

FILE NOTATIONS

Entered in NID file _____
Entered On S R Sheet _____
Location Map Pinned _____
Card Indexed _____
IWR for State or Fee Land _____

Checked by Chief _____
Copy NID to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 7-11-56
OW _____ WW _____ TA _____
GW _____ OS _____ PA X

Location Inspected _____
Bond released _____
State of Fee Land _____

LOGS FILED

Driller's Log 7-26-56
Electric Logs (No. 1) _____

E 2 _____ Et _____ GR _____ GR-N 2 _____ Micro _____
Lat _____ Mkt _____ Sente _____ Others _____



SHELL OIL COMPANY

DESERET NEWS BUILDING
33 RICHARDS STREET
SALT LAKE CITY 1, UTAH

June 11, 1956

DAvis 2-047t

TELEPHONE ~~2-0474~~

*Noted
C.A.H.
7-16-56*

Oil and Gas Conservation Commission
Room 105 Capitol Building
Salt Lake City, Utah

Attention Mr. C. B. Feight.

Gentlemen:

Enclosed for your information are field prints for the electrical survey and gamma ray-neutron log for our Saldure 1 well, located in Section 4, T. 2S., R. 18W., Tooele County, Utah, which we are abandoning. We will also send final copies of these logs to you as soon as they have been made ready for distribution.

Very truly yours,

B.W. Shepard

B.W. Shepard
Exploitation Engineer

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
NOTICE OF INTENTION TO DRILL

June 22 19 56

OIL AND GAS CONSERVATION COMMISSION

In compliance with Rule G-4, notice is hereby given that it is our intention to commence the work of drilling Well No. Saldure 1 which is located 1980 ft from ^(N) line and 1980 ft from ^(S) line of Sec 4, Twp 2 S., R 18 W., S.L.B. & M. Stratigraphic Test
^(Meridian) ^(Field or Unit)

Tecole on or about 27 day of June 19 56
(County)

LAND: Fee and Patented (X) Name of Owner of patent or lease Bonneville, Ltd.
State () Allied Chemical & 209 Washington Street
Lease No _____ Address Dye Corp. Boston 8, Mass.
Public Domain () 61 Broadway
Lease No _____ New York, New York

Is location a regular or exception to spacing rule? Regular Has a surety bond been filed? yes With whom? State Area in drilling unit 40 acres
(State of Federal)

Elevation of ground above sea level is 4213+ ft. All depth measurements taken from top of Kelly Bushing which is _____ ft above ground
(Derrick Floor, Rotary Table or Kelley Bushing)

Type of tools to be used Rotary. Proposed drilling depth 6500+ ft. Objective formation is Tertiary sandstones and possible upper Paleozoic sediments.

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight Per Foot	Grade and Type	Amount Ft. In.	Top	Bottom	Cementing	Depths
<u>10 3/4"</u>	<u>40.5</u>	<u>H-10</u>	<u>800+</u>			<u>Cemented to surface</u>	

AFFIDAVIT

I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and belief, true, correct and complete.

Approved for regular spacing _____
Date June 26 19 56
By W. J. Smart
Title COMMISSIONER

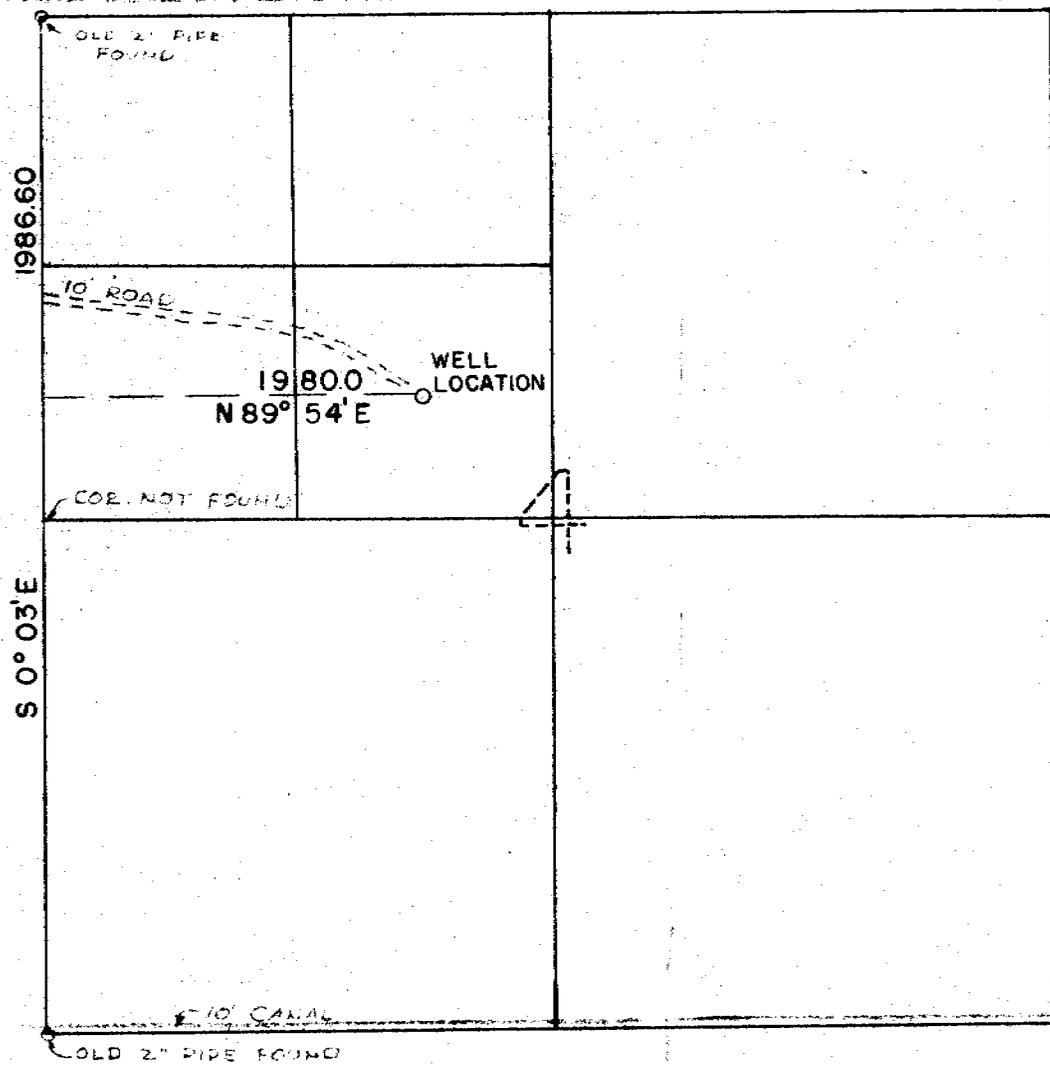
By R. E. Eddy
R. E. Eddy
Senior Exploitation Engineer
(Title or Position)
Shell Oil Company
(Company or Operator)

Address 33 Richards Street
Salt Lake City 1, Utah

INSTRUCTIONS:

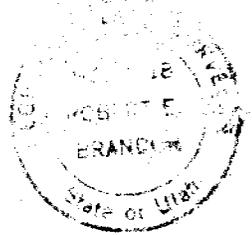
1. Complete this form in duplicate and mail both copies to the Oil and Gas Conservation Commission, Rm 105, Capitol Bldg, Salt Lake City 14, Utah.
2. A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.
3. Any information required by this form that cannot be furnished at the time said form is submitted must be forwarded to the commission as soon as available.
4. Use back of form for remarks.

30 247



I, Robert E. Brandon, Registered Land Surveyor, State of Utah, License No. 1518, do hereby certify that I have surveyed this well site and find it as shown, being in center of SE 1/4 of NW 1/4, Section 4, T2S, R18W, SLB&M.

Robert E. Brandon
 Registered Land Surveyor



METROPOLITAN ENGINEERS, INC. CONSULTING ENGINEERS 140 WEST 2nd SOUTH SALT LAKE CITY, UTAH	NAME OF OWNER SHELL OIL COMPANY	CONTRACT No. LA-05577 09309
	LOCATION OF JOB SEC. 4, T2S, R18W, SLB&M	DRAWING No. B 65-P 28
DRAWN BY BM ^c DATE 6/20 CHECKED BY CCP DATE 6/20 SCALE: 1"=1000'	TITLE OF DRAWING SALDURO NO. 1	

June 26, 1956

Shell Oil Company
33 Richards Street
Salt Lake City, Utah

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Salduro 1, which is located 1980 feet from the north line and 1980 feet from the west line of Section 4, Township 2 South, Range 18 West, SLB & M, Tooele County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

GILSON B. FEIGHT
SECRETARY

GBF:co

cc: Don Russell, Dist. Eng.
USGS, Federal Bldg.
Salt Lake City, Utah

June 26, 1956

Shell Oil Company
33 Richards St.
Salt Lake City, Utah

Gentlemen:

Please take note that before plugging and abandoning Well No. Salduro 1, which you are drilling on Section 4, Township 2 South, Range 18 West, Tooele County, you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals by phone or otherwise, in order that our Petroleum Engineer may be present to inspect the manner in which the well is being plugged.

C. A. HAUPTMAN, Petroleum Engineer, Office phone: DA 2-4721, Ex 438

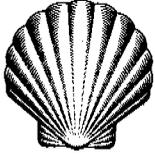
C. B. FEIGHT, Office phone: DA 2-4721, Ex 438
Home phone: CR 7-3263

Address all other forms of communication to the Oil & Gas Conservation Commission, Rm 105, State Capitol Bldg, Salt Lake City, Utah.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

H. F. SMART
COMMISSIONER



SHELL OIL COMPANY

DESERET NEWS BUILDING
33 RICHARDS STREET
SALT LAKE CITY 1, UTAH

July 5, 1956

DAvis 2-0471

TELEPHONE 2-2-0-471

*Noted
CAF
7-9-56*

Oil and Gas Conservation Commission
Room 105 Capitol Building
Salt Lake City, Utah

Gentlemen:

This is to inform you that at our Salduro 1 well, Tooele County, Utah, surface casing has been set as follows:

7-23-56 Ran and cemented 10 3/4", 40.5#, H-40, ST & C casing at 765' with 350 sacks construction cement (salinity of water used to mix cement 200,000 ppm), 115# slurry. Centralizers at 405', 565' and 725'. Good cement returns at surface. Finished 7:15 P.M. 7-2-56. Flanged up and installed blow-out equipment. Tested blowout equipment and casing with 700 psi for 15 minutes, OK.

Very truly yours,

B. W. Shepard
B. W. Shepard
Exploitation Engineer

KAH:LB

cc - Mr. D. F. Russell, District Engineer, U. S. Geological Survey

July 23, 1956

Shell Oil Company
33 Richards Street
Salt Lake City, Utah

Attention: Exploit. Engineer

Sir:

Please be advised that the scale of the Gamma Ray log on your Caldera #1, Milcent, Tropic Co., Utah is in error.

The corrected scale should show the sensitivity to be 1.0 to 24.0 /gms Ra eq/Ton, and the gamma-ray zero to be 2 Div. to the left.

We hope that this error has not caused you any inconvenience and look forward to the opportunity to be of further service.

Very truly yours,

JOHN HENNINGER WELLS SURVEYING CORPORATION

R. S. Kudria

REK/ab

cc - Shell Oil Co., 33 Richards St.,
Salt Lake City, Attn: Div. Exploration
Shell Oil Co., Box 269, Elr. Nev.
U. S. Geological Survey, 126 Federal Bldg.,
Salt Lake City, Utah
State of Utah Oil & Gas Conservation Commission,
Room 129, State Capitol Building, Salt Lake City, Utah

Noted in NID file
cos 5

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
LOG OF OIL OR GAS WELL

Well No Salduro 1, which is located 1980 ft from (N/E) line and 1980 ft from (E/W)

Line of Sec. 4 Twp 2 S, R 18 W, S.L.B.&M. Stratigraphic Test Tooele, Utah
(Meridian) (Field or Unit) (County)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records as of July 11, 19 56 and is to be kept confidential until , 19 (See Rule C-5).

Drilling operations were ~~(suspended)~~ ~~(suspended)~~ (abandoned) on July 11, 19 56

Date: JUL 25 1956, 19 Signed: B.W. Shepard Title: Exploitation Engineer

OIL OR GAS SANDS OR ZONES

None

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

Noted
cost 7-27-56.

IMPORTANT WATER SANDS OR ZONES

None Noted

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size of Hole	Size Casing	Weight per ft.	Threads Per Inch	Make	Amount	Kind of shoe	Cut & Pulled from	Perforated from to	Purpose
13-3/4	10-3/4	40-50#	8 rd.	Spang	765'	Baker	--	--	Surface

MUDDING AND CEMENTING RECORD

Size Casing	Where Set	Number Sacks of Cement	Method Used	Mud Gravity	Amount of Mud Used
10-3/4	765'	350 sacks	displacement	--	--

TOOLS USED

Cable tools were used from 0 to 2950 T.D. and from to
Rotary tools were used from to and from to

Abandoned as a "dry hole" on July 11, 1956.

PRODUCTION

Went to Producing , 19

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was oil; % was emulsion; % was water; and % was sediment.

Gravity:

GAS WELL: The production during the first 24 hours was MCF plus barrels of liquid hydrocarbon. Shut in Pressure lbs. Length of time shut in

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1375	1375	Bonneville (?)				
1375	2742	1367	Salt Lake (?)				
2742			Diabase				

HISTORY OF WELL

See Attached

(If additional space is needed use back of page or attach separate sheet)

cc - D. F. Russell
U. S. G. S.
Salt Lake City, Utah

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: - The methods and procedure for plugging a well shall be as follows: (a) The bottom of the hole shall be filled to, or a bridge shall be placed at, the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.

(b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.

(c) A plug shall be placed at or near the surface of the ground in each hole.

(d) The interval between plugs shall be filled with heavy mud laden fluid.

(e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Saiduro County Teese

Lease Name -- Well No. 1 Sec 4 Twp 2S Range 18W

Date well was plugged July 11, 19 56

Was the well plugged according to regulation of the Commission? Yes

*Noted
C.H.
7-18-56*

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole. (giving size, top and bottom elevations of each section of abandoned casing)

1. Method used in plugging: Displacement

2. Materials used: Cement and mud

3. Plugs:

(a) With open end drill pipe hung at 2780 plugged with 30 sacks cement (2780-2680)

(Over)

B.W. Shepard
Exploitation Engineer
Shell Oil Company

Address 33 Richards Street
Salt Lake City, Utah

AFFIDAVIT

STATE OF UTAH

COUNTY OF Utah

Before me, the undersigned authority, on this day personally appeared B.W. Shepard known to me to be the person whose name is subscribed to the above instrument who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct. Subscribed and sworn to before me this 12 day of July, 1956

My Commission Expires: JUNE 9, 1950

Geo. A. Johnson
(Notary Public)

INSTRUCTIONS: Complete this form in duplicate and mail both copies to the Oil and Gas Conservation Commission, Room 105, Capitel Bldg, Salt Lake City 14, Utah.

cc - D.F. Russell, District Engineer, U.S.G.S.
306 Federal Building
Salt Lake City, Utah

- (b) With drill pipe hung at 1970 plugged with 30 sacks cement (1970-1870)
- (c) With drill pipe hung at 1600 plugged with 30 sacks cement (1600-1500)
- (d) With drill pipe hung at 775 plugged with 50 sacks cement (775-675)

- 4. Heavily mud laden fluid was used between each plug.
- 5. Ran in and found firm cement at 680'.
- 6. Surface casing left in hole 0-765'.
- 7. Plugged at surface with a 10 sack cement plug, installed marker and officially abandoned on 7-12-56.

(1970-0100) ...
 ...
 ...
 ...

... : ...
 ... : ...
 ... : ...



SHELL OIL COMPANY

WELL NO. 1Salduro

(FIELD)

Tooele County, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

July 3, 1956Section 4

(SECTION OR LEASE)

T 2 S, R 18 W, SLBM

(TOWNSHIP OR RANGHO)

DAY 1956	DEPTHS		REMARKS
	FROM	TO	
			<p>LOCATION: Center of SE quarter of NW quarter, Section 4, T. 2 S., R. 18 W., S.L.B.&M., Tooele County, Utah</p> <p>ELEVATIONS: G.L. 4216.00' D.F. 4225.05' K.B. 4227.35'</p>
6-30	0	42	Spudded 10.00 A.M. (6-30-56), ran and cemented 16" conductor pipe at 42' with 39 sacks Ideal Construction cement.
7-1	42	769	Drilled 769' (13 3/4" hole). Ran 10 3/4" 40 S.T.&C. Spang 40-50# casing, shoe at 765'. Baker guide shoe centralizers at 405', 565', 725'. Halliburton cemented with 350 sacks Ideal Construction Cement mixed 115# slurry, not treated with calcium chloride (rig water supply 190,000 ppm (t) NaCl). Used top and bottom wooden plugs, good cement returns. Found firm cement at 732'.
7-2			Flanged up casing, installed 10" series 900 manual Shaffer control gate with pipe rams and complete shut off rams.
7-3	769	1489	Tested B.O.E. and casing with 700 psi. for 15 minutes. Drilled cement, changed to new mud. Drilled 720', treated mud with water, gel, barafos, anhydrox, caustic soda, carbonox.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

Contractor: Colorado Wyoming
Drilling CompanyDrillers: Snuffer
Frather
MayR. W. Olsen

SIGNED

DRILLING REPORT

FOR PERIOD ENDING

July 11, 1956

Section 4

(SECTION OR LEASE)

T 2 S, R 18 W, SLBM

(TOWNSHIP OR RANCHO)

Salduro

(FIELD)

Tooele County, Utah

(COUNTY)

DAY 1956	DEPTHS		REMARKS
	FROM	TO	
7-4	1489	1504	Core #1: 1489-1504', recovered 11.0'.
	1504	1900	<u>Drilled 396'</u> , treated mud with water, gel, driscose, anhydrox, barafos, caustic soda, carbonox.
7-5	1900	1915	Core #2: 1900-15', recovered 11.0'.
7-6 to 7	1915	2820	<u>Drilled 905'</u> , treated mud with water, gel, driscose, caustic soda, carbonox.
7-8,9	2820	2830	Core #3: 2820-30', recovered 10.0'. <u>Drilled 111'</u> , converted to lime base mud at 2840'. Treated mud with water (sal. 10,000 ppm), gel, driscose, caustic soda, carbonox, lime.
	2941	2950	Core #4: 2941-50', recovered 9.0'.
7-10			Ran Schlumberger Electrical Survey, Gamma Ray-Neutron Log, Continuous Dipmeter.
7-11			Placed cement plugs through open end drill pipe as follows: 30 sacks @ 2780' 30 sacks @ 1970' 30 sacks @ 1600' 50 sacks @ 775' Found top of firm cement at 680'. Released rig at 7:00 P.M. (7-11-56). Installed marker, officially abandoned.

Mud Summary 7-4 to 7-9-56:

Wt. 9.5-10.2 lbs/gal.
 Vis. 35-53 sec.
 W.L. 10-20 cc.
 F.C. 2/32-4/32 in.
 pH 7.0-12.2
 Sal. 19,800-23,100 ppm (t) NaCl.
 Sand 2-3.5%

Tested B.O.E. daily.

Contractor: Colorado-Wyoming Drilling Co.

Drillers: Prather
 Snuffer

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
	0	42	16"	42' (cond. pipe)
13 3/4"	42	769	10 3/4"	765'
7 7/8"	769	1489		
DRILL PIPE SIZES <u>4 1/2"</u> F.H.				

R. W. Olsen

SIGNED

SHELL OIL COMPANY

WELL NO. 1

Salduro

(FIELD)

Tooele County, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

Section 4

(SECTION OR LEASE)

T 2 S, R 18 W, S1B&M

(TOWNSHIP OR RANGE)

DAY	DEPTHS		REMARKS																				
	FROM	TO																					
			<u>DEVIATION RECORD</u>																				
			<table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><u>Depth</u></th> <th style="text-align: left;"><u>Deviation</u></th> </tr> </thead> <tbody> <tr> <td>300'</td> <td>1/8°</td> </tr> <tr> <td>580'</td> <td>1/2°</td> </tr> <tr> <td>875'</td> <td>1°</td> </tr> <tr> <td>1175'</td> <td>1°</td> </tr> <tr> <td>1410'</td> <td>1°</td> </tr> <tr> <td>1740'</td> <td>1/2°</td> </tr> <tr> <td>2170'</td> <td>1/4°</td> </tr> <tr> <td>2470'</td> <td>1/4°</td> </tr> <tr> <td>2660'</td> <td>3/4°</td> </tr> </tbody> </table>	<u>Depth</u>	<u>Deviation</u>	300'	1/8°	580'	1/2°	875'	1°	1175'	1°	1410'	1°	1740'	1/2°	2170'	1/4°	2470'	1/4°	2660'	3/4°
<u>Depth</u>	<u>Deviation</u>																						
300'	1/8°																						
580'	1/2°																						
875'	1°																						
1175'	1°																						
1410'	1°																						
1740'	1/2°																						
2170'	1/4°																						
2470'	1/4°																						
2660'	3/4°																						

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

R. W. Olsen

SIGNED

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM 1489 TO 1504

CORES EXAMINED BY Roberts, Olsen

CORE RECORD

AREA OR FIELD Salduro

COMPANY Shell Oil Co.

LEASE AND WELL NO Salduro 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITC
1	1489	1504	11.0'	<p>11.0' <u>Conglomerate</u>, variegated dark reddish brown and dark green, irregular splotches of dark green, poorly consolidated, massive with no apparent bedding.</p> <p>50% clasts: average diameter 1/4", ranging up to 1", composed predominantly of volcanics (andesite or basalt) with rare vitric tuff and buff I VFA, ls. clasts angular to subrounded.</p> <p>50% matrix: clay to fine sand, calcareous, soft, predominantly red, rare green, common subrounded coarse grained quartz fragments.</p> <p>Probable age: Tertiary</p>	--	--	None

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%), 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%), 2-CLAY OR SHALE AND SAND (SAND 25-60%), 3-SAND WITH SHALE STREAKS (SAND 60-90%), S-SAND (90-100%).
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

DITCH SAMPLES

Examined by R.W. Olsen 40 to 1740
W. Roberts _____ to _____

Well Salduro 1
 Field or Area Salduro

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
40	340	100	<u>Clay</u> , light grayish green, calcareous, very soft and gummy.	
340	570	Av 70	<u>Clay</u> , as above.	
		30	<u>Gypsum</u> , transparent, fractured (or cleaved).	
570	610	90	<u>Gypsum</u> , as above.	
		10	<u>Clay</u> , as above.	
610	630	50	<u>Gypsum</u> , as above.	
		50	<u>Limestone</u> , light gray, III LA, oolitic, very fossiliferous.	
630	710	80	<u>Gypsum</u> , as above.	
		10	<u>Clay</u> , as above.	
		10	<u>Limestone</u> , as above.	
710	730	60	<u>Gypsum</u> , as above.	
		30	<u>Limestone</u> , light brownish gray, III LA, very fossiliferous.	
		10	<u>Clay</u> , as above.	
730	790	90	<u>Limestone</u> , as above.	
		10	<u>Gypsum</u> , as above.	
790	890	100	<u>Siltstone</u> , gray, calcareous, argillaceous.	
890	970	100	<u>Limestone</u> , <u>siltstone</u> , <u>gypsum</u> , interbedded, as above (Ls, I VFA).	
970	1320	100	<u>Shale</u> , <u>gypsum</u> , interbedded, shale: medium gray, silty, gummy.	
1320	1350	100	<u>Limestone</u> , medium gray, I VFA, very argillaceous.	
1350	1489	100	<u>Volcanic fragments</u> , composed of basalt, andesite, tuff, etc.	
1489	1504		Core #1, recovered 11.0'.	
1504	1610	100	<u>Conglomerate</u> , composed chiefly of volcanic fragments, altered reddish brown and green, clasts composed of andesite, rare tuff.	
1610	1740	100	<u>Volcanics</u> (andesite?), variegated, green, red, black, fine grained to aphanitic, calcite veinlets common.	
		Gas	Mud	Cuttings
		40-1740	0	0

DITCH SAMPLES

Examined by R.W. Olsen 1740 to 2950
W. Roberts _____ to _____Well Salduro 1
Field or Area Salduro

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
1740	1800	100	<u>Limestone</u> , light gray, I VFA, sandy, tuffaceous, contains biotite, chert and rare pyrite.	
1800	1840	100	<u>Tuff</u> (?), bright yellow, altered.	
1840	1860	100	<u>Sandstone</u> , light gray, calcareous, tuffaceous, contains some chert.	
1860	1900	100	<u>Volcanic breccia</u> , composed predominantly of light brown to black andesite, few tuffaceous clasts, fractures filled with calcite.	
1900	1915		Core #2, recovered 11.0'.	
1915	2260	100	<u>Volcanic breccia</u> , as above.	
2260	2280	100	<u>Bentonite or tuff</u> , medium reddish brown, calcareous.	
2280	2300	100	<u>Volcanic breccia</u> , as above.	
2300	2340	100	<u>Bentonite or tuff</u> , light gray, calcareous.	
2340	2560	100	<u>Volcanic breccia</u> , as above.	
2560	2640	100	<u>Limestone</u> , white to light brown, I VFA, sandy, tuffaceous, some interbedded calcareous sandstone and tuff.	
2640	2720	100	<u>Andesite</u> , generally black and dark green, fine grained, calcite veins.	
2720	2740	100	<u>Limestone</u> , mottled brown, I VFA.	
2740	2820	100	<u>Basalt</u> , mottled black, brown, green, contains feldspar laths and probably some olivene.	
2820	2830		Core #3, recovered 10.0'.	
2830	2941	100	<u>Microgabbro</u> , mottled black, dark gray, brown, green, fine to medium grained, composed of pyroxene, hornblende, plagioclase feldspar, chlorite, serpentine, olivene. Partially altered.	
2941	2950		Core #4: recovered 9.0'.	

<u>Gas</u>	<u>Mud</u>	<u>Cuttings</u>
1740-2950	0	0

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM 1900 TO 1915

CORE RECORD

AREA OR FIELD SalduroCOMPANY Shell Oil Co.CORES EXAMINED BY Roberts, OlsenLEASE AND WELL NO. Salduro 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
2	1900	1915	11.0'	<p>11.0' Volcanic breccia greenish, indurated, no bedding apparent. 60% clasts: very heterogeneous in rock type, composed predominantly of different varieties of andesite, light brown to black, aphanitic to porphyritic, some vesicular, few clasts tuffaceous and in part altered to bentonite. Diameter ranges from 1/4" to 5", 1" average 40% matrix: probably tuffaceous, non-calcareous, rare opaline cement. Probable age: Tertiary</p>	--	--	None

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (80-100%).
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM 2820 TO 2830

CORES EXAMINED BY W. Roberts, R. Olsen

CORE RECORD

AREA OR FIELD Salduro

COMPANY Shell Oil Co.

LEASE AND WELL NO. Salduro 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL-GAS
							CORE OR DITCH
3	2820	2830	10.0	<p>10.0 <u>Basalt</u> or possibly <u>microgabbro</u> or <u>diabase</u>, dark gray to black with some green mottling, fine to medium grained, hard, massive, generally fresh but partially altered to chlorite and serpentine.</p> <p>Composed of 70% mafic minerals, chiefly pyroxene with amphibole (hornblende?) and possible biotite, 30% plagioclase feldspar. Minor olivene (?).</p> <p>Mafics partially altered to chlorite and serpentine.</p> <p>Fractures predominantly 45° and 90°, filled completely with chlorite and serpentine.</p>	--	--	None

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM 2941 TO 2950

CORES EXAMINED BY Dempster, Roberts, Olsen

CORE RECORD

AREA OR FIELD Salduro

COMPANY Shell Oil Co.

LEASE AND WELL NO. Salduro 1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
4	2941	2950	9.0'	<p><u>Olivene augite diabase</u>, black to dark grey with greenish cast, massive, in part altered to greenstone, commonly fractured - irregular (general) with one well defined fracture surface dipping 45%, fractures commonly healed with serpentine and chlorite and pyrite, appear tight. Texturally and mineralogically - the rock appears essentially same as in core no. 3, but with melaphyric dike - 3"-4" thick @ 2947.</p>	--	None	None

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.



SHELL OIL COMPANY

SHELL BUILDING
1008 WEST SIXTH STREET
LOS ANGELES 54, CALIFORNIA

TELEPHONE MADISON 5-7341

April 5, 1957

Subject: Termination of Federal
Insurance Company Bond
No. 7963470

Oil and Gas Conservation Commission
State of Utah
Salt Lake City, Utah

Gentlemen:

Reference is made to that certain Federal Insurance Company Bond No. 7963470 dated May 22, 1956, which was subsequently filed with you in connection with the drilling of our well in our Salduro Area, located in T. 1 and 2 S., R. 18 W., S.L.M.

Inasmuch as we have completed our operations in this area, we would appreciate receiving from you a letter indicating our liability under subject bond is now exonerated.

Kindly forward a copy of your letter to Federal Insurance Company, 548 South Spring Street, Room 200, Los Angeles, California.

Yours very truly,

For M. W. Sheppard, Jr., Manager
Land Department

RCW:BEM

April 9, 1957

Shell Oil Company
1008 West Sixth Street
Los Angeles 54, California

Attention: M. W. Sheppard, Jr., Manager

Re: Insurance Company Bond
No. 7963470

Gentlemen:

With reference to your letter of April 5, 1957, please be advised that liability under the above mentioned bond is hereby terminated.

Said bond is returned herewith.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
SECRETARY

CBF:en

cc: Federal Insurance Company
548 South Spring Street, Rm. 200
Los Angeles, California

03/10/2006

36" Deep EVAPORATION POND

18" Deep EVAPORATION POND

SALDORO 2 DRILL Hole
API #4304511076

Russ Draper
Ponds/Mill
Supervisor



Intrepid Potash - Wendover, LLC
2 1/2 Miles East Frontage Road
P.O. Box 580
Wendover, UT 84083
435.665.2241 ext 105
435.665.2561 fax
russ.draper@intrepidpotash.com

