

GLO2701-4

DRILL STEM TEST REPORT

STD OIL CO - OF CALIF

HIGHLAND L & L #1

Payette Co, Idaho

FIELD OR AREA NW Caldwell WELL NO. _____

DATE 6/1/73

11815 - 11935 Driv

DST NO. 3 INTERVAL 11830 - 11950 Schl

WELL DEPTH 11935 PLUG DEPTH _____ HOLE SIZE 9 7/8" FORMATION OR ZONE Basalt

TYPE TEST: _____ OPEN HOLE, CASED HOLE, _____ TIGHT HOLE, _____ STRADDLE TEST

WATER CUSHION 2000 FT. NITROGEN CUSHION _____ PSI

AIR CUSHION (TIGHT HOLE TEST) _____ FT. PACKERS SET AT 11815 & 11809 TAIL TO TD

DRILL COLLARS (ABOVE PACKER) 7", 2 1/2" & 2 1/4" SIZE DRILL PIPE 4 1/2"
O.D., I.D. & LENGTH

RAT HOLE VOLUME 15.8 BBLS. 225' in collars & 1035' in DP
(EQUIVALENT RISE IN DP & DRILL COLLARS)
(1260' over all rise)

GAS TO SURFACE IN _____ MIN. FLUID TO SURFACE IN _____ MIN.

DESCRIPTION OF BLOW none

RECOVERY (Include description of MFE or comparable sample.)

FT.	BBLS.	DESCRIPTION	SALINITY (PPM) OR GRAVITY (API)	REMARKS
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2000'	28.5	wtr cushion		
410'	5.8	Drly fluid		ITAL (reversed out)

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*Declassified
per commission
regulation after
1 yr in 1973*

CARL N. SAVAGE P. G.
ASSOCIATE CHIEF
IDAHO BUR. MINES & GEOL.
MOSCOW, IDAHO 83843

NET RISE 410' MUD FILTRATE SALINITY _____ PPM

PRESSURE CHARTS	DURATION	INSIDE	TOP OUTSIDE	BOTTOM OUTSIDE
DEPTH		#3431	#338C	#3363
IH		11798'	11927'	11931'
I 1st FLOW		?	6471	6379
F 1st FLOW		2331	2763	2536
ISI	<i>packers failed</i>			
I 2nd FLOW	<i>immediately</i>			
F 2nd FLOW				
FSI				
FH		6442	6301	6309

Temperature 2 thermometers (24 hr clock) (24 hr clock) (12 hr clock)

- ① 300° rdg - read 227° F.
- ② 600° rdg - broken - was loose in carrier - wrapped.

TEST WITNESSED BY A. G. H. H.

Std Oil Co of California
Highland L # L #1
Payette Co., Idaho

DRILL STEM TEST LOG

WELL NO. NW Caldwell DST NO. 2 INTERVAL 11850-11935 DATE 6/5/73
Area (Drlr)

REMARKS - List all pertinent data including times tool opened & closed, description of blow, time gas & fluid surfaced, depthograph readings, surface pressure readings, etc.

TIME

9:02 PM To moderate blow off bottom 13" wt- increasing to vigorous at end of 7 min. period

9:09 PM closed in for ISI surface blow continued moderate to slight (decreasing) throughout

10:09 PM Opened to surface for FF Slight blow, decreasing

10:13 PM Mud dropped in annulus at increasing rate, added weight to packers, did not stem flow

Packers failed - pulled tester loose w/ 225,000 * (string weight 192,000 * w/ normal drag)

3 thermometers run had range 200° - 500° F.

HowCO Ticket No. 231559
Bill Marker - tester

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WITNESSED BY A. W. Gilbert

DRILL STEM TEST REPORT

Std Oil Co of Calif.
Highland L & L *
Payette Co., Idaho

DATE 6/5/73
11850-11935 (Dr/r)
11865-11950 (Sch.)

FIELD OR AREA NW Caldwell WELL NO. 1 DST NO. 2 INTERVAL 11850-11935 (Dr/r)
WELL DEPTH 11935 R PLUG DEPTH - HOLE SIZE 9 3/8" FORMATION OR ZONE Basalt

TYPE TEST: OPEN HOLE, X CASED HOLE, TIGHT HOLE, STRADDLE TEST

WATER CUSHION 3000 FT. NITROGEN CUSHION PSI

AIR CUSHION (TIGHT HOLE TEST) FT. PACKERS SET AT 11844 TAIL TO TD

DRILL COLLARS (ABOVE PACKER) 7", 2 1/2" & 2 1/2" SIZE DRILL PIPE 4 1/2"
O.D., I.D. & LENGTH

RAT HOLE VOLUME 13.0 BBLs. 225' in collars & 839' in DP
(EQUIVALENT RISE IN DP & DRILL COLLARS) (1064' overall rise)

GAS TO SURFACE IN MIN. FLUID TO SURFACE IN MIN.

DESCRIPTION OF BLOW 1st flow - moderate, increasing 2nd flow - slight,
decreasing

RECOVERY (Include description of MFE or comparable sample.)

FT.	BBLs.	DESCRIPTION	SALINITY (PPM) OR GRAVITY (API)	REMARKS
3000	41.5	intr cushion	tr	intr from shallow well nearby location
757	10.5	drly fluid	tr	not gas cut

(Reverse circulated WC & DF - 158° F. measured at reversing flowline)

CARL N. SAVAGE P. G.
ASSOCIATE CHIEF
IDAHO BUR. MINES & GEOL.
MOSCOW, IDAHO 83843
Declassified per Commission Regulation after 1 yr on Savage

NET RISE 0 (packer failure) MUD FILTRATE SALINITY tr PPM

PRESSURE CHARTS	DURATION	INSIDE	TOP OUTSIDE	BOTTOM OUTSIDE
DEPTH		*3431	*3380	*3363
IH		11833	11927	11931
I 1st FLOW		6160		6521
F 1st FLOW	<u>7 min</u>	1220		1421
ISI	<u>60 min</u>	1292	recorder failed	1421
I 2nd FLOW		2717		- 2659
F 2nd FLOW	<u>pkc failed</u>	1582 (?)	(probably due to pkc)	1470
FSI		1775 (?)		1713
FH		-		-
		6019		6379

Temperature 3 thermometers (All 24-hr clocks & 9000* recorders)
 ① > 500° F (broken glass)
 ② 410° F
 ③ 323° F. had been run on

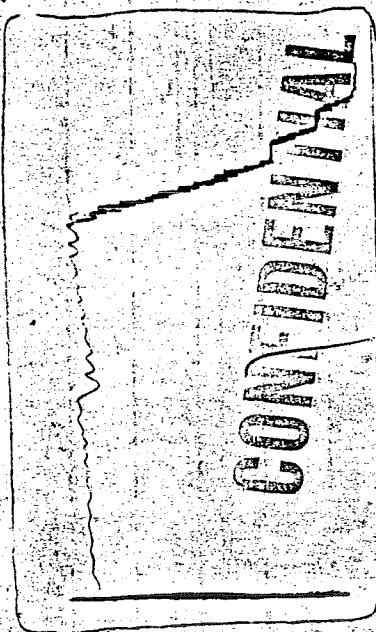
Call UNITED

(213) 426-7061

for Directional Drilling and Surveying

3380 Top outside

← cleared out of cone

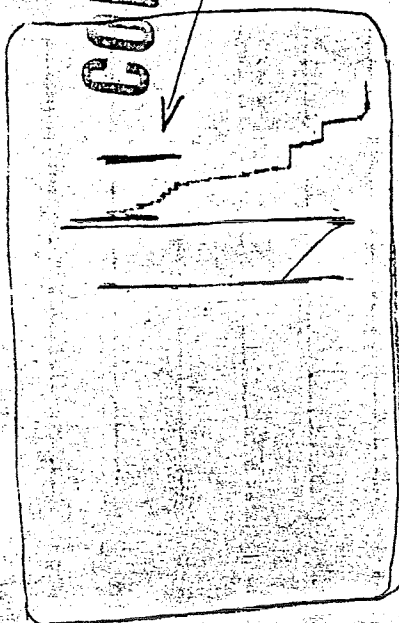


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Re location requires
Re Commission
Re after 1 yr.

3431 INSIDE

Both
wrinkled
difficult
to remove
from
carrier

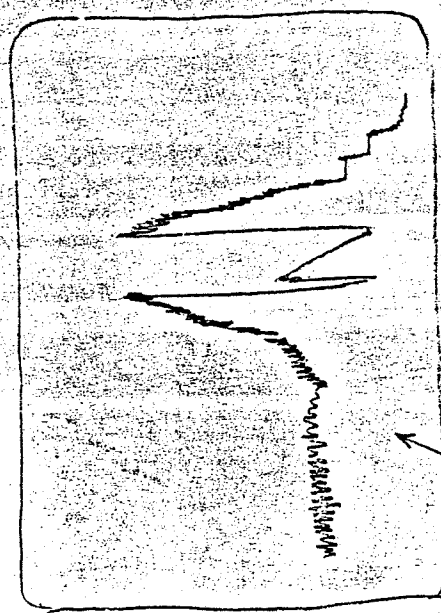


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clock
"baked
up"

CARL N. SAVAGE P. C.
ASSOCIATE CHIEF
BUR. MINES & GEOL.
IDAHO 83843

3363 Bottom outside



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"ran away"

Declassified
Re Commission
Re paper after 1 yr.
CNS/xyz

CARL N. SAVAGE P. C.
ASSOCIATE CHIEF
IDAHO BUR. MINES & GEOL.
MOSCOW, IDAHO 83843

HIGHLAND LSC #1

DST #1 7388 - 7423'

IF - 5 MIN Open 10:38 AM 4/12/73 - SI 10:43 AM
 ISI - 30 MIN 10:43 - 11:13 AM
 FF - 64 MIN 11:13 AM - 12:17 PM
 FSI - 128 MIN 12:17 PM - 2:25 PM 4/13/73

GAS TO SURFACE 2 MIN AFTER START FINAL
 FLOW PERIOD. ALL METHANE, FLOW RATE TOO
 SMALL TO MEASURE.

PULLED TO RISE - RECOVERED 6640' RISE
 (93 BBLS) INCL 3 BBLS NAT. HOLE MUD
 AND 90 BBLS. FORMATION WATER -
 FRESH WATER AVE SALINITY 350 PPM
 (RANGE 300 - 400 PPM) - PULLED 11 STANDS
 (15 BBLS) - BACKCUTTED 78 BBLS.

PULLING TOOLS AT 4:05 PM

J. Hill

Reclassified
 Per Commission
 Regulation
 letter 142
 11/1/73

CONFIDENTIAL

CARL N. SAVAGE P. G.
 ASSOCIATE CHIEF
 MINES & GEOL.

3. JOK
STANDARD OIL COMPANY OF CALIFORNIA.
WESTERN OPERATIONS, INC.

CORE DESCRIPTION

WELL Highland L & L #1 ELEV 2647 KB
 COUNTY Payette STATE Idaho AREA NW Caldwell
 DESCRIBED BY A W Gilbert DATE May 18 1973
 CORE # 6 DEPTH OF INTERVAL CUT 11947 - 11952 = 5 FEET. RECOVERY = 4 FEET.
 BIT TYPE DIA. DESCRIPTION ORDER: ROCK TYPE, COLOR, BEDDING, TEXTURE, HARDNESS, SORTING, GRAIN
 COMPOSITION, CEMENT & MATRIX, FOSSILS, STAIN, OOR, CUT, FLUORESCENCE. SCALE $\frac{1}{2}$ INCH = 1 FOOT

INTERVAL	DIP°	LITH	DESCRIPTION	INTERVAL	DIP°	LITH	DESCRIPTION
11947		+ +	4' Basalt, dk gun gr olivine rich, clear plag laths commonly 2mm long, aug grain size prob >0.5mm minor essent. vert. hair line fracs wavy horiz. fracs very closely spaced in lower ft. (looks somewhat like poker chip sh)				
18		+ +					
18		+ +					
17		+ +					
11950		+ +					
20		+ +					
17		- +	1' N.R.				
11952							

- 1) 8 $\frac{19}{32}$ " x 4" core head & dia.
- 2) SPLS TO Geochron Labs for age dating:
 11948
 11949
 11950
- 3) Core jammed @ 11952. Rotation suddenly stopped and core head was firmly stuck. Had to jar with pump shut down to get loose.
- 4) Core removed in pieces up to 14" long.

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**STANDARD OIL COMPANY OF CALIFORNIA.
WESTERN OPERATIONS, INC.**

CORE DESCRIPTION

COMPANY Std Oil Co of Calif. WELL Highland L & L #1 ELEV 2647 ft.
 SEC 24 T 6 N R 5 W COUNTY Payette STATE Idaho AREA NW Caldwell
 DESCRIBED BY AV Gilbert DATE May 9 1973
 CORE # 5 DEPTH OF INTERVAL CUT 11519 - 11542 = 23 FEET. RECOVERY = 18 FEET.
 BIT TYPE Dia. DESCRIPTION ORDER: ROCK TYPE, COLOR, BEDDING, TEXTURE, HARDNESS, SORTING, GRAIN
 COMPOSITION, CEMENT & MATRIX, FOSSILS, STAIN, ODOR, CUT, FLUORESCENCE. SCALE $\frac{1}{2}$ INCH = 1 FOOT.

INTERVAL	DIP°	LITH	DESCRIPTION	INTERVAL	DIP°	LITH	DESCRIPTION
11519		+	12' Basalt, v dkgr, abund thin plag. laths in blk ground mass, nodules of pyr up to 1/2", common gon spherules in grng matrix top 2', highly broken	17		←	irreg. frags calcite filled
11520		+	Unheated nearly vert. frags	11535	0 (?)	—	2 1/2 Shale, dkgr-blk (brn cast) f divided musc, v firm
27		+		22		—	Sub-horiz. calcite seam
12		+		14	27° (?)	—	← dip (?) on silty lens
12		+		18		X	5' No recovery
14		+	Calcite seams to 1/4" some contortion some pyrte coating	17		X	
21		+		17		X	
11525		+		11540		X	
18		+	fibrous serpentine common on frag. (prob. frag.) faces	15		X	
22		+		19		X	
20		+		11542		X	
17		+				X	
17		+			X		
11530		+			X		
14		+			X		
15			3 1/2' Tuff, wh-ltgr, v firm, abund glass shards & needles, few leas pyrte sh & basalt				
16			← minor calcite healed frags various angles to almost horiz.				
18							

- 1) Total coring time 7 hrs 22 min
- 2) Christensen head 8 2 3/32" x 4"
- 3) Entire core mostly rubble
Longest solid piece 1 foot @ 11520-21
- 4) 3 samples (19 1/2 lbs.) to Geochron Labs for age dating, from
11520
11524
11527

**STANDARD OIL COMPANY OF CALIFORNIA,
WESTERN OPERATIONS, INC.**

Company Std Oil Co of Calif WELL Highland L & L #1 ELEV 2647' KB
 SECTION 6N R 5W COUNTY Payette STATE Idaho AREA NW Caldwell
 DESCRIBED BY AW Gilbert DATE Apr 11 1973
 CORE # 3 DEPTH OF INTERVAL CUT 7401 - 7423 = 22 FEET. RECOVERY = 22 FEET.
 BIT TYPE Dia. DESCRIPTION ORDER: ROCK TYPE, COLOR, BEDDING, TEXTURE, HARDNESS, SORTING, GRAIN
 COMPOSITION, CEMENT & MATRIX, FOSSILS, STAIN, ODOR, CUT, FLUORESCENCE. SCALE $\frac{1}{2}$ INCH = 1 FOOT

INTERVAL	DIP°	LITH	DESCRIPTION	INTERVAL	DIP°	LITH	DESCRIPTION
7401			<u>SS or Agglomerate</u> , v lt gr to wh at top grady downward to med gr, soft to firm, rdd grtz, lt colored tuff and soft dk volc frags in chalky non-calc tuffac (?) matrix mostly mg, fr - pr sort NOSCF	7416			
8				3	25°		
4	28°			2			
3 1/2				3	22°		
2			← any to rdd tuff grains to 1/4"	3			2' a/a but becoming v shaly top shale interval interrupted by offset 1/2" - 1" displ. fractures
7405				7420			
2				4	19°		
2			← v c to pebbly	7			2' SHALE, v dk gr, massive - even textured, non-hairline frac calcite filled
2				8	17°		calcareous, hd, lit. f. div. idest pyr & carb mat
2							
2 1/2			Porosity, estimate > 20% at top to 5% in lower portion. Basal few feet absorbs water readily				
7410							
2							1) Cut 22' in 1 hour 10 min
2							2) More - Christ head 8 7/32 x 4"
2							3) 7401 - 7418.5 wrapped in alu num foil and air shipped to CORC
2	14°						4) 7418.5 - 7423' air shipped to Dist. Geol., S.F.
2							5) Dips not fair to good
2 1/2			← angular shly incl to 4" thick calcite filled frac to 1/8", heavy				

3

Declassify per commission
regulation after one year unless
CNSA

STANDARD OIL COMPANY OF CALIFORNIA.

CONFIDENTIAL WESTERN OPERATIONS, INC. CORE DESCRIPTION

CARL N. SAVAGE P. G.
ASSOCIATE CHIEF
IDAHO BUR. MINES & GEOL.
MOSCOW IDAHO 83843
LEV 2647'

COMPANY Std Oil Co of Calif. WELL Highland L & L #1
SEC 24T 6N R5W COUNTY Franklin STATE Idaho AREA NW Caldwell
DESCRIBED BY Ann Gilbert DATE Apr 10 1973

CORE # 2 DEPTH OF INTERVAL CUT 7292 - 7309 = 17 FEET. RECOVERY = 16 FEET.
BIT TYPE DIA DESCRIPTION ORDER: ROCK TYPE, COLOR, BEDDING, TEXTURE, HARDNESS, SORTING, GRAIN
COMPOSITION, CEMENT & MATRIX, FOSSILS, STAIN, ODOR, CUT, FLUORESCENCE. SCALE $\frac{1}{2}$ INCH = 1 FOOT

INTERVAL	DIP°	LITH	DESCRIPTION	INTERVAL	DIP°	LITH	DESCRIPTION
7292	6	+	16' Basalt, dk grn gr, blk augite and clear plagio. grains typically 0.5 to 2.0 mm. in groundmass of finer xln dk grn min. epal. Scot calcite to 1/4"	14		X	bottom 1 1/2' rec. as rubble 1/2-4" pieces
H	4	+		16		X	1' No recovery
8		+		7309			
7295	8	+		Black pyroxene grains give rock a speckled appearance. Scot. small (to 1/2") areas of denser texture due to microxln grn size			
8		+					
6			← short frags				
10		+					
10		+					
7300	6	+	← From 7300' core removed in long broken slabs w/ almost continuous vert. frags.				Bit Size 8 23/32" x 4" 3 SPLS (7295', 7300', 7305', 14 pounds) sent to Geochron Labs for age dating.
8		+					
10		+					
10		+					
7305	10	+					
12		X					

SIDEWALK CORE DESCRIPTION FORM

COMPANY

DIVISION

DECLASSIFIED FOR COMMERCIAL REPRODUCTION AFTER 1 YEAR

CONFIDENTIAL

ASSOCIATE CHIEF
 IDAHO BUR. MINES & GEO.
 83842
 MOSCOW, IDAHO
 GEOLOGIST

DATE 3/17/73 RUN NO. SERVICE CO. Schlumberger

RECOVERED 21 / ATTEMPTED 21

DEPTH (feet)	REC. (inches)	LITHOLOGY: List type, color, hardness, grain size, angularity, sorting & accessories	POROSITY	PERMEABILITY	ODOR	STAIN		FLUORESCENCE		WET CUT	
						Distribution	Color	Distribution	Color	Quantity	Color
1100	2	clayst, m-dk gr (grn cast), structureless, sectile, calcareous			none	none	none	none	none	none	none
1300	1 3/4	Clayst, a/a									
1400	Broken 1 1/2	clayst, a/a few scat small mica flakes									
1500	2	Clayst, a/a									
1900	1 3/4	Clayst, dk gr (grn cast), structureless, non-sectile									
2000	2	clayst, a/a; non-calc, but chert nodules in clasts									
2100	1 3/4	Clayst, a/a but poss. dolomitic									
2200	1 3/4	Clayst, a/a but v. calc, few small patches of white, micaceous, ashy material									
2309	1 3/4	Clayst, a/a w/ incr amt silty ashy mat.									
2400	1 1/2	Clayst, m-dk gr (grn cast), structureless, firm but sectile, v. calc									
2500	1 3/4	Clayst, a/a but non-calc									
2600	2	Clayst, c/a perhaps dolomitic									
2700	1 3/4	clayst, a/a but much firmer, non-calc									
2800	2	a/a									
2900	1 1/2	a/a, dolomitic									
3000	2	Clayst, m-dk gr w/ grn cast compact									
3012	1 1/2	clayst, 1/2 grn gr, structureless, compact firm, v. calc.									
1600	NR										
1190	NR										

patchy dull mottled blue
 patchy bright mottled blue
 none

SHLAND L & L #1

SIDEWALL

COMPANY

DIVISION

CLASSIFIED 4

DATE: 5/3/73 RUN NO. 20003 SERVICE CO. SCHL. ATTEMPTED 45 RECOVERED 29 GEOLO

DEPTH	REC	LITHOLOGY - Size - 1/2", color, hardness, grain size, regularity, sorting & accessories.	PERMEABILITY	COOR	STAIN		FLUORESCENCE	
					Chemical	Color	Chemical	Intensity
7045	1 1/4"	Shaly clayst, dk brn gr. soft, micaceous, silty, clay		none	none	none	none	
7573	2"	aka but darker gray		none	"	"	"	
7583	1 1/2"	aka but darker brown firm but malleable or plastic		none	"	"	"	
7662	1 1/4"	Soft clay - shale dk brn gr non-caliche micaceous, in mottling		none	"	"	"	
7666	1 1/2"	Soft clay, dk brn, v silty calc. few sd grains - sand		"	"	"	"	
7698	1 1/2"	Sd, Hgr, inf, basalt and gls. gray to buffaceous calc. pr	low	"	"	"	"	
7703	1 1/2"	Sd, aka buff finer - silty fri	pr v low	"	"	"	"	
7713	1 1/4"	Clay. fine but silty malleable; dk gr.		"	"	"	"	
8813	5 1/2 feet	Ss (?) similar to 7698 but w/ prob. v. soft friable silty calc. pr	low	"	"	"	"	
8817	1 3/4"	Tuff silty - silty Hgr. pr. in some patchy areas. fr ss pr	low	"	"	"	"	
8854	1 1/4"	aka but v clayey and soft		"	"	"	"	
8860	2 1/2 feet	Ss, v Hgr soft fri. silty calc. pr	low	"	"	"	"	
8887	5"	Clay, v Hgr gr silty - silty v soft silty calc. pr		"	"	"	"	
8906	1"	aka fine micaceous (shale)		"	"	"	"	
8910	1 1/2 feet	Tuffaceous clay v dk brn gr non calc firm		"	"	"	"	
8926	1"	(Clay Hgr. ign rock) silty - silty soft non calc. soft friable		"	"	"	"	
8980	1 1/2"	Rhyolitic tuff cream - wh. platy		"	"	"	"	

SIDEWALL

CORE DESCRIPTION COMPANY

DIVISION

CLASSIFIED

PERMANENTLY ATTEMPTED 45

RECOVERED 29

GEOLO

5/2/73 RUN NO. 2 PMS SERVICE CO. SCH. 2

LITHOLOGY: List - type, color, hardness, grain size, angularity, sorting & accessories.

DEPTH	SEC	LITHOLOGY	PERMEABILITY	COOR	STAIN		FLUORESCENCE	
					Dist. Color	Color	Dist. Intensity	Color
9307	1/2"	SS, H gr gr, soft-fri f-of v claygy gdy to silty clay	pc	none	none	none	none	
9312	3/4"	Thin lenses soft dk gr sh f of sd soft-form v clay	pc	"	"	"	"	
9372	1/2"	Sdy Tuff(?) H gr (grn cast) firm, v silty, calc	pc	"	"	"	"	
9372	3/4"	Highly altered basalt [to soft grn chlorite (?) mat.]						
9375	3/4"	Tuff(?) H gr, silty, sdy, non-calc, firm, v sandy						
10096	found 5/2/73	Sh dk brng, v hard non-calc even textured						
10190	3/4"	Sd, H gr, v silty, v claygy gdy to silty clay soft calc	pc	none	none	none	none	
10138	3/4"	aka but mostly clay some non-calc bed nodules		"	"	"	"	
10309	3/4"	Sh, brn gr, v silty, non-calc soft		"	"	"	"	
10650	3/4"	Sh, brn gr, non-silty, soft firm, floky, non-calc						
10660	3/4"	Sh aka highly mud imbedded						
10675	1"	SS, med bn gr, v silty, f of soft, fri	off 15%	none	none	none	none	

HAND 2 PL #1

SIDEWALL (C)

CORE DESCRIPTION FORM
COMPANY DIVISION

STO 516 CO OF CALIF
 MELE: HALLAND L & L #1
 24 - 6N - 5W
 IDO: Payette Co. Idaho

*Delivered by
 Per Company
 Rep. of Payette*

CARL N. SAVAGE P. G.
 ASSOCIATE CHIEF
 IDAHO BUR. MINES & GEOL.
 MOSCOW, IDAHO 83843

DATE 5/23/75 RUN NO. _____ SERVICE CO. SCHL ATTEMPTED 43 RECOVERED 26 GEO _____

NO.	DEPTH REC.	LITHOLOGY: Lith. type, color, hardness, grain size, impurities, sorting & ecclesiastics.	PERCENTAGE FRESHNESS ABILITY	CORES	STAIN		FLUORESCENCE	
					Disturbance	Color	Disturbance	Intensity
10709	1/2"	Shale, brn gr, flakey, silty calc, f divided carb matter						
10724	NR							
10744	1/4"	Few rubbles only. May be Truff, tan, hard, silty pyrite						
10849	1"	Basalt, dk th-grn, amygdaloidal, but highly altered		None	None			None
10919	Least balled							
10930	1"	Basalt, crumbly, amygdaloidal, highly zeolitoidal						
11160	NR							
11220	Least balled							
11231	3/4"	Sand, lt brn gr, v.f.-f, silty, v soft and fri, shaly lenses th each flake	15-20%	fr	None			None
11237	1/2"	Sand, g/a, very soft but may be more clayey	10-15%	fr-pr				
11245	1/4"	Very Poor Spl. Prob soft brn shaly siltst						
11253	1/4" broken	Sand, lt brn gr, m, fr-pr silt, v soft - fri, sand, silt th grains, may be Truff	15%	fr?				
11488	NR							
11508	1/2" broken	Very poor spl. Prob soft brn shaly siltst						
11559	3/4"	Shale, dk brn, soft - flakey, calc, hydrates readily						
11568	1/2" broken	Shale, lt gr, buffac., silty - sdy, soft - flakey						
11675	1"	g/a. Very poorly compacted						
11692	1/4"	Sand, lt brn gr, f, fr silt, v soft, v Truff grading to silty Truff	fr	fr				None
11892	1/4" broken	Broken Basalt, dk grn gr, f, soft (prob due to shattering)						

STD OIL CO OF CALIF
HIGHLAND L & L #1
Payette Co, Idaho

DRILL STEM TEST LOG

WELL NO. _____

DST NO. _____

3

INTERVAL 11815-11935 DATE 6/7/73

REMARKS - List all pertinent data including times tool opened & closed, description of blow, time gas & fluid surfaced, depthograph readings, surface pressure readings, etc.

TIME

4:55 PM

Set packers - failed immediately

Packers badly damaged - gouged, scratched,
and approx. 1/2 rubber torn away

Ticket No. 231559

CONFIDENTIAL