SUBMIT IN DUPLICATE *

Form approved. Budget Bureau No. 42-R355.5.

GL04420

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(See other in-structions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

USL-U27391

							-			2		mmpp on mater with
WELL C	OMPLE"	TION C	R RECO	DMPLE	MOIT	REPOR	1A TS	ND LOG	* '	5. IF INDIA!	N, ALLO	TTEE OR TRIBE NAM
1a. TYPE OF W	ELL:	OIL [GAS WELL		DRY .	Other _	Geoth	ermal		. UNIT AGR	REEMENI	r NAME
b. TYPE OF C	OMPLETION						- 00					
WELL X	OVDR	DEEP-	DACK BACK	D B	ESVR.	Other _		* 5	-5	S. FARM OR	LEASE	NAME
2. NAME OF OPE		C						÷ ,		7		1 . 4 4 1
	etty 0il	Compan	y.				•	a l		WELL NO.	E : .	
3. ADDRESS OF O	. 1, Bo	x 197-X	, Baker	sfield	i, CA	93308			1	KGRA 0. FIELD AL		OR WILDCAT
4. LOCATION OF	WELL (Repor	t location cl	early and in	n accordan	ice with a	ny State re	equiremen	ıts)*		Roose	velt	Hot Springs
At surface 23	310' W.	990' S	of NE c	orner	Sec.	21. T2	7S. R	9W, SLB&M	1 1		R., M., O	OR BLOCK AND SURVE
At top prod.	interval repo	orted below				,		:				T27S, R9W,
At total depti	h						20			SLB&M		
At total depth	u			1 14 1	PERMIT NO)	DATE	ISSUED		2. COUNTY	OR	13. STATE
				11.	004			0-17-77	1	Beav		Utah
15. DATE SPUDDED	16. DATE	T.D. REACH	ED 17. DA	TE COMPL.	12.12.13.1		1	VATIONS (DF, R	KR. RT			LEV. CASINGHEAD
2-02-78		5-04-78						5882 K			: "	5855
20. TOTAL DEPTH, M		21. PLUG, BA	CK T.D., MD	& TVD 2		LTIPLE CON	1PL.,	23. INTERVA	LS I	ROTABY TOO	LS	CABLE TOOLS
7500					HOW 3	HANI		DRILLED	ВТ	Χ	1	
24. PRODUCING INT	TERVAL(S), O	F THIS COM	LETION-TO	OP, BOTTOM	I, NAME (MD AND TV	(D)*				25.	WAS DIRECTIONAL SURVEY MADE
								6				
												Yes
26. TYPE ELECTRIC			. Tam			~ ~		1.		-	27. WA	Yes
FIL, FDC	-CNL, D	1L, 30H					'4			2 - 3 - 1.		. Tes
CASING SIZE	WEIGH	T, LB./FT.		SING REC		DLE SIZE	ings set i	n well)	ING REC	ORD	j see	WOUND DUILDS
30"		e Pipe	30'	(MAT)	-	36"	Re	ady Mix	III NDC			AMOUNT PULLED
20"	94#	- 170	1821	(KB)	-	28"		O sks cl	ass B	& add	itive	25
13-3/8"	54.5	5#	765	(KB)	17-1	1/2"		5 sks cl			Contract Contract Vision	
9-5/8"	40#		20391	(KB)		1/4"		5 sks cl				
29.		LINE	R RECORI)				30.	TUB	ING RECO	RD	20.00
SIZE	TOP (MD) BOT	rom (MD)	SACKS C	EMENT*	SCREEN	(MD)	SIZE	DEPT	H SET (MI) <u>;</u> ;	PACKER SET (MD)
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I. PERFORATION R	ECORD (111161	vas, size and	i number)			32.		ID, SHOT, FRA				
						DEPTH	INTERVAL	(MD)	AMOUN	r AND KIND	OF MA	ATERIAL USED
E THE DAME E										•		
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3.*		-			PROD	UCTION	(Not	on broduc	ction	1		
ATE FIRST PRODUC	TION	PRODUCTION	METHOD (Flowing, g	as lift, pu	ımping—si	ze and ty	pe of pump)			TATUS ((Producing or
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*				TEST	PERIOD			٠,		÷		
OW. TUBING PRESS.	CASING PE		ALCULATED 4-HOUR RAT	OIL-	BBL.	GAS	-MCF.	WATI	ER-BBL		OIL GRAY	VITY-API (CORR.)
. DISPOSITION OF	GAS (Sold, us	ed for fuel, t	ented, etc.)				1		TES	T WITNESS	ED BY	
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. LIST OF ATTACH	MENTS						1			# . T		_ = = = = = = = = = = = = = = = = = = =
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. I hereby certify	that the fo	regoing and	attached in	nformation	is compl	ete and co	rrect as	determined fro	m all a	vailable rec	ords .	7
SIGNED (1	J. 3	161111	-	-	ne va	Agent	-	-		4227	6-	02-78 :- :
SIGNED	Runcal	Tuch		TIT	TLE	J		*		DATE		

HISTORY OF GEOTHERMAL RESOURCES WELL

Operator: Getty Oil Company

Field: Roosevelt Hot Springs

Well No.: KGRA 52-21, U.S.L. U-27391, Section 21, T27S/R9W, SLB&M.

Date: May 23, 1978

Signed: (1.4) Burgell

C. G. Burgell

Rt. 1, Box 197-X,

Bakersfield, CA 93308 (805) 399-2961

Title: District Production

Manager--SJV-East

Date:

- 2-3 Rigged up Coastal Drilling Company, rig number 2. Mixed mud; spudded well at 3 p.m., February 2, 1978. Drilled 12-1/4" hole to 182'. Made up and ran 17-1/2" hole opener. Drilled 17-1/2" hole to 125' at 6 a.m. Mud weight 68.5, viscosity 61, temperature in 60°, temperature out 60°.
- 2-4 Drilled 17-1/2" hole to 182'. P.O.O.H. changed 17-1/2" hole opener to 28" hole opener. Drilled 28" hole to 175' at 6 a.m. Note: Slight amount of hole sloughing at 103'. Mud weight 69, viscosity 52, temperature in 60°, temperature out 60°.
- Continued running 28" hole opener. Drilled 28" hole to 182'. Conditioned 2-5 mud and circulated. Tagged bottom--no fill. Ran 182'-20" H-40, 94# slip joint casing. Casing equipped with guide shoe. First centralizer 10' above shoe. Second centralizer 80' above shoe. Cemented casing with 310 sacks Class B cement, 1:1 perlite, 40% silica flour, 5/10 of 1% CFR-2, 2% gel, 2% CaCl. 10 BBLS water ahead. Displaced with 57 BBLS. 72 BBLS of returns. Cement in place at 5:20 p.m. WOC eight hours. Welded on 20" casing head. Assembling 20" B.O.P. stack at 6 a.m.
- 2-6 Nippled-up B.O.P.E.
- Completed nippling up of B.O.P.E. B.O.P. stack consisted of two 20" 2-7 series 900 Shaffer double B.O.P., Hydril GK B.O.P. Tested casing blind rams, pipe rams, hydril, kill line valves and blowdown manifold valves to 500 psi with mud. All checked o.k. USGS witnessed. Picked up 9" drill collars. R. F. Smith logging equipment installed and commenced operating at 182'. Prepared to drill out shoe at 6 a.m.
- 2-8 Drilled out shoe at 182' with water. Changed over to mud. Drilled 17-1/2" hole to 345' at 6 a.m. Mud weight 68.5, viscosity 51, temperature in 73°, temperature out 75°.

- 2-9 Drilled 17-1/2" hole to 586'. Drilling ahead at 6 a.m. Mud weight 67.5, viscosity 54, temperature in 91° , temperature out 95°
- 2-10 Tripped for bit. 9" collars would not break. Wait on tongs. Made up new bit and drilling assembly. Prepared to drill ahead at 6 a.m.
- 2-11 Drilled 17-1/2" hole to 634". Pulled out of hole at 6 a.m. Mud weight 67.5, viscosity 47, temperature in 91°, temperature out 95°
- 2-12 Tried to break and lay down 9'' drill collars. Collars would not break. Cut and layed down collars. Ran in hole with drilling assembly. Drilled 17-1/2'' hole to 667' at 6 a.m. Mud weight 68, viscosity 47, temperature in 96° , temperature out 99°
- 2-13 Drilled 17-1/2" hole to 725' at 6 a.m. Mud weight 67.5, viscosity 46, temperature in 105° , temperature out 109°
- 2-14 Drilled 17-1/2" hole to 765'. Circulating and conditioning mud for loggers at 6 a.m. Mud weight 67.5, viscosity 47, temperature in 102° , temperature out 105°
- 2-15 Rigged up and ran Schlumberger logs, DIL, FDC-CNL, temperature log. Rigged up and ran Agnew & Sweet temperature and pressure survey. Recorded stabilized B.H.T. of 1110F at 765'. Ran in hole, tagged bottom, no fill, circulated. Prepared to run casing at 6 a.m.
- 2-16 Ran 765', 13-3/8" K-55, 54.5# buttress casing. Casing equipped with guide shoe. First centralized 10' above shoe. Remaining centralizers every other joint. Cemented casing with 465 sacks Class B cement, 1:1 perlite, 40% silica flour, 5/10 of 1% CFR-2, 2% gel. 10 BBLS water ahead. Displaced with 114 BBLS. 50 BBLS of returns. Bumped plug with 1000 psi. Held 500 psi shut-in. Cement in place 2:56 p.m. WOC eight hours. Tearing out 20" B.O.P.E. stack at 6 a.m.
- 2-17 Completed tearing out 20" B.O.P.E. Welded on 13-3/8" casing head. Nippling up 12" B.O.P.E. stack at 6 a.m.
- 2-18 Nippling up 12" B.O.P.E. stack at 6 a.m.
- 2-19 Completed nippling up 12" B.O.P.E. stack. Stack consisted of two 12" series 900 Shaffer double B.O.P. Hydril GK B.O.P. and Grant rotating head. Pressure tested to 1000 psi. Pressure test failed. Line repair and rig repair at 6 a.m.
- 2-20 Rig repair.

- 2-21 Picked up 9" drill collars and drilling assembly. Completed pressure test of B.O.P.E. USGS witnessed. Drilled out shoe at 765' with water. Changed over to mud. Drilled 12-1/4" hole to 789' at 6 a.m. Mud weight 65.4, viscosity 40, temperature in 90°, temperature out 94°
- 2-22 Drilled 12-1/4" hole to 879". Drilling ahead at 6 a.m. Mud weight 64, viscosity, 41, temperature in 110° , temperature out 114°
- 2-23 Drilled 12-1/4" hole to 1004'. Drilling ahead at 6 a.m.
 Mud weight 65.2, viscosity 32, temperature in 1110, temperature out 1160
- 2-24 Drilled 12-1/4" hole to 1105". Drilling ahead at 6 a.m. Mud weight 67, viscosity 32, temperature in 104°, temperature out 109°
- 2-25 Drilled 12-1/4" hole to 1249'. Drilling ahead at 6 a.m. Mud weight 66.3, viscosity 30, temperature in 112° , temperature out 117°
- 2-26 Drilled 12-1/4" hole to 1386'. Drilling ahead at 6 a.m. Mud weight 65.6, viscosity 27, temperature in 108°, temperature out 112°
- 2-27 Drilled 12-1/4" hole to 1508'. Tripped for bit. Drilling ahead at 6 a.m. Mud weight 65, viscosity 28, temperature in 105° , temperature out 110°
- 2-28 Drilled 12-1/4" hole to 1633'. Drilling ahead at 6 a.m. Mud weight 65, viscosity 29, temperature in 1120, temperature out 1170
- 3-1 Drilled 12-1/4" hole to 1749'. Hole took fluid at 6 BBL/hr. for three hour period at \sim 1680'. Drilling ahead at 6 a.m. Mud weight 65.7, viscosity 27, temperature in 117°, temperature out 122°
- 3-2 Drilled 12-1/4" hole to 1874". Drilling ahead at 6 a.m. Mud weight 65.7, viscosity 27, temperature in 113°, temperature out 118°
- 3-3 Drilled 12-1/4" hole to 1950'. Drilling ahead at 6 a.m. Mud weight 63.9, viscosity 26, temperature in 113° , temperature out 118°
- 3-4 Drilled 12-1/4" hole to 2041'. Conditioned mud and circulated. Pulled out of hole and laying down 9" drill collars at 6 a.m.

 Mud weight 63.9, viscosity 32, temperature in 1140, temperature out 1200
- 3-5 Completed laying down 9" drill collars. Rigged up and ran Schlumberger DIL, FDC-CNL, sonic, temperature logs. Rigged up and ran Agnew & Sweet temperature and pressure surveys. Recorded static B.H.T. of 238.5° at 2041'. Picked up drill string and ran in hole. Circulating at 6 a.m.

- Pulled out of hole. Rigged up casing tong crew. Ran 2039', 9-5/8'', 40# K-55 buttress casing. Casing equipped with float collar on top of first joint; stop collar ten foot off bottom. Remaining centralizers every other joint. Installed W.K.M. casing slips. Prepared to cement at 6 a.m.
- 3-7 Cemented casing with 535 sacks Class B cement, 1:1 perlite, 40% silica flour, 2% gel, 5/10 of 1% CFR-2. Pumped 10 BBLS water ahead. Bumped plug with 1000 psi. 30 BBLS cement returns. Cement in place at 7:45 a.m. WOC 12 hours. Picked up B.O.P.E. stack. Installed W.K.M. expansion spool and master gate valve. Nippling-up B.O.P.E. stack at 6 a.m.
- 3-8 Completed nippling up B.O.P.E., pressure tested with water to 1000 psi. USGS witnessed. Drilled out cement to 2041'. Drilling ahead at 6 a.m. Mud weight 63, viscosity 26, temperature in 99°, temperature out 106°
- 3-9 Drilled 8-1/2" hole to 2142'. Pulled out of hole. Picked up stabilized drilling assembly. Ran in hole. Reamed hole to 2142'. Drilling ahead at 6 a.m.

 Mud weight 63, viscosity 26, temperature in 120° , temperature out 126°
- 3-10 Drilled 8-1/2" hole to 2306". Drilling ahead at 6 a.m. Mud weight 62.9, viscosity 27, temperature in 1260, temperature out 1320
- 3-11 Drilled 8-1/2" hole to 2378". Twisted off #4-7" drill collar. 108" fish. Circulated. Pulled out of hole. Layed down drill collars. Called out fishing tools. Waiting on fishing tools at 6 a.m. Mud weight 62.9, viscosity 27, temperature in 1310, temperature out 1370
- Made up fishing tools. Ran in hole. Circulated and worked over fish. Pulled out of hole with fish. Broke and layed down fishing tools. Made up drilling assembly with new bit. Serviced all tool connections. Reamed from 2318-2378'. Drilled 8-1/2" hole to 2426'. Drilling ahead at 6 a.m. Mud weight 63.7, viscosity 29, temperature in 1280, temperature out 1340
- 3-13 Drilled 8-1/2" hole to 2542". Drilling ahead at 6 a.m. Mud weight 64.8, viscosity 35, temperature in 139° , temperature out 148°
- 3-14 Tripped for additional stabilization. Drilled 8-1/2" hole to 2650". Drilling ahead at 6 a.m. Mud Weight 63.7, viscosity 33, temperature in 136° , temperature out 142°

- 3-15 Drilled 8-1/2" hole to 2762'. Drilling ahead at 6 a.m. Mud weight 65.5, viscosity 32, temperature in 150° , temperature out 157°
- 3-16 Drilled 8-1/2" hole to 2819'. Pulled out of hole looking for washed out pipe. #7 drill collar washed out. Picked up additional drill collars. Replaced 6 pt. reamer and bit. Ran in hole. Reamed from 2786-2819'. Drilling ahead at 6 a.m. Mud weight 65.4, viscosity 31, temperature in 142°, temperature out 149°
- 3-17 Drilled 8-1/2" hole to 2957'. Drilling ahead at 6 a.m. Mud weight 65.2, viscosity 32, temperature in 148° , temperature out 155°
- 3-18 Drilled 8-1/2" hole to 3094". Drilling ahead at 6 a.m. Mud weight 64.8, viscosity 33, temperature in 149° , temperature out 155°
- 3-19 Drilled 8-1/2" hole to 3254". Drilling ahead at 6 a.m.

 Mud weight 64.8, viscosity 33, temperature in 151°, temperature out 157°
- 3-20 Drilled 8-1/2" hole to 3336'. Tripped for bit. Reamed from 2860' to 3356' at 6 a.m.

 Mud weight 64.6, viscosity 34, temperature in 159°, temperature out 164°
- 3-21 Drilled 8-1/2" hole to 3499". Drilling ahead at 6 a.m. Mud weight 64.4, viscosity 33, temperature in 155° , temperature out 161°
- 3-22 Drilled 8-1/2" hole to 3567'. Pulled out of hole. Rigged up and ran Agnew & Sweet temperature and pressure surveys. Recorded static bottom hole temperature of 255°F. Rigged down loggers, picked up core barrel at 6 a.m.

 Mud weight 64.4, viscosity 33, temperature in 151°, temperature out 158°
- 3-23 Ran in hole with core barrel. Circulated. Rig repair at 6 a.m.
- 3-24 Rig repair last 24 hours.
- 3-25 Reamed from 3502-3567' with 8-1/2" core bit. Cored and recovered 12' core. Layed down core barrel. Picked up monel collar and multishot survey tool. Surveyed every second stand from 3551-2120'. Pulled out of hole at 6 a.m. Mud weight 63.7, viscosity 32, temperature in 147°, temperature out 152°
- 3-26 Made up drilling assembly. Drilled 8-1/2" hole to 3710'. Loosing mud at \sim 5 to 6 BBL/Hr. Drilling ahead at 6 a.m. Mud weight 64, viscosity 30, temperature in 165°, temperature out 169°

- 3-27 Drilled 8-1/2" hole to 3884". Drilling ahead at 6 a.m. Mud weight 64.6, viscosity 33, temperature in 171° , temperature out 179°
- 3-28 Drilled 8-1/2" hole to 4055". Drilling ahead at 6 a.m. Mud weight 64.8, viscosity 33, temperature in 1750, temperature out 181°
- 3-29 Drilled 8-1/2" hole to 4250'. Drilling ahead at 6 a.m. Mud weight 64.1, viscosity 33, temperature in 183° , temperature out 189°
- 3-30 Drilled 8-1/2" hole to 4335'. Tripped for bit. Drilling ahead at 6 a.m. Mud weight 64.4, viscosity 33, temperature in 180°, temperature out 185°
- 3-31 Drilled 8-1/2" hole to 4510'. Losing fluid at \sim 9 BBLS/Hr. Drilling ahead at 6 a.m. Mud weight 64.4, viscosity 35, temperature in 172°, temperature out 180°
- 4-01 Drilled 8-1/2" hole to 4701". Drilling ahead at 6 a.m. Mud weight 65.2, viscosity 32, temperature in 1750, temperature out 180°
- 4-02 Drilled 8-1/2" hole to 4751'. Tripped for bit. Replaced stablizing assembly. Reamed from 4631-4751' at 6 a.m. Mud weight 64.4, viscosity 31, temperature in 168° , temperature out 176°
- 4-03 Drilled 8-1/2" hole to 4910". Drilling ahead at 6 a.m. Mud weight 63.4, viscosity 28, temperature in 166°, temperature out 172°
- 4-04 Drilled 8-1/2" hole to 5094". Drilling ahead at 6 a.m.
 Mud weight 63.4, viscosity 29, temperature in 165°, temperature out 171°
- 4-05 Drilled 8-1/2" to 5257'. Drilling ahead at 6 a.m.
 Mud weight 64.4, viscosity 29, temperature in 163°, temperature out 171°
- 4-06 Drilled 8-1/2" hole to 5430". Tripping for bit at 6 a.m.

 Mud weight 64.4, viscosity 29, temperature in 166°, temperature out 173°
- 4-07 Tripped for bit. Reamed from 5340-5430'. Drilled 8-1/2" hole to 5584'. Drilling ahead at 6 a.m.

 Mud weight 64.4, viscosity 32, temperature in 176°, temperature out 181°
- 4-08 Drilled 8-1/2" hole to 5786'. Drilling ahead at 6 a.m. Mud weight 64.8, viscosity 29, temperature in 172°, temperature out 179°
- 4-09 Drilled 8-1/2" hole to 5987'. Drilling ahead at 6 a.m.

 Mud weight 63.7, viscosity 31, temperature in 172°, temperature out 178°
- 4-10 Drilled 8-1/2" hole to 6174". Drilling ahead at 6 a.m.
 Mud weight 63.7, viscosity 31, temperature in 173°, temperature out 180°

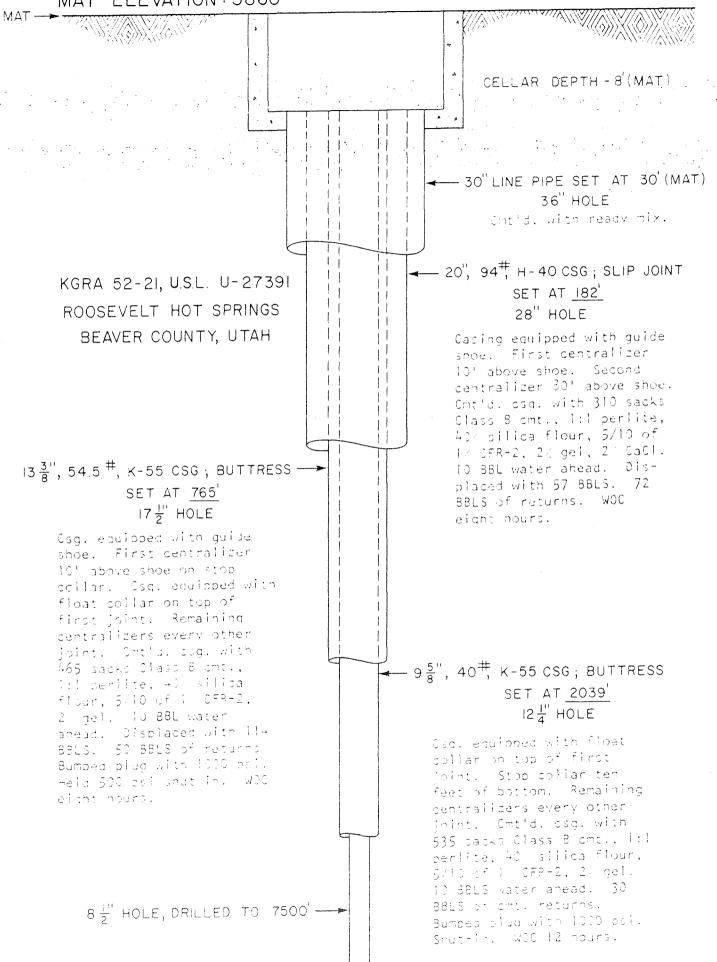
- 4-11 Drilled 8-1/2" hole to 6252'. Made 5 stand wiper run. Circulated. Checked for fill. No fill. Measured out of hole at 6 a.m. Mud weight 63.7, viscosity 31, temperature in 188°, temperature out 193°
- 4-12 Pulled out of hole. Rigged up Schlumberger logs: FDC-CNL, FIL, temperature log would not operate. Run in hole with sonic at 6 a.m.
- 4-13 Pulled out of hole. Rigged up Agnew & Sweet pressure and temperature log. Recorded static bottom hole temperature of 340°F at 6252'. Ran in hole with 4-1/2" drill pipe. Prepared swabbing tool (would not operate). Changing out pipe rams at 6 a.m.
- 4-14 Swabbing tool would not operate. Pulled out of hole laying down 4-1/2" drill pipe. Picked up new reamer and bit. Measured and picked up 3-1/2" drill pipe. Ran in hole at 6 a.m.
- 4-15 Completed running in hole with 3-1/2" drill pipe. Attempted to circulate. Plugged bit. Tripped for plugged bit. Made up and ran in swabbing tool at 6 a.m.
- 4-16 Swabbed well noting fluid temperature. No perceivable loss in fluid level. Tripped to pick up drilling assembly at 6 a.m.
- 4-17 Completed trip in. Circulated and conditioned mud. Reamed from 5870-6246'. Bit would not penetrate at 6246'. Excessive metal cuttings coming over shaker. Pulled out of hole. Four rollers on 6 point reamer locked up. Ran in hole with new reamer at 6 a.m. Mud weight 64, viscosity 29
- 4-18 Mixed and conditioned mud. Made 4 surveys on bottom--indicated moderate dog leg. Drilled 8-1/2" hole to 6287". Tripped for bit. Ran in hole. Reaming 1 joint at 6 a.m. Mud weight 63.7, viscosity 32, temperature in 186°, temperature out 194°
- 4-19 Drilled 8-1/2" hole to 6380'. Drilling ahead at 6 a.m. Mud weight 63.7, viscosity 31, temperature in 190°, temperature out 198°
- 4-20 Drilled 8-1/2" hole to 6484". Drilling ahead at 6 a.m. Mud weight 63.7, viscosity 29, temperature in 180°, temperature out 188°
- 4-21 Tripped for bit. Drilled 8-1/2" hole to 6543". Drilling ahead at 6 a.m. Mud weight 64.6, viscosity 33, temperature in 188°, temperature out 200°
- 4-22 Drilled 8-1/2" hole to 6679". Drilling ahead at 6 a.m. Mud weight 64.7, viscosity 31, temperature in 183°, temperature out 195°

- 4-23 Drilled 8-1/2" hole to 6862'. Drilling ahead at 6 a.m. Mud weight 63.7, viscosity 30, temperature in 186°, temperature out 197°
- 4-24 Drilled 8-1/2" hole to 6980". Tripped for bit at 6 a.m. Mud weight 64.4, viscosity 31, temperature in 175°, temperature out 184°
- 4-25 Ran in hole. Reamed from 6730-6980'. Drilled 8-1/2" hole to 7071'. Drilling ahead at 6 a.m. Mud weight 64, viscosity 32, temperature in 188°, temperature out 201°
- 4-26 Drilled 8-1/2" hole to 7205". Drilling ahead at 6 a.m.

 Mud weight 64, viscosity 34, temperature in 184°, temperature out 196°
- 4-27 Drilled 8-1/2" hole to 7253'. Tripped for bit. Reamed from 7150-7253'. Drilling ahead at 6 a.m.

 Mud weight 63.4, viscosity 33, temperature in 186°, temperature out 198°
- 4-28 Drilled 8-1/2" hole to 7350". Drilling ahead at 6 a.m. Mud weight 64.6, viscosity 34, temperature in 192°, temperature out 206°
- 4-29 Drilled 8-1/2" hole to 7450'. Drilling ahead at 6 a.m. Mud weight 64.4, viscosity 34, temperature in 195°, temperature out 206°
- 4-30 Drilled 8-1/2" hole to 7500". Mixed gel pill and circulated. Pulled out of hole measuring out. Laying down drill collars at 6 a.m. Mud weight 65.4, viscosity 36, temperature in 194°, temperature out 204°
- 5-01 Completed laying down drill collars. Ran in hole with open ended drill pipe with tool catcher on bottom. Dumped mud tanks and changed over to water. Circulated to cool hole. Pulled out of hole. Rigged up and running Schlumberger FIL at 6 a.m.
- 5-02 Completed running Schlumberger logs: FIL, FDC-CNL, DIL, Sonic, temperature log. Rigged up and ran Agnew & Sweet temperature and pressure survey. Recorded static bottom hole temperature of 376°F. Ran in hole with open ended drill pipe with tool catcher on bottom. Rigged up nitrogen and pressured up well at 6 a.m.
- 5-03 Completed pressuring well with nitrogen, purged fluid from well. Well did not flow. Rigged up swabbing tool to check fluid level. Tagged fluid at 433' (124°F). Rigged down swabbing tool. Pulled out of hole laying down drill pipe. Shut-in well. Tearing out B.O.P.E. at 6 a.m.
- 5-04 Completed tearing out B.O.P.E. stack. Installed wellhead assembly. Tearing out choke manifold and flare stacks at 6 a.m. Released contract rig at 12 noon 5-04-78.

KGRA 52-21, ROOSEVELT HOT SPRINGS, BEAVER COUNTY, UTAH K.B. ELEVATION: 5882', ALL MEASUREMENTS FROM K.B. MAT ELEVATION: 5860'



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NO. SIZE	MAKE	TYPE	JET 32ND IN	SERIAL	DEPTH	FEET HOURS FT/	FT/HR DRLG 1000 HRS. LBS.	R P M DEV.	PUMP OPER-	S P M	MUD	DULL. COND.	FORMATION
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5) - -	66.1	7/2/27	7 17.256	5430	679 88%	. 34 €€ /	09	١٥٥١	54 6	64 30 m	67%	
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17 8/2) =	199	75/2/2	c hacti	1,273	35 10分	<u> </u>	ှ ၁	900	5 5 6	64 30 "	7736	
ति हि	5.031.134	F.9 .	22	11967	6369	202 43/2		33/33	15,00	13. lé	// JE F9	5/5/8	
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V 12/ 12/ TAKEN 3367 TO 3519

T 12 DEPTH CCERECTION

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CONT	ACTOR	·	,			RIG	NO. OPERATO	DR							TOOLPU	SHER				,	SALE	SMAN			1 2/. /.
SPUD		UNDER SURF.	1.	ER INTER.	SET S	ļ.	-29-76	P NO. 1				LIN	ER	PUMP	NO. 2					LINER		РИМ	P POWE	R	TYPE MUD
DRILL	PIPE.		100	DL NTS	Siz	E	TYPE		O.D.			IILL OLLAF		IMBER		O.D.		1,0).		LENGT	H H	***************************************	DRAWWOI	RKS FOWER
NO.	SIZE	MAKE	.TY	PE	JET 32ND IN	SERIAL	DEPTH OUT	FEET	HOURS	FT/HR	ACCUM DRLG. HRS.	WT. 1000 LBS.	RPM	VERT DEV.	PUMP PRESS	PUMP OPER- ATION	S P	М 2	WT.	MUE vis.) W.L.	ł	ULL.	COND.	FORMATION REMARKS
19	<u>8%</u>	HTC	j	-99	19/19/6			1	1 1.			70	50/60	3è Zi	1160		<i>6</i> 2		<i>(-</i> 4	<u>3i</u>	NC.	7	7 1/2	;	TIROIGOMARI
20	となって	HTC		<u>-99</u>	2.t/ _{25/32}	2x85	7253	273					19/60 :.	22	28		60			34 36					
	<u>Clair</u>	HTC		-99	A.F.	TY611	7500 TD 81	247		1		35			1200		56		64	36	MC.	3	1/8		
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			1.12	3/8	155 -	Si A. W.	G 765'					-		-			+-	-	-		-	+	++	-	
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Production
Specialists

AGNEW AND SWEET

3914 GILMORE AVENUE

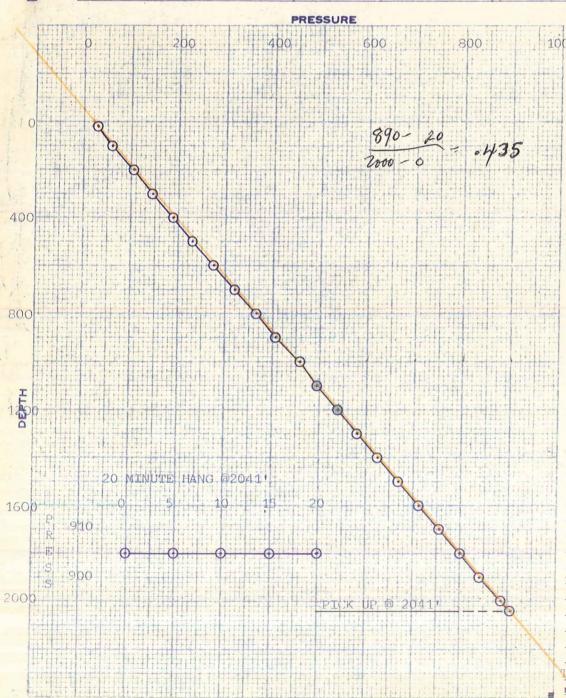
BAKERSFIELD, CALIFORNIA 93308 24 HOUR PHONE 327-2267 AREA CODE 805

SUBSURFACE PRESSURE SURVEY

OWNER G	ETTY OIL COMPAN	Y FIELD	ROOSEVENT	WELL NAME	KGRA 52 - 21
CASING 1	3-5/8" @ 765!	ELEV.	5808	DATE:	March 5,1978
LINER DESCRIPTION:				ZERO POINT	D.F.
Little and the second				DEPTH	2041'
				ZONE	

TUBING DETAIL:

			INSTRUMENT 1800	PSI
1 The 1 The 1			SERIAL NO. 5709	
PUMP SHOE	GAS ANCHOR	INTAKE:	12 hour $7\frac{1}{2}$ turn	
PURPOSE	STATIC PRESSURE TRAVERSE GRADI	ENT SURVEY	MAX. TEMP. 200.7°F	@ 2041'
REMARKS:	Traverse 20' per min. open ho	le. Stopped	circulating @ 6:00 am 3-	-4-78



	GROSS OIL RAT	E B/D	
)(NET OIL RATE	B/D	
	FORMATION GA	S MCF.D	
	GOR CFT/BBL.		
	CIRCULATED G	AS MCF/D	
	OIL DRY GRAVI	TY "API	-
•	PRESSURES.	OBS	COR
	CASING, PSI		
	TUBING, PSI		1
	DEPTH	PRESSURE	GRADIENT
	20	29	400
	100	60	.398
	200	105	.450
	300	145	.400
	400	188	.430
	500	233	.450
	600	276	.430
	700	321	.450
	800	364	.430
	900	407	.430
	1000	458	.510
-	1100	4.74	360
-	1200	540	.460
_	1300	582	.420
**	1400	626	.440
_	1500	668	.420
-	1600	713	.450
Ļ	1700	750	.430
-	1800	800	.440
	1900 .	843	.430
-	2009	885	.420
_	2041	905	.438
_			
_	20 MINUTE	HANG @	2041!
_	0	905	
	5 min.	905	
_	10	905	
	15	905	
_	20	905	
C	Time on bo	ttom	4:18 am
1-	ime off bo		4:38 am
В	Y: SUNDBE	RG & MEAS	OOR

STABLIZATION PERIOD

Production Specialists

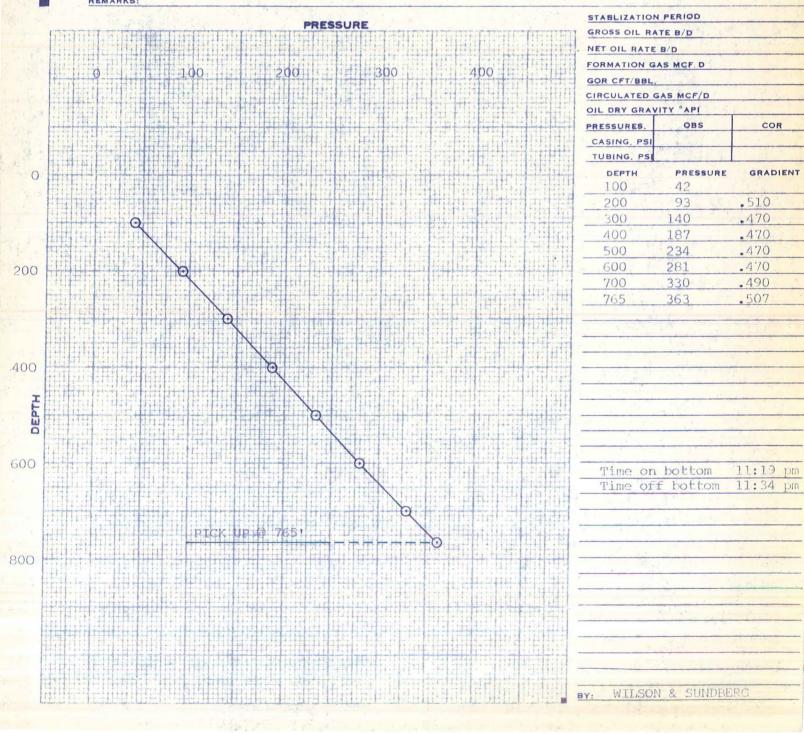
AGNEW AND SWEET

3914 GILMORE AVENUE

BAKERSFIELD, CALIFORNIA 93308 24 HOUR PHONE 327-2267 AREA CODE 805

SUBSURFACE PRESSURE SURVEY

OWNER	GETTY OIL COMPANY	FIELD ROOSEVELT	WELL NAME KGRA 52 + 21
CASING		ELEV.	DATE: February 14, 1978
LINER DESCRIPTION:			ZERO POINT D.F.
The state of the s	A second		DEPTH
			ZONE
TUBING DETAIL:	Open Hole		71 W
			INSTRUMENT 1000 PSIG
A Media			SERIAL NO. 39980
PUMP SHOE	GAS ANCHOR	INTAKE:	3 hour 15 turn
PURPOSE	STATIC PRESSURE GRADIENT	SURVEY	MAX TEMP. 111.3 °F@ 765'
DEMARKS.			



AGNEW AND SWEET 3914 GILMORE AVENUE BAKERSFIELD, CALIFORNIA 93308

24 Hour Phone 327-2267 AREA CODE 805

WILSON & SUNDBERG

Specialists

200

400

DEPTH

600

800

SUBSURFACE TEMPERATURE SURVEY

WNER	GETTY OIL COMPANY		FIELD	ROOSEVELT	1	WELL N	AME KGRA	52 -	21
ASING			ELEV.			DATE:	Febr	uary 1	4, 1978
INER DESCRIPTION:	r					ZERO PO	D.F.		
		* **				DEPTH		277	
		21/20				ZONE		E E Pily	7
UBING DETAIL:	Open Hole						-15162	405	11200
Mark to the or			44		18.0	INSTRUI	MENT 45	- 232	" F/
Notice of the						SERIAL			
UMP SHOE	GAS ANCHO			INTAKE:			our 15		10.00
URPOSE	STATIC TEMPERATURE			VEY -	The same of the same	MAX. TE	мр. 111.	3 °F@	765'
EMARKS:	20'/Min. with stop		100'			7			
	TEMPERAT	URE				STABLIZ	ATION PERI	OD	
		Hill I'm	THE .			GROSS O	IL RATE B)	
					-	NET OIL	RATE B/D		
60	80 100	Harry L.	120	1 411	Elek V	FORMATI	ON GAS MC	F/D	114
					JEHAN	GOR CFT	BBL,	-	- 454
		III FIFT	HERE	理性 語	-	-	TED GAS MO		
				T. 417111-11	E-HAIRE		GRAVITY "A		4 14
			- 131			PRESSUR		BS	COR
12 4 200 1124		Table of		台州 诗 诗歌	Haller	CASING.		- W	-
		生品相				TUBING. I		DEP	TH. TEM
0		用图片 品				20	63.9	420	95.3
							69.9	440	95.8
departe RAT		出記。出		hind HE		40	75.8	460	95.8
			HELLER			60	79.9	480	96.5
		计计计计	H	14:15:		80	82.6	500	97.4
						100	87.7	300	100.0
				i di tuli tu	STILL	720	88.1	520	100.2
	CONTRACTOR OF THE	Ell Fatti				120	89.0	540	100.5
				Harrie al		160	89.5	560	100.7
				学术用品引		180	90.5	580	101.0
			#1		THE T	200	90.2	600	102.1
					1 1941	200	91.1	- 19	102.1
共运1:1510[40]		THE PARTY	THE HEAL	THEFT		220	91.1	620	102.1
					111111	240	91.6	640	102.8
THE PERMIT	60		THE ST	HILLET		260	91.9	660	104.2
由日本世界的			AT HE		T I	280	92.3	680	104.9
haus Tide de		超過其	14 14		ASSESSED FOR	300	92.6	700	105.4
	6		4444		4.71	1- ,	93.9		105.9
在1941年				1.11		320	94.2	720	106.5
和正。[1] [2] 图图		LET THE	TEAH			340	94.2	740	107.2
				71-11-11		360	94.4	760	107.5
		1	ICK UF	@ 7651_		380	94.4	765	108.3
		0-0-	TCK OF	G /00/		400	94.6		111.3
		HAR		5 PHOTO			95.3		
								111	111111
IN THE MARKET HE					. 1144		on botto		:19 pm
		abilint	111111		mulh	Time o	off bott	om 11	:34 pm
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