 **Completion Days:** 0 **Workover Days:** 0

28-Feb-09

Current Depth (ft): 6,122 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Pumped out of hole to 5800',tripped out with stands to 5009'.Circulated.Tripped in hole,tagged fill @ 6078'.

Operation Summary:

Clean out Argillite fill from 5911' to 6122'. (3.5 hrs)

Circulated bottoms up,built mud weight to 9.6 ppg. (1.5 hrs)

Turned off pumps attempted to trip out of hole,hole packed off,circulated. (1 hrs)

Pumped out of hole to 5390'. (3.5 hrs)

Circulated bottoms up. (1 hrs)

Tripped out of hole to 5009'. (0.5 hrs)

Tripped in hole,tagged fill @ 5998'. (2 hrs)

Cleaned out Argillite fill from 5998' to 6122'. (1 hrs)

Circulated and built mud weight to 10 ppg. (5 hrs)

Pumped out of hole to 5839',tripped in hole to 6122'. (2 hrs)

Circulated and built gel strength to 60 viscocity. (2.5 hrs)

Pumped out of hole. (0.5 hrs)

Comments: Clean out Argillite fill from 5911' to 6122'. Circulated bottoms up,built mud weight to 9.6 ppg.Turned off pumps attempted to trip out of hole,hole packed off,circulated.Pumped out of hole to 5390'.Circulated bottoms up.Tripped out of hole to 5009'.Tripped in hole,tagged fill @ 5998'.Cleaned out Argillite fill from 5998' to 6122'.Circulated and built mud weight to 10 ppg.Pumped out of hole to 5839',tripped in hole to 6122'.Circulated and built gel strength to 60 viscocity.Pumped out of hole.

Mud Data: MW: 10 Viscosity: 46 Filtrate: 6.7

Surveys: None

Daily Costs ($): 64,487 **Well Costs ($):** 4,509,083

Drilling Days: 53 **Completion Days:** 0 **Workover Days:** 0

01-Mar-09

Current Depth (ft): 6,122 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Tripped out of hole,removed bit.Made up TrueTrak assembly and new bit,tripped in hole.

Operation Summary:

Pumped out of hole to 5870',tripped out to 5009'. (1.5 hrs)

Circulated @ 5009'. (4 hrs)

Tripped in hole,tagged fill @ 6078',cleaned out fill to 6122'. (1.5 hrs)
Circulated bottoms up @ 6122'. (1.5 hrs)
Pumped out of hole to 5870',tripped out to 5009'. (2 hrs)
Circulated @ 5009'. (2.5 hrs)
Tripped in hole,tagged @ 6092',washed out to 6122'. (1.5 hrs)
Circulated bottoms up @ 6122'. (1.5 hrs)
Pumped out of hole to 5870',tripped out to 5009'.Tripped in hole to 6095',washed to 6122'. (2 hrs)
Circulated bottoms up @ 6122'. (1 hrs)
Pumped out of hole to 5870',Tripped out of hole for TrueTrak assembly.. (5 hrs)

Comments: Pumped out of hole to 5870',tripped out to 5009'.Circulated @ 5009'.Tripped in hole,tagged fill @ 6078',cleaned out fill to 6122'.Circulated bottoms up @ 6122'.Pumped out of hole to 5870',tripped out to 5009'.Circulated @ 5009'.Tripped in hole,tagged @ 6092',washed out to 6122'.Circulated bottoms up @ 6122'.Pumped out of hole to 5870',tripped out to 5009'.Tripped in hole to 6095',washed to 6122'.Circulated bottoms up @ 6122'.Pumped out of hole to 5870',Tripped out of hole for TrueTrak assembly.

Mud Data: MW: 10.1 Viscosity: 65 Filtrate: 6.5

Surveys: None

Daily Costs ($):	52,844	**Well Costs ($):**	4,561,928		
Drilling Days:	54	**Completion Days:**	0	**Workover Days:**	0

02-Mar-09

Current Depth (ft):	6,189	**Hole Drilled (ft):**	67	**Ave ROP:**	9.6

Current Ops: Drilled from 6189' to 6239'.

Operation Summary:

Tripped out of hole with clean out assembly. (2 hrs)
Made up bit and TrueTrak assembly,tripped in hole to 5005'. (7 hrs)
Changed out Pump #2 liners from 6' to 5 1/2". (3 hrs)
Tripped in hole,tagged @ 5585'. (0.5 hrs)
Washed and reamed from 5585' to 5838'. (2.5 hrs)
Singled in hole to 6032',reamed from 6032' to 6122'. (2 hrs)
Drilled 12 1/4" hole with TrueTrak from 6122' to 6189'. (7 hrs)

Comments: Tripped out of hole with clean out assembly.Made up bit and TrueTrak assembly,tripped in hole to 5005'.Changed out Pump # 2 liners from 6' to 5 1/2".Tripped in hole,tagged @ 5585'.Washed and reamed from 5585' to 5838'.Singled in hole to 6032',reamed from 6032' to 6122'.Drilled 12 1/4" hole with TrueTrak from 6122' to 6189'.

Mud Data: MW: 10.2 Viscosity: 68 Filtrate: 6.3

Surveys: 6163ft - 0.07 deg Inc, 0 deg Az;

Daily Costs ($):	132,787	**Well Costs ($):**	4,694,715		
Drilling Days:	55	**Completion Days:**	0	**Workover Days:**	0

03-Mar-09

Current Depth (ft):	6,351	**Hole Drilled (ft):**	162	**Ave ROP:**	8.1

Current Ops: Drilled 12 1/4" hole with TrueTrak from 6351' to 6387' at 6:00 am.

Operation Summary:

Drilled 12 1/4" hole with TrueTrak from 6189' to 6313'. (15 hrs)
Circulated bottoms up. (1 hrs)
Pulled out of the hole to the shoe. Hole was not tight. (1 hrs)
Serviced rig. (0.5 hrs)
Ran in the hole , no tight spots. (1 hrs)
Circulated and oriented True Trak, cleaned out 5' of fill. (0.5 hrs)
Drilled 12 1/4" hole with TrueTrak from 6313' to 6351'. (5 hrs)

Comments: Drilled 12 1/4" hole with TrueTrak from 6189' to 6313'.Circulated bottoms up.Pulled out of the hole to the shoe. Hole was not tight.Serviced rig.Ran in the hole , no tight spots.Circulated and oriented True Trak, cleaned out 5' of fill.Drilled 12 1/4" hole with

TrueTrak from 6313' to 6351'.

Mud Data: MW: 10.1 Viscosity: 72 Filtrate: 5.6

Surveys: 6258ft - 0.26 deg Inc, 0 deg Az;

Daily Costs ($): 79,898 **Well Costs ($):** 4,774,612

Drilling Days: 56 **Completion Days:** 0 **Workover Days:** 0

04-Mar-09

Current Depth (ft): 6,473 **Hole Drilled (ft):** 122 **Ave ROP:** 5.7

Current Ops: Drilled 12 1/4" hole with TrueTrak from 6473' to 6515' at 6:00 am.

Operation Summary:

Drilled 12 1/4" hole with TrueTrak from 6351' to 6471', began to build hole angle and steer hole to target at 6409' (21 hrs)

Circulated bottoms up. (1 hrs)

Pulled out of the hole to the shoe, hole up drag increased from 5800' to 5500'. Ran back in the hole, had no fill. (1.5 hrs)

Drilled 12 1/4" hole with TrueTrak from 6471' to 6473'. (0.5 hrs)

Comments: Drilled 12 1/4" hole with TrueTrak from 6351' to 6471' began to build hole angle and steer hole to target at 6409'.Circulated bottoms up.Pulled out of the hole to the shoe, hole up drag increased from 5800' to 5500'. Ran back in the hole, had no fill. Drilled 12 1/4" hole with TrueTrak from 6471' to 6473'.

Mud Data: MW: 10.2 Viscosity: 64 Filtrate: 5.5

Surveys: 6353ft - 0.25 deg Inc, 226 deg Az; 6448ft - 0.74 deg Inc, 10.6 deg Az;

Daily Costs ($): 72,637 **Well Costs ($):** 4,847,249

Drilling Days: 57 **Completion Days:** 0 **Workover Days:** 0

05-Mar-09

Current Depth (ft): 6,652 **Hole Drilled (ft):** 179 **Ave ROP:** 7.5

Current Ops: Drilled 12 1/4" hole with TrueTrak from 6652' to 6693' at 6:00 am.

Operation Summary:

Drilled 12 1/4" hole with TrueTrak from 6473' to 6652'. (24 hrs)

Comments: Drilled 12 1/4" hole with TrueTrak from 6473' to 6652'.

Mud Data: MW: 10 Viscosity: 58 Filtrate: 5.6

Surveys: 6511ft - 1.93 deg Inc, 13.3 deg Az; 6575ft - 3.2 deg Inc, 18.3 deg Az;

Daily Costs ($): 65,127 **Well Costs ($):** 4,912,376

Drilling Days: 58 **Completion Days:** 0 **Workover Days:** 0

06-Mar-09

Current Depth (ft): 6,803 **Hole Drilled (ft):** 151 **Ave ROP:** 7.4

Current Ops: Drilled 12 1/4" hole with TrueTrak from 6803' to 6845' at 6:00 am.

Operation Summary:

Drilled 12 1/4" hole with TrueTrak from 6652' to 6693'. (5.5 hrs)

Circulated bottoms up. (1 hrs)

Pulled out of the hole to the shoe, hole up drag increased from 5800' to 5500'. Ran back in the hole, had no fill. (2.5 hrs)

Drilled 12 1/4" hole with TrueTrak from 6693' to 6803'. (15 hrs)

Comments: Drilled 12 1/4" hole with TrueTrak from 6652' to 6693'.Circulated bottoms up.Pulled out of the hole to the shoe, hole up drag increased from 5800' to 5500'. Ran back in the hole, had no fill. Drilled 12 1/4" hole with TrueTrak from 6693' to 6803'.

Mud Data: MW: 9.8 Viscosity: 60 Filtrate: 5.2

Surveys: 6638ft - 4.4 deg Inc, 19.6 deg Az; 6701ft - 5.01 deg Inc, 17.3 deg Az; 6765ft - 6.24 deg Inc, 16.9 deg Az;

Daily Costs ($): 103,429 **Well Costs ($):** 5,015,805

Drilling Days: 59 **Completion Days:** 0 **Workover Days:** 0

07-Mar-09

Current Depth (ft): 6,975 **Hole Drilled (ft):** 172 **Ave ROP:** 7.2

Current Ops: Drilled 12 1/4" hole with TrueTrak from 6803' to 7005' at 6:00 am.

Operation Summary:

Drilled 12 1/4" hole with TrueTrak from 6803' to 6975'. Changed out liner and head in mud pump # 2. (24 hrs)

Comments: Drilled 12 1/4" hole with TrueTrak from 6803' to 6975'. Changed out liner and head in mud pump # 2.

Mud Data: MW: 9.7 Viscosity: 64 Filtrate: 5.5

Surveys: 6828ft - 7.35 deg Inc, 19.6 deg Az; 6891ft - 8.08 deg Inc, 21.6 deg Az;

Daily Costs ($): 66,438 **Well Costs ($):** 5,082,243

Drilling Days: 60 **Completion Days:** 0 **Workover Days:** 0

08-Mar-09

Current Depth (ft): 7,010 **Hole Drilled (ft):** 35 **Ave ROP:** 5.4

Current Ops: Finished running in the hole cooling off and testing Tru Trak at 5009'. Ran in the hole to 7010', oriented Tru Trak. Drilled 12 1/4" hole to 7015' at 6:00 am.

Operation Summary:

Drilled 12 1/4" hole with TrueTrak from 6975' to 7010'. (6.5 hrs)

Circulated bottoms up. (1.5 hrs)

Pulled out of the hole. Laid down Tru Trak and bit # 10. Made up new Tru Trak and bit # 11. Cleaned Tru Trak filter.Installed new 4 1/2" rbop. Ran BHA back in the hole , tested Tru Trak (13 hrs)

Slipped and cut drilling line. (2 hrs)

Ran in the hole to 2442'. (1 hrs)

Comments: Drilled 12 1/4" hole with TrueTrak from 6975' to 7010'.Circulated bottoms up.Pulled out of the hole. Laid down Tru Trak and bit # 10. Made up new Tru Trak and bit # 11. Cleaned Tru Trak filter.Installed new 4 1/2" rbop. Ran BHA back in the hole, tested Tru Trak.Slipped and cut drilling line.Ran in the hole to 2442'.

Mud Data: MW: 9.7 Viscosity: 73 Filtrate: 5.4

Surveys: 6955ft - 9.32 deg Inc, 21 deg Az;

Daily Costs ($): 112,875 **Well Costs ($):** 5,195,117

Drilling Days: 61 **Completion Days:** 0 **Workover Days:** 0

09-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** 179 **Ave ROP:** 10.8

Current Ops: Pulled out of the hole with Tru Trak.

Operation Summary:

Continue to run in the hole with Tru Trak to 7010'. Cooled Tru Trak at the shoe. (5 hrs)

Drilled 12 1/4" hole with TrueTrak from 7010' to 7189'. Began to lose 15/20 bph of mud at 7080', then 100 bph at 7180'. (16.5 hrs)

Began to single out of the hole, hole began to pack off at 7180' , pulling tight, losing mud. Singled out to 6970'. Pulled out of the hole with stands from 6970'. Tight hole again from 5750 to 5550'. (2.5 hrs)

Comments: Continue to run in the hole with Tru Trak to 7010'. Cooled Tru Trak at the shoe.Drilled 12 1/4" hole with TrueTrak from 7010' to 7189'. Began to lose 15/20 bph of mud at 7080', then 100 bph at 7180'. Began to single out of the hole, hole began to pack off at 7180', pulling tight, losing mud. Singled out to 6970'. Pulled out of the hole with stands from 6970'. Tight hole again from 5750 to 5550'.

Mud Data: MW: 9.8 Viscosity: 72 Filtrate: 4.9

Surveys: 7018ft - 10.32 deg Inc, 22.69 deg Az; 7081ft - 11.28 deg Inc, 20.49 deg Az; 7113ft - 11.72 deg Inc, 20.7 deg Az;

Daily Costs ($): 72,822 **Well Costs ($):** 5,267,940

Drilling Days: 62 **Completion Days:** 0 **Workover Days:** 0

10-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Made up bha,moved jars,Laid down 6 joints drill pipe.

Operation Summary:

Tripped out of hole with TrueTrak. (8 hrs)
Built sawtooth sub with welder. (2 hrs)
Tripped in hole with sawtooth,picked up drill pipe to 7160'. (5 hrs)
Rigged up Haliburton.Set cement plug #3 265 linear feet cip:15:30. (1 hrs)
Tripped out of hole to 6397',pipe plugged ,rigged up Haliburton.Cleared pipe with 4500 psi. (1.5 hrs)
Installed pipe wiper,pumped pipe wiper and circulated with no losses. (1.5 hrs)
Tripped out of hole with sawtooth. (4 hrs)
Made up TrueTrak and checked filter sub. (1 hrs)

Comments: Tripped out of hole with TrueTrak.Built sawtooth sub with welder.Tripped in hole with sawtooth,picked up drill pipe to 7160'.Rigged up Haliburton.Set cement plug #3 265 linear feet cip:15:30.Tripped out of hole to 6397',pipe plugged ,rigged up Haliburton.Cleared pipe with 4500 psi.Installed pipe wiper,pumped pipe wiper and circulated with no losses.Tripped out of hole with sawtooth.Made up TrueTrak and checked filter sub.

Mud Data: MW: 9.6 Viscosity: 57 Filtrate: 5.4

Surveys: None

Daily Costs ($):	117,229	**Well Costs ($):**	5,385,169		
Drilling Days:	63	**Completion Days:**	0	**Workover Days:**	0

11-Mar-09

Current Depth (ft):	7,189	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: Worked stuck pipe @6919'.Waited on Tiger Wireline and Baker fishing tools.

Operation Summary:

Made up bha,moved jars. (7 hrs)
Tripped in hole,pipe took wieght @ 5550'. (3.5 hrs)
Reamed from 5550' to 5600'. (0.5 hrs)
Tripped in hole,tagged stringer @ 6336'. (0.5 hrs)
Circulated out thick mud,cleaned out stringers from 6336' to 6408'. (2 hrs)
Tripped in hole,pipe took weight @ 6934'. (0.5 hrs)
Made up kelly,pipe stuck and packed off @ 6934'.Worked pipe up to 6919'. (10 hrs)

Comments: Made up bha,moved jars.Tripped in hole,pipe took wieght @ 5550'.Reamed from 5550' to 5600'.Tripped in hole,tagged stringer @ 6336'.Circulated out thick mud,cleaned out stringers from 6336' to 6408'.Tripped in hole,pipe took weight @ 6934'.Made up kelly,pipe stuck and packed off @ 6934'.Worked pipe up to 6919'.

Mud Data: MW: 9.5 Viscosity: 75 Filtrate: 7.4

Surveys: None

Daily Costs ($):	63,768	**Well Costs ($):**	5,448,937		
Drilling Days:	64	**Completion Days:**	0	**Workover Days:**	0

12-Mar-09

Current Depth (ft):	7,189	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: Made up and ran backoff shot #2.Shot failed Pulled out shot tool.Waited on Tiger Wireline.Jarred and worked stuck pipe.

Operation Summary:

Jarred and worked stuck pipe @ 6919'. (10 hrs)
Removed kelly and Baker mud screen. (2 hrs)
Waited on Tiger Wireline. (1 hrs)
Rigged up Tiger Wireline.Ran gage and temp to top of float sub @ 6841',Ran freepoint ,cement in drill pipe @ 5300' to 5400' causing spring failure in freepoint tool .Reran freepoint.Collars free @ 6710'.Bit,TrueTrak,adapter sub,mwd,filter sub,float sub,shock sub,3-9" drill collars,cross over,and 1-8" drill collar would be left in hole. (7 hrs)
Ran backoff shot #1 to 6710',attempted to shoot off drill collar,shot failed.Pulled out shot tool. (3 hrs)
Made up backoff shot #2. (1 hrs)

Comments: Jarred and worked stuck pipe @ 6919'.Removed kelly and Baker mud screen.Waited on Tiger Wireline.Rigged up Tiger Wireline.Ran gage and temp to top of float sub @ 6841',Ran freepoint ,cement in drill pipe @ 5300' to 5400' causing spring failure in freepoint tool .Reran freepoint.Collars free @ 6710'.Bit,TrueTrak,adapter sub,mwd,filter sub,float sub,shock sub,3-9" drill collars,cross over,and 1-8" drill collar would be left in hole.Ran backoff shot #1 to 6710',attempted to shoot off drill collar,shot failed.Pulled out shot tool.Made up backoff shot #2.

Mud Data: MW: 9.4 Viscosity: 105 Filtrate: 7.8

Surveys: None

Daily Costs ($):	61,373	**Well Costs ($):**	5,510,310		
Drilling Days:	65	**Completion Days:**	0	**Workover Days:**	0

13-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Tripped out bha.Laid down 1- 8" drill collar.Left in hole bit,True Trak,adapter sub,mwd,filter sub,float sub,shock sub,3-9" drill collars,cross over,and 1-8" drill collar. Made up bha,tripped in hole to 5000'.Slipped and cut drill line.

Operation Summary:

Ran backoff shot #2 @ 6710',shot failed.Pulled out shot. (3 hrs)

Worked and jarred stuck pipe. (6 hrs)

Ran freepoint tagged primacord left in pipe @ 6679'.pushed down hole to 6706'.Pulled out freepoint.Ran sinker bars and chisel,pushed primacord to 6833'.pulled out of hole. (3 hrs)

Ran backoff shot #3 @ 6710' successful.pulled out shot. (3 hrs)

Circulated bottoms up @ 6710'. (1.5 hrs)

Tripped out of hole checking connections.Laid down 10 joints drill pipe with galled threads. (7.5 hrs)

Comments: Ran backoff shot #2 @ 6710',shot failed.Pulled out shot.Worked and jarred stuck pipe.Ran freepoint tagged primacord left in pipe @ 6679'.pushed down hole to 6706'.Pulled out freepoint.Ran sinker bars and chisel,pushed primacord to 6833'.pulled out of hole.Ran backoff shot #3 @ 6710' successful.pulled out shot.Circulated bottoms up @ 6710'.Tripped out of hole checking connections.Laid down 10 joints drill pipe with galled threads.

Mud Data: MW: 9.5 Viscosity: 84 Filtrate: 10.5

Surveys: None

Daily Costs ($):	55,014	**Well Costs ($):**	5,565,324		
Drilling Days:	66	**Completion Days:**	0	**Workover Days:**	0

14-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: 0-6 A.M.Tripped in hole, tight hole @ 5562'.Broke circulation.

Operation Summary:

Pulled out bha checking connections. (2 hrs)

Made up screw in bha and tripped in hole to 6706'. (7 hrs)

Circulated bottoms up. (1.5 hrs)

Jarred on fish @ 6706',unscrewed from fish. (5 hrs)

Tripped out of hole checking connections. (7 hrs)

Made up 3 joints of 10 3/4"washpipe and washpipe shoe. (1.5 hrs)

Comments: Pulled out bha checking connections.Made up screw in bha and tripped in hole to 6706'.Circulated bottoms up.Jarred on fish @ 6706',unscrewed from fish.Tripped out of hole checking connections.Made up 3 joints of 10 3/4"washpipe and washpipe shoe.

Mud Data: MW: 9.5 Viscosity: 57 Filtrate: 9.4

Surveys: None

Daily Costs ($):	56,555	**Well Costs ($):**	5,621,879		
Drilling Days:	67	**Completion Days:**	0	**Workover Days:**	0

15-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Repaired broken pedestal for Kenai hydraulic wrench.Pulled out of hole with washpipe,removed shoe.Made up new shoe and tripped in hole.

Operation Summary:

Tripped in hole with washpipe,tight hole @5562'.Broke circulation, (6 hrs)
Reamed from 5562' to 5673'. (1.5 hrs)
Tripped in hole to 6706'. (1 hrs)
Washed over fish from 6706' to 6745'.Hard formation from 6737 to 6745'. (7.5 hrs)
Tripped out of hole for new washpipe shoe. (3.5 hrs)
Repaired broken pedestal for Kenai hydraulic wrench. (4.5 hrs)

Comments: Tripped in hole with washpipe,tight hole @5562'.Broke circulation,Reamed from 5562' to 5673'.Tripped in hole to 6706'.Washed over fish from 6706' to 6745'.Hard formation from 6737 to 6745'.Tripped out of hole for new washpipe shoe.Repaired broken pedestal for Kenai hydraulic wrench.

Mud Data: MW: 9.4 Viscosity: 50 Filtrate: 9.2

Surveys: None

Daily Costs ($):	54,790	**Well Costs ($):**	5,676,668		
Drilling Days:	68	**Completion Days:**	0	**Workover Days:**	0

16-Mar-09

Current Depth (ft):	7,189	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: Washed over fish from 6775' to 6780'.Tripped out of hole with washpipe.

Operation Summary:

Repaired Kenai iron roughneck. (2 hrs)
Tripped out of hole with washpipe. (1 hrs)
Made up new washpipe shoe and tripped in hole,tight hole @ 5571'. (7 hrs)
Reamed from 5571' to 5642'. (1 hrs)
Tripped in hole to 6706'. (1 hrs)
Washed over fish from 6706' to 6775'. (12 hrs)

Comments: Repaired Kenai iron roughneckTripped out of hole with washpipe.Made up new washpipe shoe and tripped in hole,tight hole @ 5571'.Reamed from 5571' to 5642'.Tripped in hole to 6706'.Washed over fish from 6706' to 6775'.

Mud Data: MW: 9.4 Viscosity: 50 Filtrate: 8.2

Surveys: None

Daily Costs ($):	59,020	**Well Costs ($):**	5,735,688		
Drilling Days:	69	**Completion Days:**	0	**Workover Days:**	0

17-Mar-09

Current Depth (ft):	7,189	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: Continued to wash and ream to 6780'. Washed over fish from 6780' to 6796' at 6:00 am. Fish= 12 1/4" bit, Baker Tru Trak, adaptor sub, MWD, filter sub, float sub, shock sub, 3 x 9" dc's , xo, 1 x 8" dc . Fish length 214.44'. Top of fish at 6706', bottom of fish at 6920'.

Operation Summary:

Washed over fish from 6775' to 6780'. (3.5 hrs)
Pulled out of the hole. Removed wash shoe # 2 , insatlled wash shoe #3 (11 1/2" od , 9" 3/4 id) . Ran in the hole to 6706' (top of fish). (15 hrs)
Worked over top of fish at 6706'. Washed and reamed from 6736' to 6760'. (5.5 hrs)

Comments: Washed over fish from 6775' to 6780'.Pulled out of the hole. Removed wash shoe # 2 , insatlled wash shoe #3 (11 1/2" od , 9" 3/4 id) . Ran in the hole to 6706' (top of fish). Washed and reamed from 6736' to 6760'.

Mud Data: MW: 9.5 Viscosity: 60 Filtrate:

Surveys: None

Daily Costs ($):	200,094	**Well Costs ($):**	5,935,781		
Drilling Days:	70	**Completion Days:**	0	**Workover Days:**	0

18-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Made up shot # 1 ran into bottom of the first 8" dc at 6736' , unscrewed from fish while attempting to work in left hand torque. Tiger wire line was damaged . Screwed back into fish , made shot #1, finished back off. Tiger wire line truck was unable to prove depth off backoff. Pulled out of the hole , torquing all breaks. Continued to wash and ream to 6780'. Washed over fish from 6780' to 6796' at 6:00 am.
Fish= 12 1/4" bit, Baker Tru Trak, adaptor sub, MWD, filter sub, float sub, shock sub, 3 x 9" dc's , xo, 1 x 8" dc . Fish length 214.44'. Top of fish at 6706', bottom of fish at 6920'.

Operation Summary:

Continued to ream over fish with washover shoe #3 from 6760' to 6778'. Wash over fish from 6778' to 6796', which is 4' above the bottom of the #2 x9" dc. (8.5 hrs)

Pulled out of the hole, stood back 10 3/4" wash pipe. Made up circ and screwin sub, changed out the jars. Ran back in the hole top of fish at 6706'. (12 hrs)

Screwed into top of fish at 6706'. Jarred on fish with no progress. (1.5 hrs)

Rigged up Tiger wire line truck. Ran freepoint tool that stopped at 6750' which is the middle of the first 9" drill collar, due to plugged fish. Ran wire line spud bar and spang jars to 6750' and attempted to work thur debris. Attempt failed. (2 hrs)

Comments: Continued to ream over fish with washover shoe #3 from 6760' to 6778'. Wash over fish from 6778' to 6796', which is 4' above the bottom of the #2 x9" dc. Pulled out of the hole, stood back 10 3/4" wash pipe. Made up circ and screwin sub, changed out the jars. Ran back in the hole top of fish at 6706'.Screwed into top of fish at 6706'. Jarred on fish with no progress. Rigged up Tiger wire line truck. Ran freepoint tool that stopped at 6750', which is the middle of the first 9" drill collar, due to plugged fish. Ran wire line spud bar and spang jars to 6750' and attempted to work thur debris. Attempt failed.

Mud Data: MW: 9.5 Viscosity: 76 Filtrate: 8.8

Surveys: None

Daily Costs ($): 85,133 **Well Costs ($):** 6,020,915

Drilling Days: 71 **Completion Days:** 0 **Workover Days:** 0

19-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Pulled out of the hole. Made up sawtooth sub. Ran in the hole to 1800' at 6:00 am.
Fish= 12 1/4" bit, Baker Tru Trak, adaptor sub, MWD, filter sub, float sub, shock sub, 3 x 9" dc's , xo, 1 x 8" dc . Fish length 183.44'. Top of fish at 6737', bottom of fish at 6920'.

Operation Summary:

Made up shot # 1 ran into bottom of the first 8" dc at 6736' , unscrewed from fish while attempting to work in left hand torque. Tiger wire line was damaged . Screwed back into fish , made shot #1, finished back off. Tiger wire line truck was unable to prove depth off backoff. (5 hrs)

Pulled out of the hole , torquing all breaks. Found two loose joints of drill pipe. Retieved 1x8" drill collar. Top of fish at 6737'. (8 hrs)

Laid down and loaded all fishing tools and wash pipe. (4 hrs)

Made up 12 1/4" mill tooth bit and ran in the hole , filled pipe at the shoe. Ran in the hole to top of fish at 6737'. (5 hrs)

Circulated and conditioned mud at 6737'. (2 hrs)

Comments: Made up shot # 1 ran into bottom of the first 8" dc at 6736' , unscrewed from fish while attempting to work in left hand torque. Tiger wire line was damaged . Screwed back into fish , made shot #1, finished back off. Tiger wire line truck was unable to prove depth off backoff. Pulled out of the hole , torquing all breaks. Found two loose joints of drill pipe. Retieved 1x8" drill collar. Top of fish at 6737'.Laid down and loaded all fishing tools and wash pipe.Made up 12 1/4" mill tooth bit and ran in the hole , filled pipe at the shoe. Ran in the hole to top of fish at 6737'.Circulated and conditioned mud at 6737'.

Mud Data: MW: 9.6 Viscosity: 76 Filtrate: 8.1

Surveys: None

Daily Costs ($): 58,884 **Well Costs ($):** 6,079,799

Drilling Days: 72 **Completion Days:** 0 **Workover Days:** 0

20-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Finished with magna fluxing and building BHA. Ran in the hole. Reamed from 5009' to 5200' at 6:00 am.

Operation Summary:

Pulled out of the hole. Stood back BHA. Made up sawtooth sub on drill pipe. Ran in the hole to 6737'. (8 hrs)

Circulated to cool hole at 6737'. Rigged up Howco. (2 hrs)

Tailboard. With sawtooth at 6730', Howco mixed and pumped cement plug # 4 as follows, 40 bbls of H2O, 31 bbls (215 lin ft) of 15 # " Plugchem System" cement, displaced with 4 bbls of H2O spacer, then 61 bbls of 9.4 # rig mud. Cement in place at 10:30 am. (1 hrs)

Pulled out of the hole to 6000'. Installed drill pipe wiper ball , pumped 70 bbls of mud with Howco to clean drill pipe. Continued to pull out of the hole, laying down working driil pipe. (7 hrs)

Magna flux inspect drill collars, lifters , subs , kelly pin and make up 12 1/4" reaming BHA.and make up 12 1/4" reaming BHA.Found cracked saver sub pin. (6 hrs)

Comments: Pulled out of the hole. Stood back BHA. Made up sawtooth sub on drill pipe. Ran in the hole to 6737'. Circulated to cool hole at 6737'. Rigged up Howco.Tailboard. With sawtooth at 6730', Howco mixed and pumped cement plug # 4 as follows, 40 bbls of H2O, 31 bbls (216 lin ft) of 15 # " Plugchem System" cement, displaced with 4 bbls of H2O spacer, then 61 bbls of 9.4 # rig mud. Cement n place at 10:30 am.Pulled out of the hole to 6000'. Installed drill pipe wiper ball , pumped 70 bbls of mud with Howco to clean drill pipe. Continued to pull out of the hole, laying down working drill pipe(total 56 jts).Magna flux inspect drill collars, lifters , subs , kelly pin and make up 12 1/4" reaming BHA. Found cracked saver sub pin.

Mud Data: None

Surveys: None

Daily Costs ($): 116,378 **Well Costs ($):** 6,196,177

Drilling Days: 73 **Completion Days:** 0 **Workover Days:** 0

21-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Reamed from 6230' to top of cement plug # 4 at 6545'.

Operation Summary:

Continued maga fluxing and building 12 1/4" reaming BHA. (2 hrs)

Ran in the hole to 5009'. (2 hrs)

Reamed 12 1/4" hole from 5009' to 5627'. Tight hole. (7 hrs)

Unable to proceede any depper due to unstable Argillite formation. Circulated and conditioned mud. Brought visc up to 72, mud weight to 9.7, Resinex 2/3 #/ bbl. (2 hrs)

Reamed to 5880', tight hole. (4 hrs)

Circulated out unstable Argillite formation at 5880'. (3 hrs)

Reamed to 6230'. (4 hrs)

Comments: Continued maga fluxing and building 12 1/4" reaming BHA. Ran in the hole to 5009'.Reamed 12 1/4" hole from 5009' to 5627'. Tight hole.Unable to proceede any depper due to unstable Argillite formation. Circulated and conditioned mud. Brought visc up to 72, mud weight to 9.7, Resinex 2/3 #/ bbl.Reamed to 5880', tight hole.Circulated out unstable Argillite formation at 5880'.Reamed to 6230'.

Mud Data: MW: 9.6 Viscosity: 75 Filtrate: 7.7

Surveys: None

Daily Costs ($): 61,239 **Well Costs ($):** 6,257,416

Drilling Days: 74 **Completion Days:** 0 **Workover Days:** 0

22-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Finish making up directional tools. MWD tested good. Rig SCR failed to run both rig pumps. Rig on down time , waiting on electrican from Bakersfield to arrive.

Operation Summary:

Continued to ream from 6230' to top of cement plug # 4 at 6545'. (6 hrs)

Circulated and conditioned mud to drill out cement. (1 hrs)
Clean out cement plug # 4 fromm 6545' to 6610'. Plug was hard. (1 hrs)
Circulated to clean hole. (3 hrs)
Pulled out of the hole to the shoe. (1 hrs)
Circulated. (2 hrs)
Ran in the hole (no tight spots) to 6590', had 20' of fill. (1 hrs)
Cleaned out fill to 6610', circulated hole clean , pumped sweep. (3 hrs)
Pulled out of the hole (no tight spots). Laid down reaming assembly. Began to make up directional tools. (6 hrs)

Comments: Continued to ream from 6230' to top of cement plug # 4 at 6545'.Circulated and conditioned mud to drill out cement.Clean out cement plug # 4 fromm 6545' to 6610'. Plug was hard.Circulated to clean hole.Pulled out of the hole to the shoe. Circulated.Ran in the hole (no tight spots) to 6590', had 20' of fill.Cleaned out fill to 6610', circulated hole clean , pumped sweep.Pulled out of the hole (no tight spots). Laid down reaming assembly. Began to make up directional tools.

Mud Data: MW: 9.6 Viscosity: 72 Filtrate: 7.1

Surveys: None

Daily Costs ($): 57,751 **Well Costs ($):** 6,315,167

Drilling Days: 75 **Completion Days:** 0 **Workover Days:** 0

23-Mar-09

Current Depth (ft): 7,189 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Ran in the hole tagged tight hole at 5676'. Reamed from 5676' to 5751' due to unstable sloughing Argillite. Pulled out of the hole.

Operation Summary:

Finish making up directional tools. Ran in the hole to 1373'. (2.5 hrs)
The rig # 3 SCR electrical panel failed. Made repairs to the SCR. (18 hrs)
Ran in the hole filling the pipe every 15 stands to cool mud motor. (3.5 hrs)

Comments: Finish making up directional tools. Ran in the hole to 1373'.The rig # 3 SCR electrical panel failed. Made repairs to the SCR. Ran in the hole filling the pipe every 15 stands to cool mud motor.

Mud Data: MW: 9.6 Viscosity: 74 Filtrate: 7

Surveys: None

Daily Costs ($): 574,550 **Well Costs ($):** 6,889,717

Drilling Days: 76 **Completion Days:** 0 **Workover Days:** 0

24-Mar-09

Current Depth (ft): 6,610 **Hole Drilled (ft):** -579 **Ave ROP:**

Current Ops: Circulated bottoms up.Wiped hole to 5000'.Tripped in hole ,tagged fill @ 6585'.Cleaned out to 6610'.Circulated bottoms up.Tripped out of hole for mud motor.

Operation Summary:

Tripped in hole,tagged bridge @ 5626'. (1.5 hrs)
Cleaned out bridge from 5626' to 5751'. (2 hrs)
Tripped out of hole for rotary bha. (4.5 hrs)
Made up rotary bha and tripped in hole,tagged bridge @ 5751'. (5.5 hrs)
Cleaned out bridge from 5751' to 5924'. (2 hrs)
Tripped in hole to 6114'.Cleaned out bridges and reamed from 6114' to 6610'. (8.5 hrs)

Comments: Tripped in hole,tagged bridge @ 5626'.Cleaned out bridge from 5626' to 5751'.Tripped out of hole for rotary bha.Made up rotary bha and tripped in hole,tagged bridge @ 5751'.Cleaned out bridge from 5751' to 5924'.Tripped in hole to 6114'.Cleaned out bridges and reamed from 6114' to 6610'.

Mud Data: MW: 9.5 Viscosity: 72 Filtrate: 7.1

Surveys: None

Daily Costs ($): 64,829 **Well Costs ($):** 6,954,546

	Drilling Days:	77	**Completion Days:**	0	**Workover Days:**	0

25-Mar-09

Current Depth (ft):	6,610	**Hole Drilled (ft):**	0	**Ave ROP:**		

Current Ops: Reamed and washed from 6416' to 6610'.Time drilled from 6610' to 6617'.

Operation Summary:

Circulated bottoms up @ 6610'. (1.5 hrs)
Wiped hole from 5000' to 6585'.Cleaned out to 6610'. (3 hrs)
Circulated bottoms up @ 6610'. (1.5 hrs)
Tripped out of hole. (6 hrs)
Made up mud motor and tripped in hole,tight hole @ 5636'. (5.5 hrs)
Reamed and washed from 5636' to 6416' working pipe from derrick. (6.5 hrs)

Comments: Circulated bottoms up @ 6610'.Wiped hole from 5000' to 6585'.Cleaned out to 6610'.Circulated bottoms up @ 6610'.Tripped out of hole.Made up mud motor and tripped in hole,tight hole @ 5636'.Reamed and washed from 5636' to 6416' working pipe from derrick.

Mud Data: MW: 9.7 Viscosity: 78 Filtrate: 6.5

Surveys: None

Daily Costs ($):	59,095	**Well Costs ($):**	7,013,641			
Drilling Days:	78	**Completion Days:**	0	**Workover Days:**	0	

26-Mar-09

Current Depth (ft):	6,641	**Hole Drilled (ft):**	31	**Ave ROP:**	1.4	

Current Ops: Time drilled from 6641' to 6652'.

Operation Summary:

Washed and reamed from 6416' to 6610'. (2 hrs)
Time drilled sidetrack#1 from 6610' to 6641'. (22 hrs)

Comments: Washed and reamed from 6416' to 6610'.Time drilled sidetrack#1 from 6610' to 6641'.

Mud Data: MW: 9.7 Viscosity: 70 Filtrate: 6.2

Surveys: None

Daily Costs ($):	67,382	**Well Costs ($):**	7,081,023			
Drilling Days:	79	**Completion Days:**	0	**Workover Days:**	0	

27-Mar-09

Current Depth (ft):	6,670	**Hole Drilled (ft):**	29	**Ave ROP:**	1.8	

Current Ops: Tripped in hole to 5000'.Slipped and cut drill line.

Operation Summary:

Time drilled from 6641' to 6670'. (16 hrs)
Tripped out of hole,removed kick sub,installed stab and pony collar. (6.5 hrs)
Made up bha. (1.5 hrs)

Comments: Time drilled from 6641' to 6670'.Tripped out of hole,removed kick sub,installed stab and pony collar.Made up bha.

Mud Data: MW: 9.7 Viscosity: 72 Filtrate: 6

Surveys: None

Daily Costs ($):	67,352	**Well Costs ($):**	7,148,375			
Drilling Days:	80	**Completion Days:**	0	**Workover Days:**	0	

28-Mar-09

Current Depth (ft):	6,774	**Hole Drilled (ft):**	104	**Ave ROP:**	6.7	

Current Ops: Drilled from 6774' to 6817'.

Operation Summary:

Tripped in hole to 5000'. (3.5 hrs)
Cut and slipped drill line. (2 hrs)
Worked pipe from derrick,tripped in hole to 6575'. (2 hrs)

Reamed from 6575' to 6670'. (1 hrs)
Drilled 12 1/4" from 6670' to 6774'. (15.5 hrs)

Comments: Tripped in hole to 5000'.Cut and slipped drill line.Worked pipe from derrick,tripped in hole to 6575'.Reamed from 6575' to 6670'.Drilled 12 1/4" from 6670' to 6774'.

Mud Data: MW: 9.7 Viscosity: 72 Filtrate: 5.9

Surveys: 6610ft - 3.86 deg Inc, 19.1 deg Az; 6682ft - 5.3 deg Inc, 1.4 deg Az;

Daily Costs ($):	82,524	**Well Costs ($):**	7,230,899		
Drilling Days:	81	**Completion Days:**	0	**Workover Days:**	0

29-Mar-09

Current Depth (ft):	6,919	**Hole Drilled (ft):**	145	**Ave ROP:**	7.3

Current Ops: Drilled from 6917' to 6964'.

Operation Summary:

Drilled 12 1/4" hole from 6774' to 6837'. (8.5 hrs)
Circulated and wiped hole from 5000' to 6837'. (4 hrs)
Drilled from 6837' to 6919'. (11.5 hrs)

Comments: Drilled 12 1/4" hole from 6774' to 6837'.Circulated and wiped hole from 5000' to 6837'.Drilled from 6837' to 6919'.

Mud Data: MW: 9.8 Viscosity: 75 Filtrate: 5.3

Surveys: 6840ft - 8.9 deg Inc, 5.51 deg Az;

Daily Costs ($):	67,186	**Well Costs ($):**	7,298,086		
Drilling Days:	82	**Completion Days:**	0	**Workover Days:**	0

30-Mar-09

Current Depth (ft):	7,083	**Hole Drilled (ft):**	164	**Ave ROP:**	6.8

Current Ops: Drilled from 7083' to 7090'. Wiped hole to the shoe. Ran back in the hole, bit would not drill.

Operation Summary:

Drilled 12 1/4" hole from 6919' to 7083'. (24 hrs)

Comments: Drilled 12 1/4" hole from 6919' to 7083'.

Mud Data: None

Surveys: None

Daily Costs ($):	65,986	**Well Costs ($):**	7,364,072		
Drilling Days:	83	**Completion Days:**	0	**Workover Days:**	0

31-Mar-09

Current Depth (ft):	7,090	**Hole Drilled (ft):**	7	**Ave ROP:**	3.5

Current Ops: Ran in the hole to 6581'. Reamed from 6581' to 6900' at 6:00 am.

Operation Summary:

Continued to drill 12 1/4" hole with MWD from 7083' to 7090'. (2 hrs)
Circulated. (1 hrs)
Pulled out of the hole to the shoe. Ran back in the hole. Unable to drill because of high bit torque, possible slip die in the hole. (4 hrs)
Pulled out of the hole, laid down directional drilling tools. Made up 12 1/4" conventional drilling tools and rerun bit . Picked up 3 x 8" drill collars. Ran in to 4586' laying down drill pipe to ream with. (17 hrs)

Comments: Continued to drill 12 1/4" hole with MWD from 7083' to 7090'.Circulated.Pulled out of the hole to the shoe. Ran back in the hole. Unable to drill because of high bit torque, possible slip die in the hole.Pulled out of the hole, laid down directional drilling tools. Made up 12 1/4" conventional drilling tools and rerun bit . Picked up 3 x 8" drill collars. Ran in to 4586' laying down drill pipe to ream with.

Mud Data: None

Surveys: None

Daily Costs ($):	60,727	**Well Costs ($):**	7,424,800		
Drilling Days:	84	**Completion Days:**	0	**Workover Days:**	0

Well Summary Report

Calpine

Well ID: Aidlin # 12 | **Well Name: Aidlin # 12**

Field: Geysers | Sect: 32 Town: 12 N Rng: 9 W County: Sonoma State: CA

01-Apr-09

Current Depth (ft): 7,133 **Hole Drilled (ft):** 43 **Ave ROP:** 3.1

Current Ops: Continued to drill from 7133' to 7157'. Began losing 200 bph of mud at 7153', lost total returns at 7155'. Began to pull out of the hole.

Operation Summary:

Continue to run in the hole to 6581'. (1 hrs)

Reamed directional run from 6581' to 7090'. (9 hrs)

Drilled 12 1/4" hole from 7090' to 7133'. (14 hrs)

Comments: Continue to run in the hole to 6581'.Reamed directional run from 6581' to 7090'.Drilled 12 1/4" hole from 7090' to 7133'.

Mud Data: MW: 9.8 Viscosity: 74 Filtrate: 5.3

Surveys: 6935ft - 11.1 deg Inc, 8.8 deg Az; 6999ft - 12 deg Inc, 13.8 deg Az; 7030ft - 12.4 deg Inc, 15.5 deg Az;

Daily Costs ($): 70,806 **Well Costs ($):** 7,495,606

Drilling Days: 85 **Completion Days:** 0 **Workover Days:** 0

02-Apr-09

Current Depth (ft): 7,156 **Hole Drilled (ft):** 23 **Ave ROP:** 4.2

Current Ops: Made up new 12 1/4" bit # 13 and BHA. Ran in the hole to the shoe.Circulated and built mud volume.

Operation Summary:

Contniued to drill 12 1/4" hole with convetional drilling BHA from 7133' to 7157'. Began losing 200 bph of mud at 7153', lost all returns at 7155'. (5.5 hrs)

Pulled out of the hole stood all tools back in the derrick. (6.5 hrs)

Slipped and cut the drilling line. (2 hrs)

Made up sawtooth sub on drill pipe. Ran in the hole to 7155'. (4 hrs)

Tailboard.Pumped 85 bbls of mud to cool and clear drill pipe. Fluid level at 325'. Rigged up Howco mixed and pumped cement plug # 5 as follows, 8 bbls H2O, 22 bbls (140 lin ft)of 15 # "Plugchem System " cement , 8 bbls of H2O spacer, then displaced with 65 bbls of 9.4# mud.Hole began to circulate at 48 bbls of displacement. Cement in place at 6:30 pm. (1 hrs)

Pulled out of the hole to 6215'. Pumped drill pipe wiper ball thru drill string. (1 hrs)

Pulled out of the hole. (4 hrs)

Comments: Contniued to drill 12 1/4" hole with convetional drilling BHA from 7133' to 7157'. Began losing 200 bph of mud at 7153', lost all returns at 7155'. Pulled out of the hole stood all tools back in the derrick.Slipped and cut the drilling line.Made up sawtooth sub on drill pipe. Ran in the hole to 7155'. Tailboard.Pumped 85 bbls of mud to cool and clear drill pipe. Fluid level at 325'. Rigged up Howco mixed and pumped cement plug # 5 as follows, 8 bbls H2O, 22 bbls (140 lin ft) of 15 # "Plugchem" cement , 8 bbls of H2O spacer, then displaced with 65 bbls of 9.4# mud. Hole began to circulate at 48 bbls of displacement. Cement in place at 6:30 pm.Pulled out of the hole to 6215'. Pumped down drill pipe wiper ball thru drill string.Pulled out of the hole.

Mud Data: MW: 9.7 Viscosity: 78 Filtrate: 5.7

Surveys: None

Daily Costs ($): 8,215 **Well Costs ($):** 7,503,821

Drilling Days: 86 **Completion Days:** 0 **Workover Days:** 0

03-Apr-09

Current Depth (ft): 7,231 **Hole Drilled (ft):** 75 **Ave ROP:** 6.5

Current Ops: Continue to drill 12 1/4' hole from 7231' to 7256'. Began to lose 200 bph of mud at 7249'. Began to pull out of the hole.

Operation Summary:

Made up 12 1/4" BHA and ran in the hole to 5000'. (4 hrs)

Circulated and built mud volume. (2 hrs)

Ran in the hole to 6830', tagged tight hole. (1.5 hrs)

Circulated bottoms up. (1.5 hrs)

Reamed from 6830' to top of cement plug # 5 at 7070'. Hole took 7 bbls of cement. (1 hrs)

Clean out cement from 6830' to 7157'. (1.5 hrs)
Drilled 12 1/4" hole from 7157' to 7187', with full returns. (4 hrs)
Circulated and ran directional survey at 7127'. (1 hrs)
Drilled 12 1/4" hole from 7187' to 7231', with full returns. (7.5 hrs)

Comments: Made up 12 1/4" BHA and ran in the hole to 5000'.Circulated and built mud volume.Ran in the hole to 6830', tagged tight hole.Circulated bottoms up.Reamed from 6830' to top of cement plug # 5 at 7070'. Hole took 7 bbls of cement.Clean out cement from 6830' to 7157'.Drilled 12 1/4" hole from 7157' to 7187', with full returns.Circulated and ran directional survey at 7127'.Drilled 12 1/4" hole from 7187' to 7231', with full returns.

Mud Data: MW: 9.9 Viscosity: 78 Filtrate: 5

Surveys: 7127ft - 14.1 deg Inc, 20.1 deg Az;

Daily Costs ($): 84,773 **Well Costs ($):** 7,588,594

Drilling Days: 87 **Completion Days:** 0 **Workover Days:** 0

04-Apr-09

Current Depth (ft): 7,256 **Hole Drilled (ft):** 25 **Ave ROP:** 6.3

Current Ops: Ran in the hole to the shoe wtih 12 1/4" BHA. Circulated and built mud volume. Ran in the hole, tagged top of cement at 7107' (hole took 4 bbls of cement).Circulated bottoms up.

Operation Summary:

Continue to drill 12 1/4" hole from 7231' to 7256'. Began to lose 200 bph of mud at 7249'. (4 hrs)
Pulled out of the hole. Stood back BHA. Made up sawtooth sub on drill pipe. Ran in the hole to the shoe.Tailboard. Rigged up Howco. Ran in the hole to 7255'. (11 hrs)
Pumped 100 bblsof mud to cool hole and clear pipe. Fluid level at 125'. Howco mixed and pumped cement plug # 6 as follows, 8 bbls of H2O, 26 bbls (175 lin ft) of 15 # " Plugchem System" cement, displaced with 8 bbls of H2O and 68 bbls of 9.7 # mud . Had mud returns after 18 bbls of displacement. Cement in place at 3:30 pm. (1 hrs)
Pulled out of the hole to 6215'. Pumped drill pipe wiper ball thru drill string. (1 hrs)
Pulled out of the hole. Made up 12 1/4" BHA. (7 hrs)

Comments: Continue to drill 12 1/4" hole from 7231' to 7256'. Began to lose 200 bph of mud at 7249'.Pulled out of the hole. Stood back BHA. Made up sawtooth sub on drill pipe. Ran in the hole to the shoe.Tailboard. Rigged up Howco. Ran in the hole to 7255'. Pumped 100 bblsof mud to cool hole and clear pipe. Fluid level at 125'. Howco mixed and pumped cement plug # 6 as follows, 8 bbls of H2O, 26 bbls (175 lin ft) of 15 # " Plugchem System" cement, displaced with 8 bbls of H2O and 68 bbls of 9.7 # mud . Had mud returns after 18 bbls of displacement. Cement in place at 3:30 pm.Pulled out of the hole to 6215'. Pumped drill pipe wiper ball thru drill string.Pulled out of the hole. Made up 12 1/4" BHA.

Mud Data: MW: 9.7 Viscosity: 57 Filtrate: 6.1

Surveys: None

Daily Costs ($): 60,927 **Well Costs ($):** 7,649,521

Drilling Days: 88 **Completion Days:** 0 **Workover Days:** 0

05-Apr-09

Current Depth (ft): 7,345 **Hole Drilled (ft):** 89 **Ave ROP:** 6.1

Current Ops: Continued to drill 12 1/4" hole to 7375' at 6:00 am. Losing aprox 20/ 30 bph of mud.

Operation Summary:

Continued to run in the hole to 4988'. (1 hrs)
Circulated and built mud volume at 4988'. (2 hrs)
Ran in the hole, tagged cement at 7107'. (1.5 hrs)
Circulated. (1.5 hrs)
Cleaned out cement from 7107' to 7256'. (2.5 hrs)
Drilled 12 1/4" hole from 7256' to 7313'. (9 hrs)
Ran directional survey at 7253'. (1 hrs)
Drilled 12 1/4" hole from 7313' to 7345'. (5.5 hrs)

Comments: Continued to run in the hole to 4988'.Circulated and built mud volume at 4988'.Ran in

the hole, tagged cement at 7107'.Circulated.Cleaned out cement from 7107' to 7256'.Drilled 12 1/4" hole from 7256' to 7313'.Drilled 12 1/4" hole from 7313' to 7345'.

Mud Data: MW: 9.7 Viscosity: 75 Filtrate: 6.8

Surveys: 7253ft - 16.8 deg Inc, 21 deg Az;

Daily Costs ($): 52,120 **Well Costs ($):** 7,701,640

Drilling Days: 89 **Completion Days:** 0 **Workover Days:** 0

06-Apr-09

Current Depth (ft): 7,456 **Hole Drilled (ft):** 111 **Ave ROP:** 4.8

Current Ops: Drilling ahead at 7480' at 6:00 am. Mud loss 12 /15 bph.

Operation Summary:

Drilled 12 1/4" hole from 7345' to 7408'.Mud loss aprox 12 / 15 bph. (12.5 hrs)
Circulated and ran directional survey at 7348'. (1 hrs)
Drilled 12 1/4" hole from 7408' to 7456'. Mud loss aprox 12 / 15 bph. (10.5 hrs)

Comments: Drilled 12 1/4" hole from 7345' to 7408'.Circulated and ran directional survey at 7348'.Drilled 12 1/4" hole from 7408' to 7456'. Mud loss aprox 12 / 15 bph.

Mud Data: MW: 9.7 Viscosity: 76 Filtrate: 6.1

Surveys: 7348ft - 17.1 deg Inc, 21 deg Az;

Daily Costs ($): 68,994 **Well Costs ($):** 7,770,634

Drilling Days: 90 **Completion Days:** 0 **Workover Days:** 0

07-Apr-09

Current Depth (ft): 7,543 **Hole Drilled (ft):** 87 **Ave ROP:** 4.7

Current Ops: Drilled from 7543' to 7570'.Mud loss approx 12/15 bph.

Operation Summary:

Drilled 12 1/4" hole from 7456' to 7503'.Mud loss approx 12/15 bph. (10 hrs)
Circulated and surveyed @ 7453'. (2 hrs)
Tripped out of hole to 5000'. (1.5 hrs)
Removed hydraulic floorhand. (1 hrs)
Tripped in hole to 7503'. (1 hrs)
Drilled from 7503' to 7543'.Mud loss approx 12/15 bph. (8.5 hrs)

Comments: Drilled 12 1/4" hole from 7456' to 7503'.Mud loss approx 12/15 bph.Circulated and surveyed @ 7453'.Tripped out of hole to 5000'.Removed hydraulic floorhand.Tripped in hole to 7503'.Drilled from 7503' to 7543'.Mud loss approx 12/15 bph.

Mud Data: MW: 9.7 Viscosity: 72 Filtrate: 6.2

Surveys: 7453ft - 17.4 deg Inc, 21.9 deg Az;

Daily Costs ($): 71,447 **Well Costs ($):** 7,842,081

Drilling Days: 91 **Completion Days:** 0 **Workover Days:** 0

08-Apr-09

Current Depth (ft): 7,642 **Hole Drilled (ft):** 99 **Ave ROP:** 4.4

Current Ops: Drilled from 7642' to 7671'.Losing 10 bph.

Operation Summary:

Drilled 12 1/4" hole from 7543 ft to 7598 ft.Losing 10 bph. (12 hrs)
Circulated and surveyed @ 7548'. (1.5 hrs)
Drilled from 7598 ft to 7642 ft.Losing 10 bph. (10.5 hrs)

Comments: Drilled 12 1/4" hole from 7543 ft to 7598 ft.Losing 10 bph.Circulated and surveyed @ 7548'.Drilled from 7598 ft to 7642 ft.Losing 10 bph.

Mud Data: MW: 9.7 Viscosity: 73 Filtrate: 6

Surveys: 7548ft - 17.7 deg Inc, 23.5 deg Az;

Daily Costs ($): 57,920 **Well Costs ($):** 7,900,001

Drilling Days: 92 **Completion Days:** 0 **Workover Days:** 0

09-Apr-09

Current Depth (ft): 7,723 **Hole Drilled (ft):** 81 **Ave ROP:** 4.5

Current Ops: Tripped in hole to 7723'.Circulated bottoms up.Tripped out of hole for 9 5/8" casing.

Operation Summary:

Drill 12 1/4" hole from 7642 ft to 7723 ft.No mud loss. (18 hrs)
Circulated and surveyed @7660'. (2.5 hrs)
Wiper Trip to 5000 ft. (1.5 hrs)
Cut and slipped drill line. (2 hrs)

Comments: Drill 12 1/4" hole from 7642 ft to 7723 ft.No mud loss.Circulated and surveyed @7660'.Wiper Trip to 5000 ft.Cut and slipped drill line.

Mud Data: MW: 9.7 Viscosity: 85 Filtrate: 5.8

Surveys: None

Daily Costs ($):	50,004	**Well Costs ($):**	7,950,005		
Drilling Days:	93	**Completion Days:**	0	**Workover Days:**	0

10-Apr-09

Current Depth (ft): 7,723 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Tripped in hole with casing and hanger.Tagged fill @ 7708'.Washed casing to 7723'.Circulated to cool well.Rigged up Haliburton and cemented 9 5/8" casing.

Operation Summary:

Tripped in hole to 7723'. (2 hrs)
Circulated bottoms up. (1.5 hrs)
Tripped out of hole for casing,strapped out. (7.5 hrs)
Made up casing hanger. (2 hrs)
Rigged up Team Casing and ran 9 5/8" casing.Made up hanger to casing.Rigged down Team Casing. (9 hrs)
Tripped in hole with 9 5/8" casing and hanger. (2 hrs)

Comments: Tripped in hole to 7723'.Circulated bottoms up.Tripped out of hole for casing,strapped out.Made up casing hanger.Rigged up Team Casing and ran 9 5/8" casing.Made up hanger to casing.Rigged down Team Casing.Tripped in hole with 9 5/8" casing and hanger.

Mud Data: MW: 9.7 Viscosity: 76 Filtrate: 5.7

Surveys: None

Daily Costs ($):	61,871	**Well Costs ($):**	8,011,876		
Drilling Days:	94	**Completion Days:**	0	**Workover Days:**	0

11-Apr-09

Current Depth (ft): 7,723 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Tripped in hole tagged cement @4676'.Cleaned out cement from 4676' to 4793'.Circulated and tested lap to 250 psi(ok).

Operation Summary:

Ran in hole with 9 5/8" casing and hanger,tagged fill @ 7708'. (2.5 hrs)
Washed casing from 7708' to 7723'. (1 hrs)
Circulated and cooled well.Set hanger @ 4793' bottom of casing 7720'. (1.5 hrs)
Held safety meeting,rigged up Haliburton,and cemented 9 5/8" casing. (4 hrs)
Backed off of hanger and tripped out of hole to 3737'.Cleared pipe and rigged down Haliburton. (2 hrs)
Tripped out of hole,laid down hanging tools. (2 hrs)
Tripped in hole with 8" drill collars. (2 hrs)
Broke down,magna checked,and made up kelly. (3 hrs)
Laid down 8" drill collars. (2.5 hrs)
Picked up 12 1/4" bit and 6" drill collars and tripped in hole. (3.5 hrs)

Comments: Ran in hole with 9 5/8" casing and hanger,tagged fill @ 7708'.Washed casing from 7708' to 7723'.Circulated and cooled well.Set hanger @ 4793' bottom of casing 7720'.Held safety meeting,rigged up Haliburton,and cemented 9 5/8" casing.Backed off of hanger and tripped out of hole to 3737'.Cleared pipe and rigged down Haliburton.Tripped out of hole,laid down hanging tools.Tripped in hole with 8" drill collars.Broke down,magna

checked,and made up kelly.Laid down 8" drill collars.Picked up 12 1/4" bit and 6" drill collars and tripped in hole.

Mud Data: None

Surveys: None

Daily Costs ($):	368,948	**Well Costs ($):**	8,380,824		
Drilling Days:	95	**Completion Days:**	0	**Workover Days:**	0

12-Apr-09

Current Depth (ft): 7,723 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Changed over hole from mud to water.Tripped out of hole.

Operation Summary:

Tripped in hole with 12 1/4" bit,tagged cement @4676'. (3.5 hrs)
Cleaned out cement from 4676' to lap @ 4793'. (1.5 hrs)
Circulated clean and tested lap to 250 psi (ok). (1 hrs)
Tripped out of hole and laid down 12 1/4" bit. (4 hrs)
Made up 8 1/2" bit and stabalizer,tripped in hole to 4793'. (4 hrs)
Cleaned out hanger from 4793' to 4805'.Tested lap to 250 (ok). (1.5 hrs)
Tripped in hole to 7678'. (1.5 hrs)
Cleaned out dart,float cement and shoe from 7678' to 7723'. (3 hrs)
Circulated hole clean. (1.5 hrs)
Changed over hole from mud to water. (2.5 hrs)

Comments: Tripped in hole with 12 1/4" bit,tagged cement @4676'.Cleaned out cement from 4676' to lap @ 4793'.Circulated clean and tested lap to 250 psi (ok).Tripped out of hole and laid down 12 1/4" bit.Made up 8 1/2" bit and stabalizer,tripped in hole to 4793'.Cleaned out hanger from 4793' to 4805'.Tested lap to 250 (ok).Tripped in hole to 7678'.Cleaned out dart,float cement and shoe from 7678' to 7723'.Circulated hole clean.Changed over hole from mud to water.

Mud Data: None

Surveys: None

Daily Costs ($):	42,695	**Well Costs ($):**	8,423,518		
Drilling Days:	96	**Completion Days:**	0	**Workover Days:**	0

13-Apr-09

Current Depth (ft): 7,723 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Rigged up for air operations.Opened master valve.Made up bha,tripped in hole to 2000'.Staged in @ 2000'.

Operation Summary:

Changed over hole from mud to water. (1 hrs)
Tripped out of hole,emptied pits. (5 hrs)
Closed master valve,cleaned pits,and stabbed blooie line. (11 hrs)
Nippled up blooie line,rigged up for air operations. (7 hrs)

Comments: Changed over hole from mud to water.Tripped out of hole,emptied pits.Closed master valve,cleaned pits,and stabbed blooie line.Nippled up blooie line,rigged up for air operations.

Mud Data: None

Surveys: None

Daily Costs ($):	45,045	**Well Costs ($):**	8,468,563		
Drilling Days:	97	**Completion Days:**	0	**Workover Days:**	0

14-Apr-09

Current Depth (ft): 7,723 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: 0000-0600 Ran in the hole cleaning drill pipe with air every 2000' to 6550'. Unloaded water at 6550'. Continued on in the hole blowing down at 7015'.

Operation Summary:

Rigged up blooie line. (2 hrs)

Made up new bit and bottom hole assembly. (2 hrs)
Installed new rotating rubber. (1 hrs)
Staged in the hole blowing water out of the hole with air to 6031', pressured up. (10 hrs)
Pulled out of the hole to 5176' and attempted to unplug the drill string. (2 hrs)
Pulled out of the hole and cleaned out 3' of cement off top of the float. (4.383 hrs)
Made bottom hole assembly back up and ran in the hole beating on drill pipe and clearing with air to 3400'. (2.617 hrs)

Comments: Rigged up the blooie line. Made up new 8 1/2" bit and bottom hole assembly. Staged in the hole unloading water out of the wellbore with air to 6031'. Pressured up at 6031'. Pulled out of the hole and unpluged cement from top of the float. Ran back the hole beating on the drill pipe and clearing with air to 3400'.

Mud Data: None

Surveys: None

Daily Costs ($): 83,235 **Well Costs ($):** 8,551,798

Drilling Days: 98 **Completion Days:** 0 **Workover Days:** 0

15-Apr-09

Current Depth (ft): 8,044 **Hole Drilled (ft):** 321 **Ave ROP:** 24.7

Current Ops: 0000-0600 Drilled 8 1/2" hole with air to 8222' taking a directional wireline survey at 8008'.

Operation Summary:

Continued staging in the hole blowing well down to bottom at 7723'. (9 hrs)
Attempted to center the blowout preventers. (1 hrs)
Drilled and worked piece of float shoe down from 7723' to 7742'. (2 hrs)
Drilled 8 1/2" hole with air from 7742' to 7840'. (4 hrs)
Blew hole clean and took wireline directional survey at 7791'. (1 hrs)
Continued to drill 8 1/2" hole to 8044'. (7 hrs)

Comments: Continued staging in the hole blowing hole down with air to bottom at 7723'. Drill 8 1/2" hole with air from 7723' to 80'44' taking a directional wireline survey at at 7791'.

Mud Data: None

Surveys: 7660ft - 18.6 deg Inc, 25.1 deg Az; 7791ft - 18 deg Inc, 23.9 deg Az; 8008ft - 18.2 deg Inc, 30.6 deg Az;

Daily Costs ($): 71,416 **Well Costs ($):** 8,623,214

Drilling Days: 99 **Completion Days:** 0 **Workover Days:** 0

16-Apr-09

Current Depth (ft): 8,684 **Hole Drilled (ft):** 640 **Ave ROP:** 32.8

Current Ops: 0000-0600 Drillied 8 1/2" hole from 8684' to 8746'. Blew and cleaned the hole. Pulled out of the hole with bit #14.

Operation Summary:

Drilled 8 1/2" hole with air from 8044' to 8064'. (0.5 hrs)
Blew hole clean and took directional wireline survey at 8008'. (1.5 hrs)
Drilled 8 1/2" hole from 8064' to 8285'. (6.5 hrs)
Blew hole clean and took directional wireline survey at 8189'. (1 hrs)
Drilled 8 1/2" hole from 8285' to 8438'. (5.5 hrs)
Blew hole clean and took directional wireline survey at 8382'. (1 hrs)
Drilled 8 1/2" hole from 8438' to 8654'. (6 hrs)
blew hole clean and took directional wireline survey at 8598'. (1 hrs)
Drilled 8 1/2" hole from 8654' to 8684'. (1 hrs)

Comments: Drilled 8 1/2" hole with air from 8044' to 8684' taking directional wireline surveys at 8008',8289',8382 and 8598'.

Mud Data: None

Surveys: 8229ft - 17.7 deg Inc, 27 deg Az; 8438ft - 18.2 deg Inc, 27.6 deg Az;

Daily Costs ($): 61,892 **Well Costs ($):** 8,685,106

	Drilling Days:	100	**Completion Days:**	0	**Workover Days:**	0

17-Apr-09

Current Depth (ft):	8,746	**Hole Drilled (ft):**	62	**Ave ROP:**	41.3

Current Ops: 0000-0600 Reamed from 8613' to 8746'. Drilled 8 1/2' hole with air from 8746' to 8875'. Blew and cleaned hole for directional wireline survey.

Operation Summary:

Drilled 8 1/2" hole with air from 8684' to 8646'. (1.5 hrs)

Blew hole clean for trip. (0.5 hrs)

Pulled out of the hole with bit #14. (8 hrs)

Cleared floor and measured drill pipe to be picked up. (1 hrs)

Made up bit #15 and new bottom hole assembly. (Installed corrosion rings in top of the BHA and in the top of the savor sub) (3 hrs)

Slipped and cut the drilling line. (1.5 hrs)

Serviced the rig. (0.5 hrs)

Ran in the hole picking up 67 joints of 20# E drill pipe. (3.5 hrs)

Cleared new pipe picked up with air. (0.5 hrs)

Ran in the hole laying down 24 joints of G-105 drilll pipe out of the derrick to drill with. Tagged bridge at 8613'. (4 hrs)

Comments: Drilled 8 1/2" hole with air from 8684' to 8746'. Blew hole clean. Pulled out of the hole with bit #14. Gauged and changed out all stabs,(all stabs were out from 1/16" to 1/8"). Made up new 8 1/2" bit #15 and ran rest of the bottom hole assembly. Slipped and cut the drilling line. Serviced the rig. Continued in the hole picking up 67 joints of 20#E drill pipe on bottom. Ran in the hole with drill pipe out of the derrick laying down 25 joints to drill with. Tagged bridge at 8613'.

Mud Data: None

Surveys: 8598ft - 17.8 deg Inc, 23.6 deg Az;

Daily Costs ($):	64,582	**Well Costs ($):**	8,749,688		
Drilling Days:	101	**Completion Days:**	0	**Workover Days:**	0

18-Apr-09

Current Depth (ft):	9,319	**Hole Drilled (ft):**	573	**Ave ROP:**	28.7

Current Ops: 0000-0600 Took directional wireline survey at 9263'. Continued drilling 8 1/2" hole to 9350', started seeing excessive torque. Blew hole clean and started pulling out of the hole.

Operation Summary:

Reamed from 8613' to bottom at 8746'. (1.5 hrs)

Drilled 8 1/2" hole with air from 8746' to 8875'. (4 hrs)

Blew the hole clean and took directional wireline survey at 8819'. (1 hrs)

Drilled 8 1/2" hole from 8875' to 9097'. (8 hrs)

Blew the hole clean and took directional wireline survey at 9041'. (1 hrs)

Drilled 8 1/2" hole from 9097' to 9319'. (8 hrs)

Blew the hole clean for survey. (0.5 hrs)

Comments: Reamed from 8613' to bottom at 8746'. Drilled 8 1/2" hole with air from 8746' to 9319' taking directional wireline surveys at 8819' and 9041'.

Mud Data: None

Surveys: 8819ft - 17.2 deg Inc, 23.9 deg Az; 9041ft - 16.5 deg Inc, 24.5 deg Az; 9263ft - 16.5 deg Inc, 28.5 deg Az;

Daily Costs ($):	64,036	**Well Costs ($):**	8,813,724		
Drilling Days:	102	**Completion Days:**	0	**Workover Days:**	0

19-Apr-09

Current Depth (ft):	9,350	**Hole Drilled (ft):**	31	**Ave ROP:**	20.7

Current Ops: 0000-0600 Finished pulling out of the hole with magnet and junk sub, no bolts recovered, just a piece of wire. Ran in the hole with new bottom hole assembly to 7000'.

Operation Summary:

Took directional wireline survey at 9263'. (0.5 hrs)
Laid out 8 joint of drill pipe out of the derrick to drill with. (0.5 hrs)
Drilled 8 1/2" hole with air from 9319' to 9350', started seeing excessive torque. (1.5 hrs)
Pulled out of the hole with bit #15. Note: lost all the bolts off the rotating rubber assembly. (7.5 hrs)
Made up bit #16 and new stabs and stood back in the derrick. (1.5 hrs)
Picked and made up 20# E drill pipe in the mousehole and stood back in the derrick. (2 hrs)
Made up magnet and junk sub and ran in the hole to 9320'. (6 hrs)
Washed to bottom at 9350'. (1 hrs)
Worked magnet and junk sub. (1 hrs)
Pulled out of the hole with magnet and junk sub. to 473'. (2.5 hrs)

Comments: Took directional wireline survey at 9263'. Drilled 8 1/2" hole with air form 9319' to 9350', started seeing high torque. Blew hole clean. Pulled out of the hole with bit #15. Pulled rotating rubber, Note: all 8 bolts were missing off the rotating rubber. Made up new bit and changed out stabs on the bottom hole assembly and stood back in the derrick. Picked up 20# E drill pipe in the mouse hole and stood back in the derrick. Made up 8" magnet and junk sub and ran in the hole to 9320'. Washed to bottom at 9350'. Worked bottom with magnet and junk sub. Pulled out of the hole to 473'.

Mud Data: None

Surveys: None

Daily Costs ($):	61,756	**Well Costs ($):**	8,875,480		
Drilling Days:	103	**Completion Days:**	0	**Workover Days:**	0

20-Apr-09

Current Depth (ft):	9,350	**Hole Drilled (ft):**	0	**Ave ROP:**	

Current Ops: 0000-0000 Finished running in the hole with magnet and junk sub to 9350'. Worked junk with magnet. Pulled out of the hole.

Operation Summary:

Pulled out of the hole with magnet and junk sub, no recovery. Laid down magnet and junk sub. (2 hrs)
Made up bit #16 and new bottom hole assembly and ran in the hole to 9302'. (6 hrs)
Ream from 9302' to bottom and top of junk at 9350'. (1 hrs)
Worked junk with bit. Stuck pipe. (0.5 hrs)
Worked stuck pipe . Pipe came free. (2.5 hrs)
Pulled out of the hole broke down bottom hole assembly, lost all cones off bit #16 and the float and totco ring. (8 hrs)
Made up magnet and junk sub and ran in the hole to 2236'. (4 hrs)

Comments: Pulled out of the hole with magnet and junk sub. no recovery. Made up Bit #16 and new bottom hole assembly and ran in the hole to 9302'. Reamed to bottom and top of the junk at 9350'. Worked junk on bottom with bit. Pipe stuck worked stuck pipe Worked pipe free. Pulled out of the hole, all cones gone off of the bit and lost the float and the totco ring. Made up magnet and junk sub and ran in the hole to 2236'.

Mud Data: None

Surveys: None

Daily Costs ($):	86,289	**Well Costs ($):**	8,961,769		
Drilling Days:	104	**Completion Days:**	0	**Workover Days:**	0

21-Apr-09

Current Depth (ft):	9,350	**Hole Drilled (ft):**	0	**Ave ROP:**	

Current Ops: 00:00 to 06:00 Ran in the hole with an 8 1/2" mill and started milling on the cones at 9350'.

Operation Summary:

Ran in the hole with an 8" magnet to 9350'. (4 hrs)
Worked the magnet on the junk in the hole at 9350'. (1 hrs)
Pulled out of the hole with the magnet. (5 hrs)
Cleaned off the magnet and the junk sub. Recovered Float parts and the totco ring. (1 hrs)
Ran in the hole for a second run with the 8" magnet. (4 hrs)

Circulated and worked the magnet over the fish at 9350'. (1 hrs)
Pulled out of the hole with the magnet. (5 hrs)
Cleaned off the magnet and the junk sub. Recovered one small piece of the float. (1 hrs)
Made up an 8 1/2" mill and ran in the hole. (2 hrs)

Comments: Ran in the hole with an 8" magnet to 9350'. Worked the magnet on the junk in the hole at 9350'. Pulled out of the hole with the magnet. Cleaned off the magnet and the junk sub. Recovered Float parts and the totco ring. Ran in the hole for a second run with the 8" magnet. Circulated and worked the magnet over the fish at 9350'. Pulled out of the hole with the magnet. Cleaned off the magnet and the junk sub. Recovered one small piece of the float. Made up an 8 1/2" mill and ran in the hole.

Mud Data: None

Surveys: None

Daily Costs ($):	60,085	**Well Costs ($):**	9,021,854	
Drilling Days:	105	**Completion Days:**	0	**Workover Days:** 0

22-Apr-09

Current Depth (ft):	9,350	**Hole Drilled (ft):**	0	**Ave ROP:**

Current Ops: 00:00 to 06:00 Pulled out of the hole and recovered a very small amount of metal.

Operation Summary:

Ran in the hole with the 8 1/2" mill. (3 hrs)
Circulated the hole clean. Lifted a small amount of water. (0.5 hrs)
Milled on fish from 9347' to 9350'. (6 hrs)
Pulled out of the hole with the 8 1/2" mill. The mill was completely worn out. (6.5 hrs)
Slip and cut the drilling line and serviced the rig. (1.5 hrs)
Ran in the hole with an 8" magnet to 9309'. (5.5 hrs)
Circulated hole clean at 9350'. (0.5 hrs)
Worked the magnet over the cones at 9350'. (0.5 hrs)

Comments: Ran in the hole with the 8 1/2" mill. Circulated the hole clean. Lifted a small amount of water. Milled on fish from 9347' to 9350'. Pulled out of the hole with the 8 1/2" mill. The mill was completely worn out. Slip and cut the drilling line and serviced the rig. Ran in the hole with an 8" magnet to 9309'. Circulated hole clean at 9350'. Worked the magnet over the cones at 9350'.

Mud Data: None

Surveys: None

Daily Costs ($):	49,192	**Well Costs ($):**	9,071,046	
Drilling Days:	106	**Completion Days:**	0	**Workover Days:** 0

23-Apr-09

Current Depth (ft):	9,350	**Hole Drilled (ft):**	0	**Ave ROP:**

Current Ops: 00:00 to 06:00 Ran in with an 8 1/2" mill to 7438' and slippand cut the drilling line.

Operation Summary:

Pulled out of the hole with the 8" magnet. Recovered a very small amount of metal. Laid down the magnet. (5.5 hrs)
Serviced the rig. (0.5 hrs)
Ran in the hole with the 8 1/2" concave mill # 2 to 9350'. (7 hrs)
Milled on the cones from 9350' to 9351'. (5 hrs)
Pulled out of the hole with mill # 2. Recovered 2 cups of metal from the cones in the junk sub. (5.5 hrs)
Made up the 8 1/2" concave mill # 3 and started running in the hole. (0.5 hrs)

Comments: Pulled out of the hole with the 8" magnet. Recovered a very small amount of metal. Laid down the magnet. Serviced the rig. Ran in the hole with the 8 1/2" concave mill # 2 to 9350'. Milled on the cones from 9350' to 9351'. Pulled out of the hole with mill # 2. Recovered 2 cups of metal from the cones in the junk sub. Made up the 8 1/2" concave mill # 3 and started running in the hole.

Mud Data: None

Surveys: None

Daily Costs ($): 56,759 **Well Costs ($):** 9,127,805

Drilling Days: 107 **Completion Days:** 0 **Workover Days:** 0

24-Apr-09

Current Depth (ft): 9,350 **Hole Drilled (ft):** 0 **Ave ROP:**

Current Ops: 00:00 to 06:00 Milled on bit cones at 9351'. Started pulling out of the hole.

Operation Summary:

Ran in the hole with the 8 1/2" concave mill # 3 to 7438'. (3 hrs)
Slip and cut the drilling and serviced the rig. (2 hrs)
Ran in the hole with mill # 3 to 9309'. (0.5 hrs)
Circulated well dry. (0.5 hrs)
Milled on bit cones at 9351'. (6 hrs)
Pulled out of the hole with the mill. Recovered a small amount of metal in the junk sub. (5 hrs)
Ran in the hole with the 8 1/2" concave mill # 4 to 9309'. (6 hrs)
Milled on bit cones at 9351'. (1 hrs)

Comments: Ran in the hole with the 8 1/2" concave mill # 3 to 7438'. Slip and cut the drilling and serviced the rig. Ran in the hole with mill # 3 to 9309'. Circulated well dry. Milled on bit cones at 9351'. Pulled out of the hole with the mill. Recovered a small amount of metal in the junk sub. Ran in the hole with the 8 1/2" concave mill # 4 to 9309'. Milled on bit cones at 9351'.

Mud Data: None

Surveys: None

Daily Costs ($): 64,734 **Well Costs ($):** 9,192,539

Drilling Days: 108 **Completion Days:** 0 **Workover Days:** 0

25-Apr-09

Current Depth (ft): 9,350 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: 00:00 to 06:00 Cleaned off the magnet and junk sub and ran in the hole with the magnet.

Operation Summary:

Milled on bit cones at 9351'. (6.5 hrs)
Pulled out of the hole with the 8 1/2" mill # 4. Recovered some cone inserts in the junk sub. (4.5 hrs)
Made up the junk sub and a 8" magnet. (1 hrs)
Tightened a hydraulic leak on the BOP. (1 hrs)
Ran in the hole with an 8" magnet to 9351'. (5.5 hrs)
Circulated and pumped soap sweeps then worked the magnet over the bit cones at 9351'. (1 hrs)
Pulled out of the hole with the magnet. Recovered to bit cones. (4.5 hrs)

Comments: Milled on bit cones at 9351'. Pulled out of the hole with the 8 1/2" mill # 4. Recovered some cone inserts in the junk sub. Made up the junk sub and a 8" magnet. Tightened a hydraulic leak on the BOP. Ran in the hole with an 8" magnet to 9351'. Circulated and pumped soap sweeps then worked the magnet over the bit cones at 9351'. Pulled out of the hole with the magnet. Recovered to bit cones.

Mud Data: None

Surveys: None

Daily Costs ($): 45,990 **Well Costs ($):** 9,238,529

Drilling Days: 109 **Completion Days:** 0 **Workover Days:** 0

26-Apr-09

Current Depth (ft): 9,350 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: 00:00 to 06:00 Pulled out of the hole with the magnet. There was no recovery of any metal on the magnet or junk sub. Made up the drilling assembly and started running in the hole.

Operation Summary:

Cleaned out junk sub and the magnet recovering 2 bit cones and a few bearings. (1 hrs)

Ran in the hole with the 8" magnet to 9351'. (5.5 hrs)
Circulated and worked the magnet on the bit cone at 9351'. (1.5 hrs)
Pulled out of the hole and recovered the last bit cone. (4 hrs)
Ran in the hole with the 8" magnet to 7628'. (4 hrs)
Slipped and cut drilling line and serviced the rig. (1.5 hrs)
Ran in the hole with the 8" magnet to 9351'. (1 hrs)
Circulated at 9351' and pumped two soap sweeps and worked magnet on bottom. (1.5 hrs)
Pulled out of the hole with the 8" magnet. (4 hrs)

Comments: Cleaned out junk sub and the magnet recovering 2 bit cones and a few bearings. Ran in the hole with the 8" magnet to 9351'. Circulated and worked the magnet on the bit cone at 9351'. Pulled out of the hole and recovered the last bit cone. Ran in the hole with the 8" magnet to 7628'. Slipped and cut drilling line and serviced the rig. Ran in the hole with the 8" magnet to 9351'. Circulated at 9351' and pumped two soap sweeps and worked magnet on bottom. Pulled out of the hole with the 8" magnet.

Mud Data: None

Surveys: None

Daily Costs ($):	45,363	**Well Costs ($):**	9,283,892		
Drilling Days:	110	**Completion Days:**	0	**Workover Days:**	0

27-Apr-09

Current Depth (ft):	9,464	**Hole Drilled (ft):**	114	**Ave ROP:**	15.2

Current Ops: 00:00 to 06:00 Work stuck pipe.

Operation Summary:

Laid down the 8" magnet and junk sub with no metal recovered. (1 hrs)
Made up 8 1/2" drilling assembly and ran in the hole to 9264'. (8 hrs)
Reamed from 9264' to 9350'. (3 hrs)
Drill from 9350 ft to 9463 ft. Steam entries at 9437,9443,9457 totaling 100 psi. and 59 deg F increase. (7.5 hrs)
Pulled up to make a conection and H2s alams went off due to rotating rubber going out. Changed rotating rubber and pipe was stuck. (1 hrs)
Work stuck pipe from 9391' to 9364. (3.5 hrs)

Comments: Laid down the 8" magnet and junk sub with no metal recovered. Made up 8 1/2" drilling assembly and ran in the hole to 9264'. Reamed from 9264' to 9350'. Drill from 9350 ft to 9463 ft. Steam entries at 9437,9443,9457 totaling 100 psi. and 59 deg F increase. Pulled up to make a conection and H2s alams went off due to rotating rubber going out. Changed rotating rubber and pipe was stuck. Work stuck pipe from 9391' to 9364.

	Steam (#/hr)	H2s (ppm)	H2s (#/hr)	NH3 (ppm)	NH3 (#/hr)
Restricted air on =	33,000	437	14.4	519	17.1
Unrestricted	50,500				

Mud Data: None

Surveys: None

Daily Costs ($):	86,352	**Well Costs ($):**	9,370,244		
Drilling Days:	111	**Completion Days:**	0	**Workover Days:**	0

28-Apr-09

Current Depth (ft):	9,464	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: Removed double gate and venturi spool.Installed new double gate and spider spool.

Operation Summary:

Worked stuck pipe from 9391' to 9364'. (17 hrs)
Pipe twisted off while rotating @ 9391'.Fish in hole bha + 24 stands dp =2783'. (0.5 hrs)
Tripped out of hole,twisted off drill pipe @ 6586'. (3 hrs)
Removed bolts from venturi spool and double gate. (3.5 hrs)

Comments: Worked stuck pipe from 9391' to 9364'.Pipe twisted off while rotating @ 9391'.Fish in hole bha + 24 stands=2783'.Tripped out of hole,twisted off drill pipe @ 6586'.Removed bolts from venturi spool and double gate.

Restricted air on 33,000 #/hr H2S(ppm) 437 H2S(#/hr) 14.4 NH3(ppm) 519 NH3(#/hr) 17.1
Restricted air off 33,000 #/hr H2S(ppm) 1748 H2S(#/hr) 57.7 NH3(ppm) 519 NH3(#/hr) 17.1
Unrestricted 50,500 #/hr H2S(ppm) 1748 H2S(#/hr) 127.6 NH3(ppm) 519 NH3(#/hr) 26.2

Mud Data: None

Surveys: None

Daily Costs ($):	72,488	**Well Costs ($):**	9,442,732		
Drilling Days:	112	**Completion Days:**	0	**Workover Days:**	0

29-Apr-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Tripped out of hole with overshot.Skirt on overshot collapsed causing gain in weight.Laid down overshot.Waited on fishing tools.

Operation Summary:

Changed out venturi spool with spider spool.Changed out double gate.Repaired leaks at muffler flange and blooie line valve. (14 hrs)
Picked up and made up overshot and,bumper sub, and jars. (2 hrs)
Made up rbop,held safety meeting,and opened well. (2 hrs)
Tripped in hole to 6575'. (3.5 hrs)
Worked overshot from 6575' to 6580'.Gained 5000 lbs. (1 hrs)
Tripped out of hole with overshot. (1.5 hrs)

Comments: Changed out venturi spool with spider spool.Changed out double gate.Repaired leaks at muffler flange and blooie line valve.Picked up and made up overshot and,bumper sub, and jars.Made up rbop,held safety meeting,and opened well.Tripped in hole to 6575'.Worked overshot from 6575' to 6580'.Gained 5000 lbs.Tripped out of hole with overshot.

Restricted air on 24,500 #/hr H2S(ppm) 250 H2S(#/hr) 6.1 NH3(ppm) 519 NH3(#/hr) 12.7
Restricted air off 24,500 #/hr H2S(ppm) 1845 H2S(#/hr) 45 NH3(ppm) 519 NH3(#/hr) 12.7
Unrestricted 33,600 #/hr H2S(ppm) 1845 H2S(#/hr) 62 NH3(ppm) 519 NH3(#/hr) 17.4

Mud Data: None

Surveys: None

Daily Costs ($):	67,729	**Well Costs ($):**	9,510,461		
Drilling Days:	113	**Completion Days:**	0	**Workover Days:**	0

30-Apr-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Tripped out of hole with 6 3/4" swedge.Installed 6 5/8" swedge and tripped in hole.

Operation Summary:

Tripped out of hole with fishing tools.Discovered overshot skirt damage due to collapsed casing causing 5000 lbs. weight gain when pulling off bottom.Laid down fishing tools.Shut in well. (4 hrs)
Serviced rig. (0.5 hrs)
Waited on swedges. (10.5 hrs)
Made up 6 3/4" swedge,installed rbop. (2 hrs)
Held safety meeting and opened well. (1 hrs)
Tripped in hole with swedge,tagged @ 6610'. (4 hrs)
Swedged down on casing from 6610' to 6613'. (1 hrs)
Tripped out of hole. (1 hrs)

Comments: Tripped out of hole with fishing tools.Discovered overshot skirt damage due to collapsed casing causing 5000 lbs. weight gain when pulling off bottom.Laid down fishing tools.Shut in well.Serviced rig.Waited on swedges. Made up 6 3/4" swedge,installed

rbop.Held safety meeting and opened well.Tripped in hole with swedge,tagged @ 6610'.Swedged down on casing from 6610' to 6613'.Tripped out of hole.

Restricted air on 24,500 #/hr H2S(ppm) 250 H2S(#/hr) 6.1 NH3(ppm) 519 NH3(#/hr) 12.7
Restricted air off 24,500 #/hr H2S(ppm) 1745 H2S(#/hr) 42.8 NH3(ppm) 519 NH3(#/hr) 12.7
Unrestricted 33,600 #/hr H2S(ppm) 1745 H2S(#/hr) 58.6 NH3(ppm) 519 NH3(#/hr) 17.4

Mud Data: None
Surveys: None

Daily Costs ($):	82,156	**Well Costs ($):**	9,592,617		
Drilling Days:	114	**Completion Days:**	0	**Workover Days:**	0

01-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Tripped out with 7 1/2" swedge.Tripped in with 8 1/2" swedge.Swedged casing to 8 1/2" from 6605' to 6621'.

Operation Summary:

Tripped out with 6 3/4" swedge. (3 hrs)
Tripped in with 6 5/8" swedge. (5 hrs)
Swedged casing to 6 5/8' from 6605' to 6621'.Tagged top of fish @ 6707'. (1 hrs)
Tripped out with 6 5/8" swedge. (2.5 hrs)
Tripped in hole with 6 3/4" swedge. (3 hrs)
Swedged casing to 6 3/4" from 6605' to 6621'. (0.5 hrs)
Tripped out with 6 3/4" swedge. (3 hrs)
Tripped in hole with 7 1/2" swedge. (4.5 hrs)
Swedged casing to 7 1/2" from 6605' to 6621'. (0.5 hrs)
Tripped out with 7 1/2" swedge. (1 hrs)

Comments: Tripped out with 6 3/4" swedge.Tripped in with 6 5/8" swedge.Swedged casing to 6 5/8' from 6605' to 6621'.Tagged top of fish @ 6707'.Tripped out with 6 5/8" swedge.Tripped in hole with 6 3/4" swedge.Swedged casing to 6 3/4" from 6605' to 6621'.Tripped in hole with 6 3/4" swedge.Tripped in hole with 7 1/2" swedge.Swedged casing to 7 1/2" from 6605' to 6621'.Tripped out with 7 1/2" swedge.

Well making 400 bbls.water every 24 hrs.

Restricted air on 15,800 #/hr H2S(ppm) 250 H2S(#/hr) 6.1 NH3(ppm) 519 NH3(#/hr) 12.7
Restricted air off 15,800 #/hr H2S(ppm) 1829 H2S(#/hr) 28.9 NH3(ppm) 519 NH3(#/hr) 12.7
Unrestricted 20,200 #/hr H2S(ppm) 1829 H2S(#/hr) 28.9 NH3(ppm) 519 NH3(#/hr) 17.4

Mud Data: None
Surveys: None

Daily Costs ($):	64,312	**Well Costs ($):**	9,656,929		
Drilling Days:	115	**Completion Days:**	0	**Workover Days:**	0

02-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Nippled up bop,alligned and nippled up blooie line.Repaired crack in blooie line.

Operation Summary:

Tripped out with 7 1/2" swedge. (2.5 hrs)
Tripped in with 8 1/2" swedge. (3.5 hrs)
Swedged casing to 8 1/2" from 6605' to 6621'. (1 hrs)

Tripped out with 8 1/2" swedge. (4 hrs)
Cut and slipped drill line. (1.5 hrs)
Made up overshot and rbop. (1.5 hrs)
Attempted to open slab gate and master valve.Discovered slab gate not fuctioning and master valve handle retainer nut stripped out.attempted to repair nut and slab gate. (5 hrs)
Nippled down blooie line and slab gate. (5 hrs)

Comments: Tripped out with 7 1/2" swedge.Tripped in with 8 1/2" swedge.Swedged casing to 8 1/2" from 6605' to 6621'.Tripped out with 8 1/2" swedge.Cut and slipped drill line.Made up overshot and rbop.Attempted to open slab gate and master valve.Discovered slab gate not fuctioning and master valve handle retainer nut stripped out.attempted to repair nut and slab gate.Nippled down blooie line and slab gate.While nippling down blooie line,blooie line cracked on 20" section by blooie line stand about 2/3 around pipe.

Well made 200 bbls.water in 24 hrs.

Restricted air on 15,800 #/hr H2S(ppm) 250 H2S(#/hr) 6.1 NH3(ppm) 519 NH3(#/hr) 8.2
Restricted air off 15,800 #/hr H2S(ppm) 1829 H2S(#/hr) 28.9 NH3(ppm) 519 NH3(#/hr) 8.2
Unrestricted 20,200 #/hr H2S(ppm) 1829 H2S(#/hr) 36.9 NH3(ppm) 519 NH3(#/hr) 10.5

Mud Data: None
Surveys: None

Daily Costs ($):	65,392	**Well Costs ($):**	9,722,321		
Drilling Days:	116	**Completion Days:**	0	**Workover Days:**	0

03-May-09

Current Depth (ft):	9,464	**Hole Drilled (ft):**	**Ave ROP:**

Current Ops: Latched onto fish with 7 3/8" overshot,gained 25,000 lbs.hookload(approx 14 stands dp).Tripped out with piece of fish.

Operation Summary:

Nippled up bop and blooie line.Set in mousehole. (5 hrs)
Tightened blooie line.Alligned and welded crack in blooie line. (5.5 hrs)
Tripped in with 8 1/8" overshot. (3.5 hrs)
Attempted to work overshot through bad spot @ 6605',no good. (0.5 hrs)
Tripped out of hole with 8 1/8" overshot. (3.5 hrs)
Blowed down well,waited on 7 3/8" overshot. (2 hrs)
Tripped in with 7 3/8" overshot. (4 hrs)

Comments: Nippled up bop and blooie line.Set in mousehole.Tightened blooie line.Alligned and welded crack in blooie line.Tripped in with 8 1/8" overshot.Attempted to work overshot through bad spot @ 6605',no good.Tripped out of hole with 8 1/8" overshot.Blowed down well,waited on 7 3/8" overshot.Tripped in with 7 3/8" overshot.

Well made 100 bbls.water in 24 hrs.

Restricted air on 15,800 #/hr H2S(ppm) 250 H2S(#/hr) 6.1 NH3(ppm) 519 NH3(#/hr) 8.2
Restricted air off 15,800 #/hr H2S(ppm) 1829 H2S(#/hr) 28.9 NH3(ppm) 519 NH3(#/hr) 8.2
Unrestricted 20,200 #/hr H2S(ppm) 1829 H2S(#/hr) 36.9 NH3(ppm) 519 NH3(#/hr) 10.5

Mud Data: None
Surveys: None

Daily Costs ($):	58,042	**Well Costs ($):**	9,780,363		
Drilling Days:	117	**Completion Days:**	0	**Workover Days:**	0

04-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Tripped out with string mill,Cut straps and laid down mill.Made up 8 1/2" concave mill and tripped in hole.

Operation Summary:

Worked 7 3/8" overshot over fish @ 6707'. (0.5 hrs)
Tripped out of hole with partial fish,laid down overshot. (5.5 hrs)
Laid down fish(49 1/2 jts.drill pipe).Fish in hole=22 1/2 jts dp + bha =1231'. (4.5 hrs)
Repaired master valve. (1.5 hrs)
Made up and welded straps onto 8 1/2" string mill.Tripped in to 6575'. (8 hrs)
Milled and dressed casing f/6575' to 6580',and 6605' to 6621'. (2 hrs)
Tripped in to 7720'. (1 hrs)
Tripped out with 8 1/2" string mill. (1 hrs)

Comments: Worked 7 3/8" overshot over fish @ 6707'.Tripped out of hole with partial fish,laid down overshot.Laid down fish(49 1/2 jts.drill pipe).Fish in hole=22 1/2 jts dp + bha =1231'.Repaired master valve.Made up and welded straps onto 8 1/2" string mill.Tripped in to 6575'.Milled and dressed casing f/6575' to 6580',and 6605' to 6621'.Tripped in to 7720'.Tripped out with 8 1/2" string mill.

Mud Data: None

Surveys: None

Daily Costs ($):	80,104	**Well Costs ($):**	9,860,467		
Drilling Days:	118	**Completion Days:**	0	**Workover Days:**	0

05-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Worked 8 1/2" mill down to 8240'. Pulled out of the hole with 8 1/2" milling assembly. Mill had wear only on the outside edge, all indications that mill was going down along side of the fish. Slipped and cut the drilling line. Serviced the rig

Operation Summary:

Pulled out of the hole with string mill assembly. Shut the well in. Ground straps off and laid down string mill assembly. (3.5 hrs)
Made up 8 1/2" concaved mill assembly. Changed out worn rotating rubber for new one. (2.5 hrs)
Opened well and let it stabilize. (0.5 hrs)
Ran in the hole with 8 1/2" milling assembly tagging top of the fish at 8230'. (3 hrs)
Milled on fish from 8230' to 8235', Mill slid from 8235' to 8240'. (2 hrs)
Pulled out of the hole with 8 1/2" milling assembly. Closed well in. Note: mill was worn on the outside edge, there was no wear in the middle. (4 hrs)
Serviced the rig and cleared off rig floor. (1 hrs)
Made up 8 1/2" milling assembly and installed new rotating rubber. (1 hrs)
Ran in the hole with 8 1/2" milling assembly tagging up at 8230'. (4.5 hrs)
Mill on the fish at 8230' (1.5 hrs)
Pulled out of the hole. (0.5 hrs)

Comments: Pulled out of the hole with 8 1/2" string mill assembly. Shut the well in. Ground straps off milling assembly and laid it down. Made up 8 1/2" concave mill assembly. Installed new rotating rubber. Opened and let well stabilize. Ran in the hole with 8 1/2" mill to the top of the fish at 8230'. Mill on fish from 8230' to 8235'. Slid mill from 8235' to 8240'. Pulled out of the hole to look at pattern on 8 1/2" mill. Closed well in. Assessed mill, mill had was only worn on the outside edge, no pattern on the center. Made 8 1/2" mill up and installed rotating rubber. Opened and let well stabilize. Ran in the hole 8235'. Milled down to 8240'. 6" jar, 15 x 6 1/2" drill collars. Total lenth of fish 1,231'.

Restricted air on 21,800 #/hr H2S ppm 953 H2S #/hr 20.8 NH3 ppm 519 NH3 #/hr 11.3
Restricted air off 21,800 #/hr H2S ppm 1862 H2S #/hr 40.6 NH3 ppm

519 NH3 #/hr 11.3
Unrestricted 24,600 #/hr H2S ppm 1862 H2S #/hr 45.8

Mud Data: None

Surveys: None

Daily Costs ($): 76,421 **Well Costs ($):** 9,936,888

Drilling Days: 119 **Completion Days:** 0 **Workover Days:** 0

06-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: 5/7/09 0000-0600 Continue to clean pits and gather water.

Operation Summary:

Pulled out of the hole with 8 1/2" milling assembly. (3 hrs)
Shut the well in. Broke down milling assembly. (1 hrs)
Slipped and cut the drilling line. (1.5 hrs)
Serviced rig. Cleared rig floor. (1 hrs)
Dressed and made up skirted mill. Ran in the hole to 8230'. (8 hrs)
Worked skirted mill from 8230' to 8240' attempting to get over the top of the fish. Milling assembly continued to slide down along side the fish. (1 hrs)
Pulled out of the hole with skirted mill assembly. (6 hrs)
Drained and cleaned mud pits. (2.5 hrs)

Comments: Pulled out of the hole with 8 1/2" milling assembly. Shut the well in and broke down milling assembly. Slipped and cut the drilling line. Cleared the rig floor. Made up 8 1/8" skirted mill. Open the well and ran in the hole to 8230'. Worked skirted mill from 8230' to 8240' trying find and work skirt over the fish. skirted mill continued to slide down along side of the fish. Pulled out of the hole with shirted mill assembly. Shut well in and started cleaning the mud pits.

Note: Fish left in the hole= 22 1/2 Joints of drill pipe Bottom hole assembly consisting of 8 1/2" bit, 4 x stabs, 1 x jar, 1 x monel drill collar, 15 x 6 1/2"drill collars. total lenth of 1231'

Mud Data: None

Surveys: None

Daily Costs ($): 204,315 **Well Costs ($):** 10,141,200

Drilling Days: 120 **Completion Days:** 0 **Workover Days:** 0

07-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: May 8, 09 0000-0600 hrs. Ran in the hole with 8 1/2" swage and stab to gauge the hole for the inflatable packer to 7700'. (Rabbited and measured the drill pipe)

Operation Summary:

Cleaned mud pits. (7 hrs)
Held safety tailboard. (0.5 hrs)
Gathered water and prepared to kill the well. (11.5 hrs)
Made up 8 1/2" swage on the bottom of a 8 1/2" bottom hole stab. Installed rotating rubber. (1 hrs)
Cooled and slow killed the well with graduated pump schedule. (4 hrs)

Comments: Cleaned mud pits. Gathered water and prepared to kill the well. Cooled and slow killed the well with graduated pump rate schedule. Opened the master valve and ran in the hole keeping the well dead with 250 gpm measuring and rabbiting the drill pipe.

Note: Fish left in the hole= 22 1/2 Joints of drill pipe Bottom hole assembly consisting of 8 1/2" bit, 4 x stabs, 1 x jar, 1 x monel drill collar, 15 x 6 1/2"drill collars. total lenth of 1231'

Mud Data: None

Surveys: None

	Daily Costs ($):	45,688	**Well Costs ($):**		10,186,890	
	Drilling Days:	121	**Completion Days:**	0	**Workover Days:**	0

08-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: May. 9, 09 0000-0600 hrs: Pulled out of the hole with packer setting tool.

Operation Summary:

Ran in the hole with 8 1/2" swage and stab measuring and rabbiting the drill pipe to 7700' (gauge run). Pulled out of the hole and laid down gauging assembly. (6 hrs)

Pulled out of the hole and laid down gauging assembly. (6 hrs)

Unpacked and ran in the hole with inflatable packer to 7669'. (8 hrs)

Attempted to set the packer, packer would not set. Packer would go down the hole but would not come up the hole. Ran packer down and partially out the shoe at 7725'. Pack stopped and and we were able to get off of it. (3 hrs)

Started out of the hole with packer setting tool. (1 hrs)

Comments: Ran in the hole with 8 1/2" swage and stab measuring and rabbiting the drill pipe to 7700' (gauge run). Pulled out of the hole and laid down gauging assembly. Unpacked and made up inflatable packer. Ran in the hole to 7669'. Attempted to set the packer, packer would not set. Packer would go down the hole but would not come up the hole. Ran packer down and partially out the shoe at 7725'. Packer stopped and and we were able to get off of it. Started out of the hole with setting tool. (Probably damaged rubber elliment on the packer while running through the bad spots in the casing)
Note: well is being kept dead by pumping 230 gpm down the backside at all times.

Mud Data: None

Surveys: None

Daily Costs ($):	105,611	**Well Costs ($):**		10,292,500		
Drilling Days:	122	**Completion Days:**	0	**Workover Days:**	0	

09-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: May 10, 09 0000-0600 hrs: Continued in the hole with Baker inflatable packer to 7695'. Had tailboard with Haliburton and hands. Rigged up Halliburton. Pumped 31 bbls of water and inflated packer with 1180# of hydrastic pressure. Unscrewed from the packer. Pumped 115 bbls of water ahead. Pump 15 barrels of cement and released dart from the head, displaced with 90 barrels of water and seating dart with 250 psi.

Operation Summary:

Pulled out of the hole with Weatherford packer setting tool. (3 hrs)

Serviced the rig. (0.5 hrs)

Made up and strap welded string mill and stinger . (2 hrs)

Ran in the hole to 6500'. (5.5 hrs)

Worked bad spots in casing from 6500' to 6650'. (Worst spot at 6621') (4.5 hrs)

Pulled out of the hole with string mill assembly. (5.5 hrs)

Serviced the rig. (0.5 hrs)

Unload and make up packer assembly and start in the hole. (2.5 hrs)

Comments: Finished pulling out of the hole with Weatherford packer setting tool. Made up string mill assembly and ran in the hole. Worked bad spots in the casing from 6576' to 6650', worst spot at 6621'. Pulled out of the hole with sting mill assembly and laid it down. Made up 6 1/4" Baker inflatable packer and started in the hole. Note: well is being kept dead by pumping 230 gpm down the wellbore at all times).

Mud Data: None

Surveys: None

Daily Costs ($):	44,588	**Well Costs ($):**		10,337,090		
Drilling Days:	123	**Completion Days:**	0	**Workover Days:**	0	

10-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: May 11, 09 0000-0600 Finished nippling up blowout preventers. Slipped and cut the drilling line.

Operation Summary:

Ran in the hole with Baker inflatable packer to 7695'. (5 hrs)

Inflated packer with top of the packer at 7675'. Pumped 200 lin. ft. cement plug on top of the packer. (2.5 hrs)

Pulled out of the hole with packer setting tool and dart catcher. (4.5 hrs)

Nippled down blowout preventers and installed WKM master valve. Niippled blowout preventers back up. (12 hrs)

Comments: Ran in the hole with 6 1/4" Baker inflatable packer to 7695'. Had tailboard with Haliburton and hands. Rigged up Halliburton. Pumped 31 bbls of water and inflated packer with 1180# of hydrastic pressure. Unscrewed from the packer. Pumped 115 bbls of water ahead. Pump 15 barrels of cement (204 lin.ft.) and released dart from the head, displaced with 90 barrels of water and seating dart in dart catcher with 250 psi. (Top of the packer is at 7675'.) Pulled out of the hole with packer setting tool and dart catcher. Nippled down blooie line and blowout preventers and installed WKM master valve. Nippled blowout preventers back up blanking blooie line and hooking flow line back up.

Mud Data: None

Surveys: None

Daily Costs ($):	130,887	**Well Costs ($):**	10,467,980		
Drilling Days:	124	**Completion Days:**	0	**Workover Days:**	0

11-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: May 12, 09 0000-0600 Cleaned out cement to 7515'. Circulated and mixed mud. Pulled out of the hole.

Operation Summary:

Finished nippling up the blowout preventers. (4 hrs)

Function tested the blowout preventers. (0.5 hrs)

Slipped and cut the drilling line. (1.5 hrs)

Ran the hole with open ended drill pipe tagging the top of the cement at 7428'. (4 hrs)

Washed soft cement out down to 7436'. (1 hrs)

Circulated hole clean. (1 hrs)

Pulled out to 6827' and rigged up wireline truck with collar locator. (1 hrs)

Ran in the hole with wireline through drill pipe tagging top of the cement at 7445' (wireline measurements) (1 hrs)

Pulled out of the hole with open ended drill pipe. (4 hrs)

Made up and ran in the hole with 8 1/2" drilling assembly tagging top of the cement at 7436'. (5 hrs)

Started cleaning out cement from 7436'. (1 hrs)

Comments: Finished nippling up the blowout preventers after installing WKM master valve. Function tested blowout preventers. Slipped and cut the drilling line. Ran in the hole with open ended drill pipe tagging top of the cement plug at 7428'. Washed out soft cement with open ended drill pipe to 7436'. Pulled up to 6827'. Ran wireline collar locator through the drill pipe down to 7445'. Pulled out of the hole with the wireline. Pulled out of the hole with the open ended drill pipe. Made up 8 1/2" bottom hole assembly and tagged top of the cement at 7436'. Started cleaning out cement.

Mud Data: MW: 8.4 Viscosity: 41 Filtrate: 18

Surveys: None

Daily Costs ($):	110,597	**Well Costs ($):**	10,578,570		
Drilling Days:	125	**Completion Days:**	0	**Workover Days:**	0

12-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: 00:00 to 06:00 Ran in the hole to 7515' and circulated clean. Pulled out of the hole with the casing mills.

Operation Summary:

Cleaned out cement to 7515'. (1 hrs)
Circulated and conditioned mud at 7515'. (2 hrs)
Pulled out of the hole and laid down bit # 20. (4 hrs)
Made up the whipstock window mills for a dummy run in the casing. Mills tagged up at 6617' and worked them down to 6622' and could not go any more. (5.5 hrs)
Pulled out of the hole and laid down the whipstock window mills. (4 hrs)
Made up casing mills and welded straps on. Ran in the hole to 6617'. (5.5 hrs)
Milled on casing from 6617' to 6623'. (2 hrs)

Comments: Cleaned out cement to 7515'. Circulated and conditioned mud at 7515'. Pulled out of the hole and laid down bit # 20. Made up the whipstock window mills for a dummy run in the casing. Mills tagged up at 6617' and worked them down to 6622' and could not go any more. Pulled out of the hole and laid down the whipstock window mills. Made up casing mills and welded straps on. Ran in the hole to 6617'. Milled on casing from 6617' to 6623'.

Mud Data: MW: 8.6 Viscosity: 33 Filtrate: 18

Surveys: None

Daily Costs ($):	57,305	**Well Costs ($):**	10,635,880		
Drilling Days:	126	**Completion Days:**	0	**Workover Days:**	0

13-May-09

Current Depth (ft): 9,464 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: 00:00 to 06:00 Ran multiple Gyro runs having tool problems.

Operation Summary:

Ran in the hole from 6623' to 7515' with mills. (0.5 hrs)
Circulated hole clean at 7515'. (1 hrs)
Pulled out of the hole with the casing mills. (4 hrs)
Ran in the hole with the whipstock mills to 7515'. mills went through bad casing at 6617' with no problems. (4 hrs)
Pulled out of the hole and laid down the mill assembly. (4.5 hrs)
Made up the whipstock and ran in the hole to 7505'. (6.5 hrs)
Rigged up the wire line truck and ran a Gyro survey to set the whipstock. (3.5 hrs)

Comments: Ran in the hole from 6623' to 7515' with mills. Circulated hole clean at 7515'. Pulled out of the hole with the casing mills. Ran in the hole with the whipstock mills to 7515'. mills went through bad casing at 6617' with no problems. Pulled out of the hole and laid down the mill assembly. Made up the whipstock and ran in the hole to 7505'. Rigged up the wire line truck and ran a Gyro survey to set the whipstock.

Mud Data: MW: 8.5 Viscosity: 34 Filtrate: 18

Surveys: None

Daily Costs ($):	68,216	**Well Costs ($):**	10,704,100		
Drilling Days:	127	**Completion Days:**	0	**Workover Days:**	0

14-May-09

Current Depth (ft): 7,515 **Hole Drilled (ft):** -1,949 **Ave ROP:**

Current Ops: 00:00 to 06:00 Circulated the hole clean and pulled out of the hole to change the mills.

Operation Summary:

Ran multiple Gyro runs having tool problems. Set the whipstock 40 degrees left of high right. (10.5 hrs)
Milled casing window off the whipstock ramp from 7492' to 7515'. (13.5 hrs)

Comments: Ran multiple Gyro runs having tool problems. Set the whipstock 40 degrees left of high right. Milled casing window off the whipstock ramp from 7492' to 7515'.

Mud Data: MW: 8.5 Viscosity: 70 Filtrate: 17

Surveys: None

Daily Costs ($):	162,722	**Well Costs ($):**	10,866,820		
Drilling Days:	128	**Completion Days:**	0	**Workover Days:**	0

15-May-09

Current Depth (ft): 7,521 **Hole Drilled (ft):** 6 **Ave ROP:**

Current Ops: 00:00 to 06:00 Ran in the hole with a drilling assembly and reamed to 7521'.

Operation Summary:

Circulated hole clean at 7515'. (1 hrs)
Pulled out of the hole and laid down used window mills. (5.5 hrs)
Made up new window mills and ran in the hole to 7492'. (5 hrs)
Milled window from 7492' to 7521'. (5.5 hrs)
Circulated hole clean at 7521'. (0.5 hrs)
Pulled out of the hole and laid down used window mills. (6.5 hrs)

Comments: Circulated hole clean at 7515'. Pulled out of the hole and laid down used window mills. Made up new window mills and ran in the hole to 7492'. Milled window from 7492' to 7521'. Circulated hole clean at 7521'. Pulled out of the hole and laid down used window mills.

Mud Data: MW: 8.7 Viscosity: 45 Filtrate: 14

Surveys: None

Daily Costs ($): 56,424 **Well Costs ($):** 10,923,240

Drilling Days: 129 **Completion Days:** 0 **Workover Days:** 0

16-May-09

Current Depth (ft): 7,642 **Hole Drilled (ft):** 121 **Ave ROP:** 11.5

Current Ops: 00:00 to 06:00 Pulled out of the hole and change the configuration of the drilling assembly. Slip and cut the drilling line and started running in the hole.

Operation Summary:

Made up drilling assembly and ran in the hole to 7494'. (4.5 hrs)
Drilled 8 1/2" hole from 7521' to 7536'. (3 hrs)
Circulated and surveyed at 7510'. (1.5 hrs)
Drilled 8 1/2" hole from 7536' to 7566'. (2 hrs)
Circulated and surveyed at 7541'. (2 hrs)
Drilled 8 1/2" hole from 7566' to 7629'. (4.5 hrs)
Circulated and surveyed at 7604'. (1.5 hrs)
Drilled 8 1/2" hole from 7629' to 7642'. (1 hrs)
Circulated the hole clean. (0.5 hrs)
Pulled out of the hole to change the configuration of the drilling assembly. (3.5 hrs)

Comments: Made up drilling assembly and ran in the hole to 7494'. Drilled 8 1/2" hole from 7521' to 7536'. Circulated and surveyed at 7510'. Drilled 8 1/2" hole from 7536' to 7566'. Circulated and surveyed at 7541'. Drilled 8 1/2" hole from 7566' to 7629'. Circulated and surveyed at 7604'. Drilled 8 1/2" hole from 7629' to 7642'. Circulated the hole clean. Pulled out of the hole to change the configuration of the drilling assembly.

Mud Data: MW: 8.8 Viscosity: 45 Filtrate: 7.2

Surveys: 7510ft - 18.9 deg Inc, deg Az; 7541ft - 18.9 deg Inc, deg Az;

Daily Costs ($): 79,356 **Well Costs ($):** 11,002,600

Drilling Days: 130 **Completion Days:** 0 **Workover Days:** 0

17-May-09

Current Depth (ft): 7,670 **Hole Drilled (ft):** 28 **Ave ROP:** 11.2

Current Ops: 00:00 to 06:00 Drilled from 7670' to 7748'.

Operation Summary:

Changed the configuration of the drilling assembly and ran in the hole to 1100'. (2.5 hrs)
Slip and cut the drilling line. (1.5 hrs)
Ran in the hole to 7490'. (4 hrs)
Attempted to unplug the drill string. (0.5 hrs)
Pulled out of the hole and cleaned out the plugged bit and stabilizers. Changed out the plugged monel. (6.5 hrs)

Ran in the hole with an 8 1/2" bit to 7558'. (5.5 hrs)
Reamed from 7558' to 7642'. (1 hrs)
Drilled 8 1/2" hole from 7642' to 7670'. (2.5 hrs)

Comments: Changed the configuration of the drilling assembly and ran in the hole to 1100'. Slip and cut the drilling line. Ran in the hole to 7490'. Attempted to unplug the drill string. Pulled out of the hole and cleaned out the plugged bit and stabilizers. Changed out the plugged monel. Ran in the hole with an 8 1/2" bit to 7558'. Reamed from 7558' to 7642'. Drilled 8 1/2" hole from 7642' to 7670'.

Mud Data: MW: 8.8 Viscosity: 43 Filtrate: 7.4

Surveys: 7604ft - 21 deg Inc, deg Az;

Daily Costs ($):	44,700	**Well Costs ($):**	11,047,300		
Drilling Days:	131	**Completion Days:**	0	**Workover Days:**	0

18-May-09

Current Depth (ft):	7,785	**Hole Drilled (ft):**	115	**Ave ROP:**	13.5

Current Ops: 00:00 to 06:00 Rigged for air. Nipple up the blooie line.

Operation Summary:

Drilled 8 1/2" hole from 7670' to 7785'. (8.5 hrs)
Circulated and surveyed at 7749'. (1.5 hrs)
Pulled out of the hole to 7492'. (0.5 hrs)
Changed the hole over to water and hauled off the drilling mud. Cleaned mud tanks. (7.5 hrs)
Pulled out of the hole. Laid down 26 joints of working pipe. (6 hrs)

Comments: Drilled 8 1/2" hole from 7670' to 7785'. Circulated and surveyed at 7749'. Pulled out of the hole to 7492'. Changed the hole over to water and hauled off the drilling mud. Cleaned mud tanks. Pulled out of the hole. Laid down 26 joints of working pipe.

Mud Data: MW: 8.33 Viscosity: 28 Filtrate:

Surveys: None

Daily Costs ($):	60,230	**Well Costs ($):**	11,107,530		
Drilling Days:	132	**Completion Days:**	0	**Workover Days:**	0

19-May-09

Current Depth (ft):	7,785	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: May 20, 09 0000-0600 hrs Ran in the hole blowing water out of the wellbore with air from 2344' to 7689'.

Operation Summary:

Nippled down and lifted the blowout preventers removing bottom wedge gate type master valve. Added spacer spool and set blowout preventers back down. Nippled blowout preventers back up. (5.5 hrs)
Broke the swivel spool turning the blowout preventers and rigged up blooie line. Changed out spider spool for venturi spool. (12.5 hrs)
Made up the 8 1/2" bottom hole assembly and installed a new rotating rubber. Ran in the hole picking up G-105 19.5# drill pipe blowing water out of the wellbore with air from surface to 2344'. (6 hrs)

Comments: Nippled down and lifted the blowout preventers removing bottom wedge gate type master valve. Added spacer spool and set blowout preventers back down. Nippled blowout preventers back up. Broke the swivel spool turning the blowout preventers and rigged up blooie line. Changed out spider spool for venturi spool. Made up the 8 1/2" bottom hole assembly and installed a new rotating rubber. Ran in the hole picking up G-105 19.5# drill pipe blowing water out of the wellbore with air from surface to 2344'.

Mud Data: None

Surveys: None

Daily Costs ($):	65,061	**Well Costs ($):**	11,172,590		
Drilling Days:	133	**Completion Days:**	0	**Workover Days:**	0

20-May-09

Current Depth (ft):	8,034	**Hole Drilled (ft):**	249	**Ave ROP:**	27.7

Current Ops: May 21, 09 0000-0600 Drilled 8 1/2" hole with air taking directional wireline survey every 120' to 8161'.

Operation Summary:

Ran in the hole with 8 1/2" bottom hole assembly blowing water out of the wellbore with air from 2344' to 7689'. (8.5 hrs)
Worked bottom hole assembly through window from 7492' to 7412'. (0.5 hrs)
Reamed 8 1/2" hole from 7412' to bottom at 7785'. (2 hrs)
Blew and cleaned hole pumping two soap slugs on bottom at 7785'. (1 hrs)
Pulled out of the hole to above bad spots in the casing at 6500'. (1 hrs)
Ran back in the hole to bottom at 7785', no problems. (1 hrs)
Drilled 8 1/2" hole with air from 7785' to 7909'. (5 hrs)
Blew hole clean and took a directional wireline survey at 7838'. (1 hrs)
Drilled 8 1/2" hole from 7909' to 8034'. (4 hrs)

Comments: Ran in the hole with 8 1/2" bottom hole assembly blowing water out of the wellbore with air from 2344' to 7490'. Worked bottom hole assembly through the window from 7490' to 7512'. Reamed from 7512' to bottom at 7785'. Blew,and pumped two soap slugs cleaning the wellbore from 7785'. Pulled out wiping the hole up past bad spots in the casing at 6500'. Ran back in the hole to bottom at 7785', no problems. Drilled 8 1/2" hole to 8034' taking directional wireline survey at 7838'.

Mud Data: None

Surveys: 7749ft - 22.1 deg Inc, 22 deg Az; 7838ft - 22 deg Inc, 27.5 deg Az;

Daily Costs ($):	45,110	**Well Costs ($):**	11,217,700		
Drilling Days:	134	**Completion Days:**	0	**Workover Days:**	0

21-May-09

Current Depth (ft):	8,383	**Hole Drilled (ft):**	349	**Ave ROP:**	25.9

Current Ops: May 22, 09 0000-0600 hrs: Pulled out of the hole and made up new bottom hole assembly and stood it back in the derrick. Started changing out the ventura spool for the spider spool.

Operation Summary:

Blew hole clean at 8034' and took directional wirline survey at 7963'. (1.5 hrs)
Drilled 8 1/2" hole with air from 8034' to 8161'. (4 hrs)
Blew clean at 8161' and took directional wireline survey at 8090'. (1 hrs)
Pulled up two stands and changed out worn rotating rubber for a new one. (1 hrs)
Drilled 8 1/2" hole from 8161' to 8319'. (5 hrs)
Blew clean at 8319' and took directional wireline survey at 8248'. (1 hrs)
Drilled 8 1/2" hole from 8319' to 8383'. Well started flowing at 8369'. (3.5 hrs)
Blew and clean hole. (0.5 hrs)
Pulled out of the hole to 6500' to cut bad drilling line off the drawworks drum. (1 hrs)
Slipped and cut 500' of bad drilling line off the drawworks drum. (2 hrs)
Pulled out of the hole laying down 22.82# G-105 drill pipe to drill with. (3.5 hrs)

Comments: Drilled 8 1/2" hole with air from 8034' to 8383' taking directional wireline surveys at 7963', 8090' and 8319'. Note: well started flowing at 8369'. Pulled out of the hole to 6500'. Slipped and cut 500' of bad drilling line. Continued out of the hole laying down 14 joints of 22.82 G-105 drill pipe to drill with.

	(#/hr) (ppm)	H2s (ppm)	(H2S #/hr) (NH3 #/hr)	NH3
Restricted air on 8.2	16,300	253	4.1	500
Restricted Air off 8.2	16,300	350	5.7	500
Unrestricted 9.2	18,400	350	6.4	500

Mud Data: None

Surveys: 7963ft - 21.8 deg Inc, 21.9 deg Az; 8090ft - 21.5 deg Inc, 23.7 deg Az;

	Daily Costs ($):	66,371	**Well Costs ($):**	11,284,070		
	Drilling Days:	135	**Completion Days:**	0	**Workover Days:**	0
22-May-09	**Current Depth (ft):**	8,508	**Hole Drilled (ft):**	125	**Ave ROP:**	27.8

Current Ops: May 23, 09 0000-0600 hrs: Drilled 8 1/2" hole with air from 8508' to 8680' taking a wireline directional survey at 8477'. Note: well dried up and is not making any water.

Operation Summary:

Finished pulling out of the hole. (2 hrs)
Made up new 8 1/2:" bottom hole assembly and stood it back in the derrick. (1.5 hrs)
Close well in. Changed out ventura spool from spider spool in the blooie line. (6.5 hrs)
Serviced the rig. (0.5 hrs)
Ran in the hole to 4800'. (3 hrs)
Blew and cleared drill pipe. (0.5 hrs)
Ran in the hole to 7400'. (1.5 hrs)
Changed out worn rotating rubber for new one. Blew and cleared the drill pipe before going out the window. (1 hrs)
Ran in the hole to 8320'. (0.5 hrs)
Blew the hole unloading approxamatly 125 barrels of water. (1 hrs)
Reamed and blew the hole from 8320' to bottom at 8383'. (1 hrs)
Drilled 8 1/2" hole with air from 8383' to 8508', hole making about 20-25 barrels of water per hour. (4.5 hrs)

Comments: Finished pulling out of the hole. Made up new bottom hole assembly and stood it back in the derrick. Shut the master valve shutting the well in Changed out the ventura spool for the spider spool in the blooie line. Opened well back up and ran in the hole to 4800' . Cleared pipe with air. Ran in the hole to top of the window at 7450'. Installed new rotating rubber and blew and cleared drill pipe. Ran in the hole to 8320' . Blew well unloading approximaty 125 barrels of water. Reamed from 8320' to bottom at 8383'. Drilled 8 1/2" hole with air from 8383' to 8508', hole making approximaty 20 bph. .

(#/hr)	H2s (ppm)	(H2S #/hr)	NH3 (ppm)	(NH3 #/hr)
Restricted air on 8.2	16,300	253	4.1	500
Restricted Air off 8.2	16,300	350	5.7	500
Unrestricted 9.2	18,400	350	6.4	500

Mud Data: None

Surveys: 8281ft - 21.5 deg Inc, 31.3 deg Az;

	Daily Costs ($):	57,719	**Well Costs ($):**	11,341,790		
	Drilling Days:	136	**Completion Days:**	0	**Workover Days:**	0
23-May-09	**Current Depth (ft):**	9,023	**Hole Drilled (ft):**	515	**Ave ROP:**	29.4

Current Ops: May 24, 09 0000-0600 hrs: Drilled 8 1/2" hole from 9023' to 9039' , bit started torquing. Pumped sweep and pulled out of the hole. Bit not in bad shape but was missing one jet nozzle causing the torqure down hole.

Operation Summary:

Drilled 8 1/2" hole with air from 8508' to 8548'. (1.5 hrs)
Blew and cleaned the hole. Took wireline directional survey at 8477'. (1.5 hrs)
Drilled 8 1/2" hole from 8548' to 8699'. (7.5 hrs)
Blew and cleaned the hole. Took wireline survey at 8699'. (1 hrs)
Drilled 8 1/2" hole from 8699' to 9023'. (8.5 hrs)

Blew and cleaned the hole. Took wireline directional survey at 8952'. (1 hrs)
Wipped hole up inside the window at 7400'. (1 hrs)
Changed out worn rotating rubber for new one. (1 hrs)
Ran in the hole to 8985'. (0.5 hrs)
Safety reamed from 8985' to bottom at 9023'. (0.5 hrs)

Comments: Drilled 8 1/2" hole with air from 8508' to 9023' taking wireline directional surveys at 8477, 8699' and 8952'. Wipe the hole up into the window at 7400'. Changed out worn rotating rubber. Ran back in the hole, no problems. Safety reamed 30' to bottom at 9023'.

	H2s (ppm)	(H2S #/hr)	NH3 (ppm)	(NH3 #/hr)
Restricted air on 8.2	16,300	253	4.1	500
Restricted Air off 8.2	16,300	500	8.2	500
Unrestricted 9.2	18,400	500	9.3	500

Mud Data: None

Surveys: 8477ft - 21.6 deg Inc, 26.4 deg Az;

Daily Costs ($): 45,736 **Well Costs ($):** 11,387,520

Drilling Days: 137 **Completion Days:** 0 **Workover Days:** 0

24-May-09

Current Depth (ft): 9,167 **Hole Drilled (ft):** 144 **Ave ROP:** 32.0

Current Ops: May 25, 09 0000-0600 hrs: Drilled 8 1/2" hole with air from 9167' to 9275'. Well is still making 15 bbls of water an hour.

Operation Summary:

Drilled 8 1/2" hole with air from 9023' to 9039'. Bit started torquing and stalling out. (0.5 hrs)
Slugged and cleaned hole. (0.5 hrs)
Pulled out of the hole. Broke bit off, bit was missing one jet. (6 hrs)
Made up bit #21 and new bottom hole assembly. (2 hrs)
Ran in the hole picking up 30 joints of 20# G-105. Continued on in the hole laying down 30 joint of 22.82# G-105 to drill with. (6 hrs)
Blew and cleared drill pipe. (0.5 hrs)
Ran in the hole to above the window at 7350'. (2.5 hrs)
Changed out worn rotating rubber for new one. Blew and cleared the drill pipe. (1 hrs)
Reamed to bottom at 9038' working junk (jet) off bottom. (1 hrs)
Drilled 8 1/2" hole with air from 9039' to 9167' (4 hrs)

Comments: Drilled 8 1/2" hole from 9023' to 9039', bit started torquing. Pumped sweep and pulled out of the hole. Bit not in bad shape but was missing one jet nozzle which had caused the torque down hole. Made up new 8 1/2" bottom hole assembly. Ran in the hole picking up 30 joints of 20# G-105. Continued on in the hole laying down 30 joint of 22.82# G-105 to drill with. Continued in the hole to above the window at 7400'. Changed out worn rotating rubber for a new one and cleared the drill pipe with air. Ran in the hole to 8984'. Reamed to bottom at 9038'. Pumped slug and worked junk (jet) off bottom. Drilled 8 1/2" hole with air from 9039' to 9167'. Well is making 15 barrels of water per hour.

Note: Attempted to take a wet test but well keeps fluctuating on its flow flowing a lot less then the wet test below. We are abating to the wet test below which is a higher value. We will continue to try and get an accurate wet test.

	H2s (ppm)	(H2S #/hr)	NH3 (ppm)	(NH3 #/hr)

Restricted air on 8.2	16,300	253	4.1	500
Restricted Air off 8.2	16,300	500	8.2	500
Unrestricted 9.2	18,400	500	9.3	500

Mud Data: None

Surveys: 8699ft - 21 deg Inc, 23.7 deg Az;

Daily Costs ($): 65,468 **Well Costs ($):** 11,452,990

Drilling Days: 138 **Completion Days:** 0 **Workover Days:** 0

25-May-09

Current Depth (ft): 9,718 **Hole Drilled (ft):** 551 **Ave ROP:** 29.0

Current Ops: May 26, 09 0000-0600 Drilled 8 1/2" hole with air to 9845'. Blew and cleaned the hole. Pulled out of the hole to 9050'. Drop the blocks due to mechanical failure.

Operation Summary:

Drilled 8 1/2" hole with air from 9167' to 9275' (4 hrs)
Blew hole clean and took directional wireline survey at 9204'. (1.5 hrs)
Drilled 8 1/2" hole from 9275' to 9591'. (10.5 hrs)
Blew hole clean and took directional wireline survey at 9520'. (1 hrs)
Drilled 8 1/2" hole from 9591' to 9687'. (3.5 hrs)
Blew and cleaned the hole. (0.5 hrs)
Wiped the hole up to 9364'. (0.5 hrs)
Changed out worn rotating rubber for new one. (0.5 hrs)
Ran back in the hole to 9657' (0.5 hrs)
Safety reamed 30' to bottom at 9687'. (0.5 hrs)
Drilled 8 1/2" hole from 9687' to 9718'. (1 hrs)

Comments: Drilled 8 1/2" hole with air from 9167' to 9687' taking directional wireline surveys at 9204' and 9591'. Wiped hole up to 9364' and changed worn rotating rubber for a new one. Ran back in the hole safety reaming the last 30' to bottom at 9687'. Continued to drill 8 1/2" hole to 9717'.

(#/hr) (NH3 #/hr)	H2s (ppm)	(H2S #/hr)	NH3 (ppm)	
Restricted air on 7.3	14,500	464	6.7	500
Restricted Air off 7.3	14,500	503	7.3	500
Unrestricted 9.2	20,100	503	9.3	500

Mud Data: None

Surveys: 8952ft - 19.1 deg Inc, 30.7 deg Az; 9204ft - 19.5 deg Inc, 33.5 deg Az; 9520ft - 23.4 deg Inc, 33.3 deg Az;

Daily Costs ($): 45,673 **Well Costs ($):** 11,498,670

Drilling Days: 139 **Completion Days:** 0 **Workover Days:** 0

26-May-09

Current Depth (ft): 9,845 **Hole Drilled (ft):** 127 **Ave ROP:** 28.2

Current Ops: May 27, 09 0000-0600. Making repairs to rig. Circulating 1000 cfm of air thru drill string.

Operation Summary:

Drill from 9718 ft to 9845 ft. (4.5 hrs)
Circulated soap sweep. (0.5 hrs)

Pulled out of the hole to 9050'. (1 hrs)

Rig traveling blocks failed due to problem with the brake drum breaking system (cause still under investiation at report time). The traveling blocks dropped aprox 90' with drill string attatched. Drill string apears to be intact, and setting in the elevators on the No injuires to any personel. Began to make repairs to the rig. (18 hrs)

Comments: Rig traveling blocks failed due to problem with the brake drum breaking system (cause still under investiation at report time). The traveling blocks dropped aprox 90' with drill string attatched. Drill string apears to be intact, and setting in the elevators on the rotary table. No injuires to any personel occured. Began to make repairs to the rig.

	(#/hr) (NH3 #/hr)	H2s (ppm)	(H2S #/hr)	NH3 (ppm)
Restricted air on 8.8	14,500	759	13.3	500
Restricted Air off 8.8	17,500	1036	18.1	500
Unrestricted 12.2	24,300	1036	25.2	500

Mud Data: None

Surveys: None

Daily Costs ($): 67,020 **Well Costs ($):** 11,565,690

Drilling Days: 140 **Completion Days:** 0 **Workover Days:** 0

27-May-09

Current Depth (ft): 9,845 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: May 28. 0-6:00 AM.Continued to pull out of the hole, began to magna flux BHA. Drill string float was leaking , could not continue to magna flux BHA. Pulled out of the hole. Will finish magna fluxing BHA when running back in the hole.

Operation Summary:

Made repairs to the rig. (17 hrs)

Screwed into drill string with kelly and circulated with air. String was free. Laid down the first 15 jts of drill pipe and inspected tool joints for stretching , all tool joints checked out good. Pulled out of the hole, laid down 30 joints total of 22# G drill pipe. (7 hrs)

Comments: Made repairs to the rig.Screwed into drill string with kelly and circulated with air. String was free. Laid down the first 15 jts of drill pipe and inspected tool joints for stretching , all tool joints checked out good. Pulled out of the hole, laid down 30 joints total of 22# G drill pipe to drill with.

	(#/hr) (NH3 #/hr)	H2s (ppm)	(H2S #/hr)	NH3 (ppm)
Restricted air on 7.6	15,100	439	6.6	500
Restricted Air off 7.6	15,100	1036	15.6	500
Unrestricted 10.5	21,000	1036	21.8	500

Mud Data: None

Surveys: None

Daily Costs ($): 44,002 **Well Costs ($):** 11,609,690

Drilling Days: 141 **Completion Days:** 0 **Workover Days:** 0

28-May-09

Current Depth (ft): 9,845 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: May 26, 0-6:00 AM. Continued to make up and finish magna fluxing the BHA. Picked up 30 jts of 20# G drill pipe.

Operation Summary:

Continued to pull out of the hole, began to magna flux BHA. Drill string float was leaking , could not continue to magna flux BHA. Pulled out of the hole. Will finish magna fluxing BHA when running back in the hole. Broke bit,shut in well. (8 hrs)

Changed out rotary table, magna fluxed rotary table pins. Reapirs to rig from dropped blocks are now complete. Rig had 45 hrs total of down time. (11 hrs)

Made up new BHA. (2 hrs)

Shut in well head pressure 245 psi after 13 hrs .Opened well. Muffler plugged. Shut in well. Unplugged muffler and water lines. Opened well and let blow down. (3 hrs)

Comments: Continued to pull out of the hole, began to magna flux BHA. Drill string float was leaking , could not continue to magna flux BHA. Pulled out of the hole. Will finish magna fluxing BHA when running back in the hole. Broke bit,shut in well.Changed out rotary table, magna fluxed rotary table pins. Reapirs to rig from dropped blocks are now complete. Rig had 45 hrs total of down time.Made up new BHA. Shut in well head pressure 245 psi .Opened well. Muffler plugged. Shut in well. Unplugged muffler and water lines. Opened well and let blow down.

	H2s (ppm)	(H2S #/hr)	NH3 (ppm)	(NH3 #/hr)
Restricted air on	15,100	439	6.6	500
7.6				
Restricted Air off	15,100	1036	15.6	500
7.6				
Unrestricted	21,000	1036	21.8	500
10.5				

Mud Data: None

Surveys: None

Daily Costs ($): 66,748 **Well Costs ($):** 11,676,440

Drilling Days: 142 **Completion Days:** 0 **Workover Days:** 0

29-May-09

Current Depth (ft): 10,016 **Hole Drilled (ft):** 171 **Ave ROP:** 24.4

Current Ops: May 30 , 0- 6:00AM. Continued to drill from 10,016' to 10,120'.

Operation Summary:

Continued to make up and finish magna fluxing the BHA. Found one cracked pin on saver sub. (6 hrs)

Picked up 30 joints of 20 # G drill pipe. Ran in the hole clearing drill pipe with air every 3000 ft. Worked thru tight spot at 7472' with kelly. Measured drill pipe on the trip in the hole. (9 hrs)

Reamed from 9785' to 9845'. (1 hrs)

Ran directional survey at 9835'. (1 hrs)

Drill from _ 9845 ft to _10016 ft (7 hrs)

Comments: Continued to make up and finish magna fluxing the BHA. Found one cracked pin on saver sub.Picked up 30 joints of 20 # G drill pipe. Ran in the hole clearing drill pipe with air every 3000 ft. Worked thru tight spot at 7472' with kelly. Measured drill pipe on the trip in the hole. Reamed from 9785' to 9845'.Ran directional survey at 9835'.Drill from _ 9845 ft to _10016 ft.

Steam Flow Emissions ;

Restricted air on	13,100 #/hr	, H2S 913 ppm or 12 #/hr,	NH3 6.6 #/hr.	
Restricted Air off	13,100 #/hr	, H2S 1036 ppm or 13.6 #/hr ,	NH3 6.6 #/hr .	
Unrestricted	18,200 #/hr	, H2S, 1036 ppm or 18.9 #/hr ,	NH3 9.6 #/hr .	

Mud Data: None
Surveys: 9822ft - 26.7 deg Inc, 38.8 deg Az;
Daily Costs ($): 54,611 **Well Costs ($):** 11,731,050
Drilling Days: 143 **Completion Days:** 0 **Workover Days:** 0

30-May-09

Current Depth (ft): 10,314 **Hole Drilled (ft):** 298 **Ave ROP:** 17.0

Current Ops: May 31, 0- 6:00 AM. Finished pulling out of the hole.Shut in well 2 hrs. Changed bits, stabs gauged 1/16 og. Tailboard on opening well. Opened well. Began to run in the hole.

Operation Summary:

Drill from 10,016 ft to 10,152 ft. (8.5 hrs)
Ran directional survey at 10,107. (1 hrs)
Drill from 10,152 ft to 10,314 ft. (9 hrs)
Circulated hole clean. (0.5 hrs)
Pulled out of the hole, laid down 9 jts of 22 # G pipe. (5 hrs)

Comments: Drill from 10,016 ft to 10,152 ft.Ran directional survey at 10,107.Drill from 10,152 ft to 10,314 ft.Circulated hole clean.Pulled out of the hole, laid down 9 jts of 22 # G pipe.

Note ; H2S PPM increased 700 PPM to 1756 PPM on the last bit run.

Steam Flow Emissions ;

Restricted air on	12,800 #/hr	, H2S 758 ppm or 9.7 #/hr, NH3 6.4 #/hr.
Restricted Air off	12,800 #/hr	, H2S 1756 ppm or 22.5 #/hr , NH3 6.4 #/hr .
Unrestricted	17,800 #/hr	, H2S, 1756 ppm or 18.9 #/hr , NH3 9.6 #/hr .

Mud Data: None
Surveys: 10107ft - 33.2 deg Inc, 38.8 deg Az;
Daily Costs ($): 47,296 **Well Costs ($):** 11,778,340
Drilling Days: 144 **Completion Days:** 0 **Workover Days:** 0

31-May-09

Current Depth (ft): 10,314 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: June 1, 0 -6:00 AM. Pulled out of the hole and laid down 8 1/2" swage and tools. Made up 8 1/2" drilling assembly. Started to run in the hole.

Operation Summary:

Finished pulling out of the hole.Shut in well 2 hrs. Changed bits, stabs gauged 1/16 og. Tailboard on opening well. Opened well. Began to run in the hole. Tagged bad spot in the casing at 6605'. Attempt to work thru it failed. Pulled out of the hole. Stood back BHA. (14 hrs)
Tailboard. Shut in the mastervalve. Installed compressed air line to the 3" mud cross valve. Pumped 90 ,000 cu/ft of air to hold down well gas. Removed 4 1/2" steel pipe rams and installed 7" casing rams. (4 hrs)
Made up 8 1/2" casing swage assembly. Tailboard. Opened well and blew down.Ran in the hole to 7400'. Did not see any significant obstructions at 6605'. (6 hrs)

Comments: Finished pulling out of the hole.Shut in well 2 hrs. Changed bits, stabs gauged 1/16 og. Tailboard on opening well. Opened well. Began to run in the hole. Tagged bad spot in the casing at 6605'. Attempt to work thru it failed. Pulled out of the hole. Stood back BHA.Tailboard. Shut in the mastervalve. Installed compressed air line to the 3" mud cross valve. Pumped 90 ,000 cu/ft of air to hold down well gas. Removed 4 1/2" steel pipe rams and installed 7" casing rams.Made up 8 1/2" casing swage assembly. Tailboard. Opened well and blew down.Ran in the hole to 7400'. Did not see any significant obstructions at 6605'.

Steam Flow Emissions ;

Restricted air on 12,800 #/hr , H2S 758 ppm or 9.7 #/hr, NH3 6.4 #/hr.
Restricted Air off 12,800 #/hr , H2S 1756 ppm or 22.5 #/hr , NH3 6.4 #/hr .
Unrestricted 17,800 #/hr , H2S, 1756 ppm or 31.1 #/hr , NH3 8.9 #/hr .

Mud Data: None
Surveys: None
Daily Costs ($): 67,520 **Well Costs ($):** 11,845,860
Drilling Days: 145 **Completion Days:** 0 **Workover Days:** 0

01-Jun-09

Current Depth (ft): 10,314 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: June 2, 0-600 AM.Finished pulling out of the hole , laid down 8 1/2" milling BHA.Made up 8 1/2" drilling BHA and began to run in the hole.

Operation Summary:

Pulled out of the hole , laid down 8 1/2"swage. Made up 8 1/2" drilling BHA , ran in the hole. Unable to work thru bad spot at 6605'. Pulled out of the hole, stood back drilling BHA. Made up 8 1/2" milling BHA. Ran in the hole. (20 hrs)

Milled casing from 6605' to 6623'. (2 hrs)

Ran in the hole to 7400'. Pulled out of the hole. (2 hrs)

Comments: Pulled out of the hole , laid down 8 1/2"swage. Made up 8 1/2" drilling BHA , ran in the hole. Unable to work thru bad spot at 6605'. Pulled out of the hole, stood back drilling BHA. Made up 8 1/2" milling BHA. Ran in the hole.Milled casing from 6605' to 6623'.Ran in the hole to 7400'. Pulled out of the hole.

Steam Flow Properties ;

Restricted air on 12,800 #/hr , H2S 758 ppm or 9.7 #/hr, NH3 6.4 #/hr.
Restricted Air off 12,800 #/hr , H2S 1756 ppm or 22.0 #/hr , NH3 6.4 #/hr .
Unrestricted 17,800 #/hr , H2S, 1756 ppm or 30.6 #/hr , NH3 8.9 #/hr .

Mud Data: None
Surveys: None
Daily Costs ($): 64,536 **Well Costs ($):** 11,910,400
Drilling Days: 146 **Completion Days:** 0 **Workover Days:** 0

02-Jun-09

Current Depth (ft): 10,552 **Hole Drilled (ft):** 238 **Ave ROP:** 19.0

Current Ops: 00:00 to 06:00 Drilled from 10,552' to 10,625. 10 # steam entry with 14 degree temp. increase at 10,580'

Operation Summary:

Pulled out of the hole and laid down the mills. (3 hrs)

Made up drilling assembly and ran in the hole to 10,226'. (6 hrs)

Reamed from 10,226' to 10,314'. (1 hrs)

Drilled from 10,314' to 10,437'. (6 hrs)

Circulated and surveyed at 10,392'. (1.5 hrs)

Drilled from 10,437' to 10,552'. (6.5 hrs)

Comments: Pulled out of the hole and laid down the mills. Made up drilling assembly and ran in the hole to 10,226'. Reamed from 10,226' to 10,314'. Drilled from 10,314' to 10,437'. Circulated and surveyed at 10,392'. Drilled from 10,437' to 10,552'.
Steam Flow Properties ;
Restricted air on 15,200 #/hr , H2S 883 ppm or 13.4 #/hr, NH3 7.6 #/hr.
Restricted Air off 15,200 #/hr , H2S 1718 ppm or 26.1 #/hr , NH3 7.6 #/hr .
Unrestricted 21,100 #/hr , H2S,1718 ppm or 36.2 #/hr ,NH3 10.6 #/hr .

Mud Data: None

Surveys: 10392ft - 39.4 deg Inc, 37.6 deg Az;

Daily Costs ($): 52,606 **Well Costs ($):** 11,963,000

Drilling Days: 147 **Completion Days:** 0 **Workover Days:** 0

03-Jun-09

Current Depth (ft): 10,825 **Hole Drilled (ft):** 273 **Ave ROP:** 16.1

Current Ops: 00:00 to 06:00 Slip and cut the drilling line. Run in the hole and circulate and run a wet test. No fill on bottom. Start pulling out of the hole to run the 7" slotted liner.

Operation Summary:

Drilled from 10,552' to 10,825'. (17 hrs)

Circulated and had two make two survey runs. On the last run the survey tool broke the threads on the tool leaving half the tool in the drill string. (2 hrs)

Changed out the rotating rubber. (1 hrs)

Pulled out of the hole to 7400'. (3 hrs)

Slip and cut the drilling line. (1 hrs)

Comments: Drilled from 10,552' to 10,825'. Circulated and had two make two survey runs. On the last run the survey tool broke the threads on the tool leaving half the tool in the drill string. Changed out the rotating rubber. Pulled out of the hole to 7400'. Slip and cut the drilling line.
Steam Flow Properties ;
Restricted air on 17,700 #/hr , H2S 922 ppm or 16.3 #/hr, NH3 9.2 #/hr.
Restricted Air off 17,700 #/hr , H2S 1821 ppm or 32.2 #/hr , NH3 9.2 #/hr .
Unrestricted 24,600 #/hr , H2S,1821 ppm or 44.8 #/hr ,NH3 12.8 #/hr .

Mud Data: None

Surveys: None

Daily Costs ($): 63,161 **Well Costs ($):** 12,026,170

Drilling Days: 148 **Completion Days:** 0 **Workover Days:** 0

04-Jun-09

Current Depth (ft): 10,825 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: 00:00 to 06:00 Pulled out of the hole and laid down the mills. Installed the 7" master rubber.

Operation Summary:

Slipped and cut drilling line and serviced the rig. (1 hrs)

Ran in the hole to 10,825'. No fill on bottom. (2 hrs)

Circulated and ran a wet test. (1 hrs)

Pulled out of the hole. Pulled 40 K over string weight when we came thru the bad spot in the casing at 6620'. Changed out the rotating rubber. Laid down the stabilizers and the monel to retrieve the survey bar. (10 hrs)

Made up the milling assembly and ran in the hole. Evacuated the rig floor due to high H2s alarms and closed the pipe rams and changed out the rotating rubber and continued in the hole to 6617'. (7 hrs)

Milled tight spot in the casing from 6617' to 6645'. (1 hrs)

Pulled out of the hole with the mills. (2 hrs)

Comments: Slipped and cut drilling line and serviced the rig. Ran in the hole to 10,825'. No fill on bottom. Circulated and ran a wet test. Pulled out of the hole. Pulled 40 K over string weight when we came thru the bad spot in the casing at 6620'. Changed out the rotating rubber. Laid down the stabilizers and the monel to retrieve the survey bar. Made up the milling assembly and ran in the hole. Evacuated the rig floor due to high H2s alarms and closed the pipe rams and changed out the rotating rubber and continued in the hole to 6617'. Milled tight spot in the casing from 6617' to 6645'. Pulled out of the hole with the mills.
Steam Flow Properties ;
Restricted air on 17,700 #/hr , H2S 922 ppm or 16.3 #/hr, NH3 9.2 #/hr.
Restricted Air off 17,700 #/hr , H2S 1821 ppm or 32.2 #/hr , NH3 9.2 #/hr .
Unrestricted 24,600 #/hr , H2S,1821 ppm or 44.8 #/hr ,NH3 12.8 #/hr .

Mud Data: None

Surveys: None

10-Jun-09

Current Depth (ft): 10,825 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: June 11,09 0000-0600 hrs: Rig down and off Calpine pay rates. FINAL REPORT.

Operation Summary:

Dressed out floor for the rig move while waiting on daylights to clean the pits. (5 hrs)

Cleaned the pits. Rig on move rate at 1200 hrs. (7 hrs)

Installed and rigged up bridle line and made rig ready to lay over. (4 hrs)

While lowering the derrick the bridle line pulled out of the of the wireline rope socket attached to the derrick dropping the derrick to the ground. (Note: the bridle line was new and was just installed). There was extensive damage to the derrick. (0.5 hrs)

Shut down all operations to investagae and evaluated damage to the rig (7.5 hrs)

Comments: Rigged down rig and dressed floor while waiting on daylight to clean the pit. Cleaned the pit. Rig on move rate at 1200hrs. Installed and rigged up new bridle lines to lower derrick. Started lowering the derrick. While lowering the derrick the bridle line pulled out of the of the wireline rope socket attached to the derrick dropping the derrick to the ground. (Note: the bridle line was new and was just installed). There was massive damage to the derrick. Shut down all operations for investigation.

Mud Data: None

Surveys: None

Daily Costs ($):	82,462	**Well Costs ($):**	13,730,590		
Drilling Days:	155	**Completion Days:**	0	**Workover Days:**	0

18-Jun-09

Current Depth (ft): 10,825 **Hole Drilled (ft):** **Ave ROP:**

Current Ops: Cost Update

Operation Summary:

Comments:

Mud Data: None

Surveys: None

Daily Costs ($):	85,134	**Well Costs ($):**	13,815,730		
Drilling Days:	155	**Completion Days:**	0	**Workover Days:**	0

	Daily Costs ($):	57,355	**Well Costs ($):**		12,083,520	
	Drilling Days:	149	**Completion Days:**	0	**Workover Days:**	0

05-Jun-09

Current Depth (ft):	10,825	**Hole Drilled (ft):**	0	**Ave ROP:**		

Current Ops: 00:00 to 06:00 Ran in the hole with the 7" liner and set on bottom at 10,825 and released off the setting collar at 6473'. Killed the well and started laying down drill pipe.

Operation Summary:

Pulled out of the hole and laid down the milling assembly. (3 hrs)

Installed 7" master rubber in the BOP. (2 hrs)

Serviced the rig and cleared the floor to run casing. (1 hrs)

Held a tail board with crews and all third party employees on running the live liner with the cascade fresh air system and H2s safety. (1 hrs)

Rigged up Secorp cascade system and casing equipment. Had employees make a dry run with the system. (2 hrs)

Ran 7" slotted live liner. (10 hrs)

Held a tail board with crews and all third party employees on running the live liner with the cascade fresh air system and H2s safety. (1 hrs)

Picked up 8 1/8" receptacle and setting collar and ran in the hole. (2 hrs)

Installed a rotating rubber and ran in the hole with the drill pipe and 7" casing liner. (2 hrs)

Comments: Pulled out of the hole and laid down the milling assembly. Installed 7" master rubber in the BOP. Serviced the rig and cleared the floor to run casing. Held a tail board with crews and all third party employees on running the live liner with the cascade fresh air system and H2s safety. Rigged up Secorp cascade system and casing equipment. Had employees make a dry run with the system. Ran 7" slotted live liner. Held a tail board with crews and all third party employees on running the live liner with the cascade fresh air system and H2s safety. Picked up 8 1/8" receptacle and setting collar and ran in the hole. Installed a rotating rubber and ran in the hole with the drill pipe and 7" casing liner.

Mud Data: None

Surveys: None

Daily Costs ($):	62,715	**Well Costs ($):**		12,146,240		
Drilling Days:	150	**Completion Days:**	0	**Workover Days:**	0	

06-Jun-09

Current Depth (ft):	10,825	**Hole Drilled (ft):**		**Ave ROP:**		

Current Ops: 00:00 to 06:00 Laid down drill pipe and drill collars.

Operation Summary:

Ran in the hole with the 7" liner on drill pipe and set on bottom at 10,825 and released off the setting collar at 6473'. (3.5 hrs)

Started pumping water and killed the well. (0.5 hrs)

Pulled out of the hole laying down drill pipe.Pulled out of the hole and laid down the setting collar's running tools. (9 hrs)

Ran in the hole and tagged the top of the liner at 6500' with a cold well. (6 hrs)

Laid down drill pipe keeping the well dead. (5 hrs)

Comments: Ran in the hole with the 7" liner on drill pipe and set on bottom at 10,825 and released off the setting collar at 6473'. Started pumping water and killed the well. Pulled out of the hole laying down drill pipe.Pulled out of the hole and laid down the setting collar's running tools. Ran in the hole and tagged the top of the liner at 6500' with a cold well. Laid down drill pipe keeping the well dead.

Mud Data: None

Surveys: None

Daily Costs ($):	634,546	**Well Costs ($):**		12,780,780		
Drilling Days:	151	**Completion Days:**	0	**Workover Days:**	0	

07-Jun-09

Current Depth (ft):	10,825	**Hole Drilled (ft):**		**Ave ROP:**		

Current Ops: 00:00 to 06:00 Removed a spacer spool from the BOP and installed the casing hanger spool and a wedge gate valve on top of the master valve.

Operation Summary:

Laid down drill pipe and drill collars keeping the well dead. (9 hrs)

Nipple down the BOP to install the casing hanger spool. (7.5 hrs)

Attempted to remove the master valve and install the casing hanger spool and new wedge gate valve but the well kept surging. Pumped 300 bbls and kept 140 gpm and the well still surged. Pumped 1000 bbls and kept 175 gpm and the well started surging again after 5 minutes. (7.5 hrs)

Comments: Laid down drill pipe and drill collars keeping the well dead. Nipple down the BOP to install the casing hanger spool. Attempted to remove the master valve and install the casing hanger spool and new wedge gate valve but the well kept surging. Pumped 300 bbls and kept 140 gpm and the well still surged. Pumped 1000 bbls and kept 175 gpm and the well started surging again after 5 minutes.

Mud Data: None

Surveys: None

Daily Costs ($):	99,229	**Well Costs ($):**	12,880,010		
Drilling Days:	152	**Completion Days:**	0	**Workover Days:**	0

08-Jun-09

Current Depth (ft):	10,825	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: 00:00 to 06:00 Ran 7" chrome stab in injection liner.

Operation Summary:

Nipple down the BOP. Remove spacer spool and installed new wedge gate valve and the casing hanger spool. Removed the working master valve and nippled the BOP back up. While keeping the well dead. (21 hrs)

Rig up and run 7" chrome stab in injection liner. (3 hrs)

Comments: Nipple down the BOP. Remove spacer spool and installed new wedge gate valve and the casing hanger spool. Removed the working master valve and nippled the BOP back up. While keeping the well dead. Rig up and run 7" chrome stab in injection liner.

Mud Data: None

Surveys: 10825ft - 39.4 deg Inc, 37.6 deg Az;

Daily Costs ($):	37,837	**Well Costs ($):**	12,917,850		
Drilling Days:	153	**Completion Days:**	0	**Workover Days:**	0

09-Jun-09

Current Depth (ft):	10,825	**Hole Drilled (ft):**		**Ave ROP:**	

Current Ops: 0000-0600 June 10, 09 Rigged down floor while while waiting on daylights to clean the mud pits. Started cleaning mud pits.

Operation Summary:

Ran top part of the 7" liner keeping well dead with water stabbing into bottom liner 18' at 6500'. (8 hrs)

Attempted to back land joint out of the setting donut. Landing joint would not back out. (1 hrs)

Nipple down blowout preventers below the master valve. (2.5 hrs)

Raised blowout preventers and the master valve. Cut the 7" landing joint above the hangdown spool. Set blowout preventers back down and nippled master valve back up. (0.5 hrs)

Nippled down blowout preventers and blooie line. Pumped excess water down well bore. (12 hrs)

Comments: Ran top part of the 7" liner keeping well dead with water stabbing into bottom liner 18' at 6500'. Attempted to back out landing joint, landing joint would not back out. Nippled down blowout preventers below master valve. Raised blowout preventers and master valve and cut off the 7" landing joint below the master valve. Set blowout preventers and master valve back down and nipple it back up. Nippled down blow out preventer and blooie line for the rig move. Pumped excess water down the wellbore.

Mud Data: None

Surveys: None

Daily Costs ($):	730,285	**Well Costs ($):**	13,648,130		
Drilling Days:	154	**Completion Days:**	0	**Workover Days:**	0