

FILE NOTATIONS

Entered in NID File

Entered on S & Sheet

Location Map Printed

Card Indexed

WFR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA

Date Well Completed 9-3-58

OW WV TA PA

GW OS PA

Location Inspected GA

Bond released PA

State of Fee Land MISSISSIPPI

LOGS FILED

Driller's Log 9-17-58

Electric Logs (Nos.) 4

E L EI GR GR-N Micro

Lat. Mi-L Sonic Others

Subsequent Report of Abandonment

FILE NOTATIONS

Entered in NID File

Entered on S & Sheet

Location Map Printed

Card Indexed

WFR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA

Date Well Completed

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OW WV TA PA

OW WV TA PA

GW OS PA PA

GW OS PA PA

Location Inspected

Location Inspected

Bond released

Bond released

State of Fee Land

State of Fee Land

LOGS FILED

Driller's Log

Drill Log

Electric Logs (Nos.)

Electric Logs (Nos.)

E L EI GR GR-N Micro

Lat. Mi-L Sonic Others

Lat. Mi-L Sonic Others



STANDARD OIL COMPANY OF CALIFORNIA
WESTERN OPERATIONS, INC.

211 EAST THIRD SOUTH STREET • SALT LAKE CITY • UTAH

July 14, 1958

EXPLORATION DEPARTMENT
GREAT BASIN DIVISION
W. P. WINHAM
DIVISION SUPERINTENDENT

Oil and Gas Conservation Commission
Room 105, Capitol Building
Salt Lake City 14, Utah

Gentlemen:

Enclosed please find two copies of the "Notice of Intention to Drill" for the proposed Standard Oil Company of California, Bert Mesa Unit #1, Section 13, T.31S., R.13E., Garfield County, Utah. Accompanying the "Notice" is the required plat prepared by a licensed surveyor showing the proposed well location and a plat showing the proposed location with respect to topography.

As noted on the "Notice of Intention to Drill", the well location is an exception to the regular well spacing pattern, falling approximately 600 feet north and 580 feet east of the center of the Southwest-Southeast Quarter of Section 13. Considering the allowable of 160 feet from the center of quarter quarter section, subject proposed location is 440 feet north and 420 feet east of this limit. We are asking permission to drill this unorthodox location because of topographic and other reasons. As indicated on the accompanying topographic plat, the well is located on a bench approximately 700 feet below the top of Bert Mesa and, although not shown on the plat, approximately 500 feet above Poison Spring Canyon, approximately one mile to the south. The steep cliffs formed above and below the location make it advantageous to place the location as shown on the plat. This spot is desirable since it is about the maximum distance the well can be located from the lower cliff edge, thereby decreasing the chances for serious lost circulation along joints, fractures, bedding planes and through porous and permeable beds that are exposed in the cliff face below the location. Also, a location at this spot would decrease the expense of preparing the location and digging the sump and cellar since it would be dug in Chinle shales rather than in hard Shinarump sandstone and conglomerate.

Because there would be considerable risk involved with losing circulation in the steep cliff face below the well, we would like your approval to move to the location shown on the plat (1260' FSL & 1400' FEL), where there is the minimum distance from the cliff edge and where the location expense could be held to the minimum.

In addition to these factors, we have encountered a series of mining locations which appear to be located immediately west of our proposed location. It is consistently our policy not to locate a well on any claim unless we have no other alternative. For the the reasons set forth above and these existing claims, we respectfully request your approval of our proposed location.

Very truly yours,

W. P. Winham
W. P. Winham

EWG/mgs
Enclosure
cc: U. S. Geological Survey

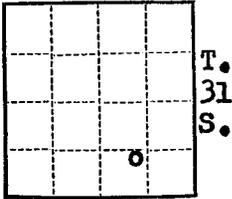
Land Office Salt Lake City

(SUBMIT IN TRIPLICATE)

Lease No. U-011670

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Unit Bert Mesa



R.13E.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 14, 1958

Well No. 1 is located 1260 ft. from NE line and 1400 ft. from E line of sec. 13

SE Sec. 13 (1/4 Sec. and Sec. No.) T.31S. (Twp.) R.13E. (Range) SL (Meridian)
Wildcat (Field) Garfield County (County or Subdivision) Utah (State or Territory)

The elevation of the ~~surface~~ ^{ground} floor above sea level is 4195 ft. D.F. elevation will be submitted after rig is moved on location.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well will spud in Triassic Chinle formation and will test the following objectives:

- (1) Basal Permian sandstone 2100'
- (2) Paradox 2925'
- (3) Lower Hermosa 3475'
- (4) Mississippian 4020'

Estimated total depth is 4215', or 200' into the Mississippian.

Casing Program:

- (1) 10-3/4" surface cemented at 750'±.
- (2) 5-1/2" productive cemented through any interval considered commercially productive.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company STANDARD OIL COMPANY OF CALIFORNIA

Attn: Mr. W. P. Winham

Address P.O. Box 1076

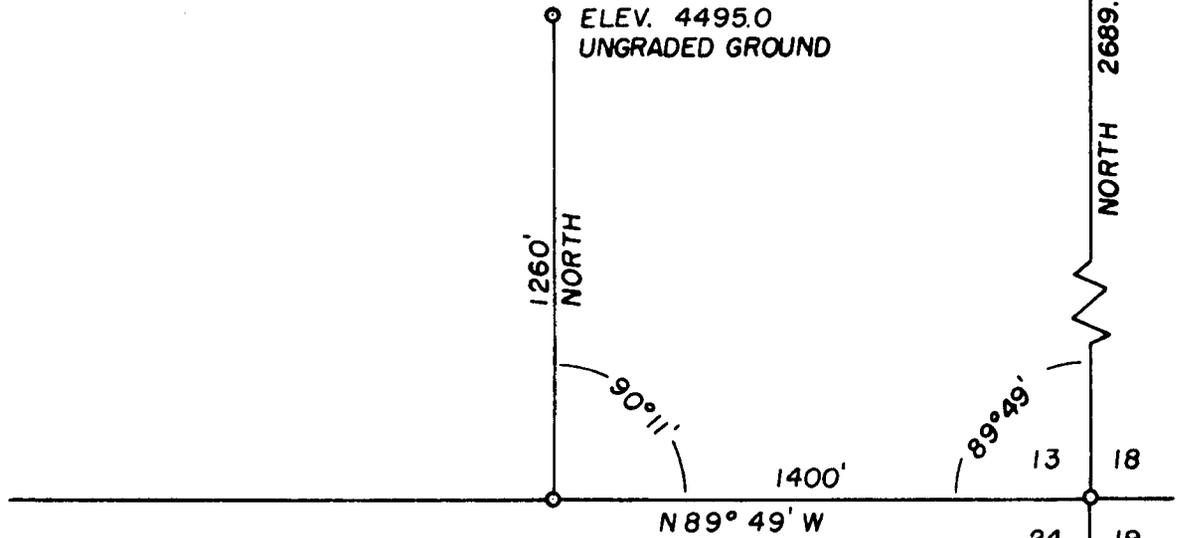
Salt Lake City 10, Utah

By W. P. Winham (EUC)

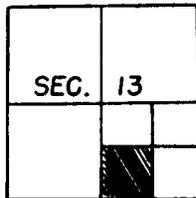
Title Division Superintendent

W.C. 49.5' N. ○1/4 COR.

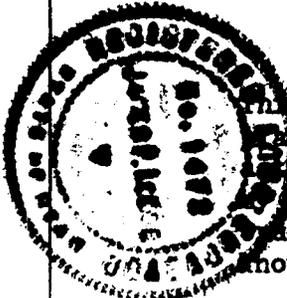
WELL LOCATION
1260 FEET FROM THE SOUTH LINE
1400 FEET FROM THE EAST LINE



U. S. B. L. M. BRASSCAP CORNERS
ON RANGE LINE, 1956 SURVEY.



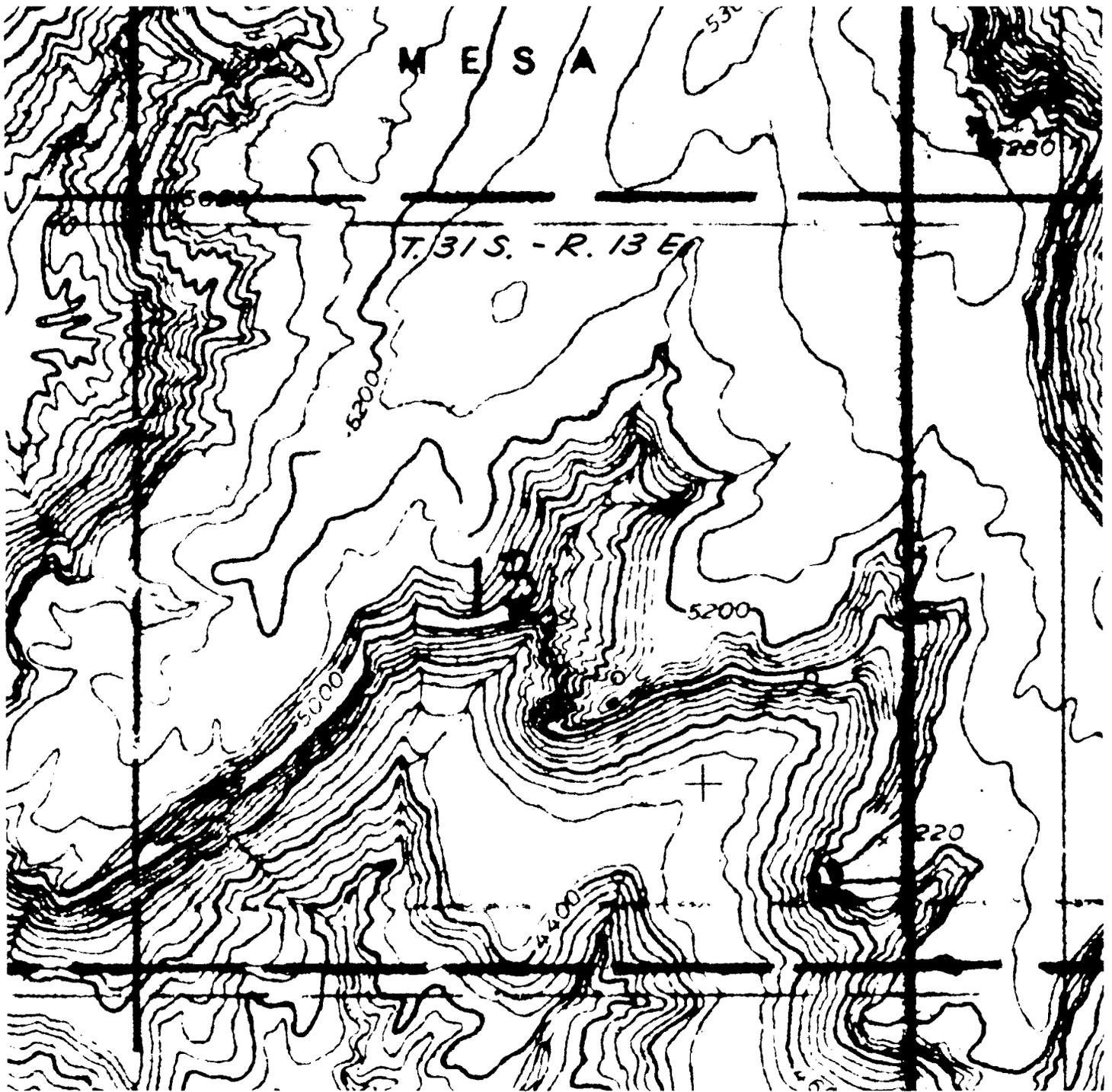
N



I hereby certify that the above
was prepared from field notes of
actual surveys made by me or under
supervision and that the same are
true and correct to the best of my
knowledge and belief.

James P. Leese
JAMES P. LEESE
Reg. Land Surveyor
Utah reg. no. 1472

STANDARD OIL CO. OF CALIFORNIA	
WELL LOCATION SW1/4 SE1/4 SECTION 13 TOWNSHIP 31 SOUTH, RANGE 13 EAST S. L. B. M. GARFIELD COUNTY, UTAH	
MAY 16, 1958	SCALE 1" = 500'
DRAWN BY H.L.P.	
SAN JUAN ENGINEERING CO. FARMINGTON, N.M.	

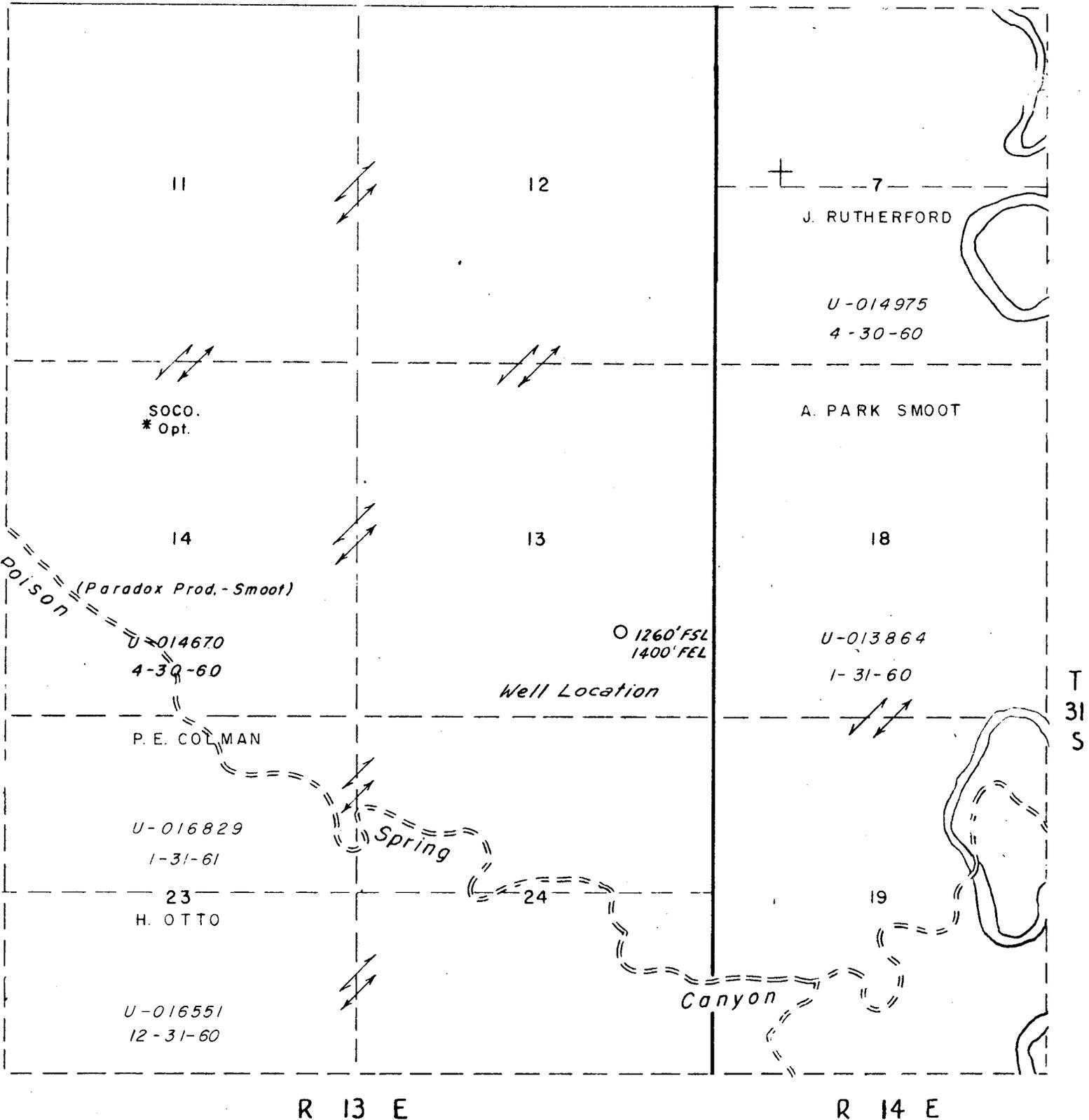


Plat showing Standard Oil Co., Bert Mesa #1, location with Respect to Topography and the Necessity for an Unorthodox Location.

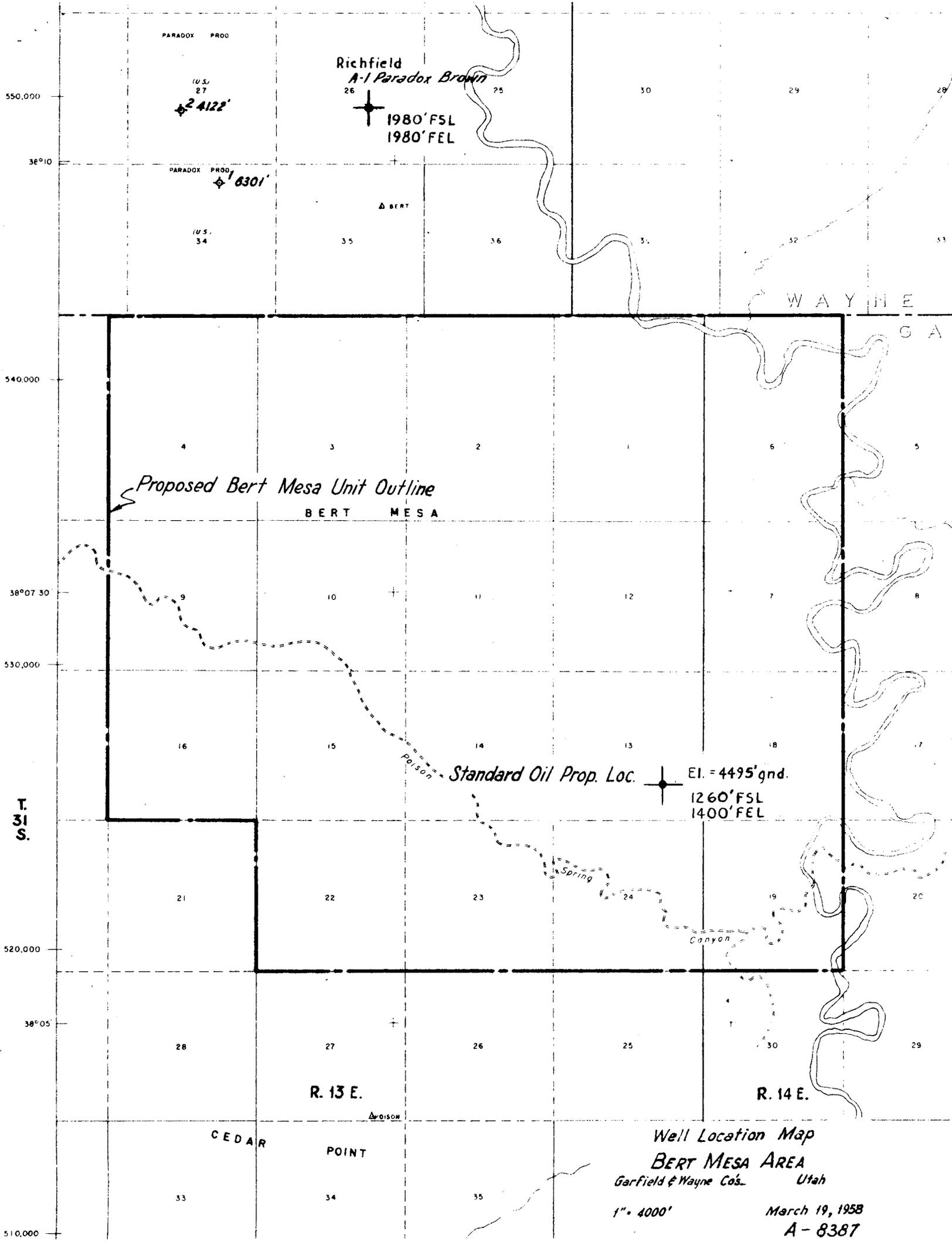
○ $\frac{1}{4}$ - $\frac{1}{4}$ centers
 + Well Location
 1260' FSL
 1400' FEL

Scale: 1"=1,000'

June 2, 1958



PLAT SHOWING WELL LOCATION
AND SURROUNDING LEASES
BERT MESA NO. 1 WELL
GARFIELD COUNTY, UTAH



PARADOX PROD.

(U.S.)
27

24122'

Richfield
A-1 Paradox Brown

1980' FSL
1980' FEL

PARADOX PROD.

16301'

(U.S.)
34

Δ BERT

WAYNE
GA

Proposed Bert Mesa Unit Outline

BERT MESA

Standard Oil Prop. Loc.

El. = 4495' gnd.
1260' FSL
1400' FEL

T.
31
S.

Poison

Spring

Canyon

R. 13 E.

R. 14 E.

CEDAR

POINT

Well Location Map
BERT MESA AREA
Garfield & Wayne Cos. Utah

1" = 4000'

March 19, 1958

A-8387

July 14, 1958

Standard Oil Company of California
P. O. Box 1076
Salt Lake City 10, Utah

Attention: W. P. WINHAM, Division Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Bert Mesa Unit 1, which is to be located 1260 feet from the south line and 1400 feet from the east line of Section 13, Township 31 South, Range 13 East, S1EM, Garfield County, Utah.

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

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
SECRETARY

CBF:en

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER U-011670
UNIT Bert Mesa

LESSEE'S MONTHLY REPORT OF OPERATIONS

W/K
8-11-58

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1958,

Agent's address P.O. Box 1076 Company Standard Oil Co. of California
Salt Lake City 10, Utah Signed *W.P. Williams (GUC)*

Phone DA2-5831 Agent's title Division Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 13 NE SW SE	31S	13E	1							On August 1st drilling at 1822' in Cedar Mesa sandstone. Spudded July 18 at 9:00 P.M. Cemented 10-3/4" surface casing at 759' with 450 sacks. The following formation tops have been picked from samples: Shinarump - surface Moenkopi 70' White Rim-Coconino 495' Organ Rock 900' Cedar Mesa 1065'

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

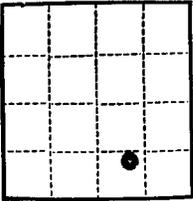
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-011670

Unit East Mesa



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Handwritten: 7-11-58

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 1, 1958

Well No. 1 is located 1260 ft. from S line and 1100 ft. from E line of sec. 13

NE SW 1/4 Sec. 13
(1/4 Sec. and Sec. No.)

31S
(Twp.)

13E
(Range)

S1
(Meridian)

Wildcat
(Field)

Carfield
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~corner post~~ ground above sea level is 4495 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well spudded July 18, 1958.

Cemented 10-3/4", 40.5#, 8rd casing at 759' with 450 sacks. The casing string was made up of the following makes:

Youngstown	164'
Jones & Laughlin	426'
National	173'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company STANDARD OIL COMPANY OF CALIFORNIA

Address P.O. Box 1076

Salt Lake City, Utah

By W.P. Winkler (Sgt)

Title Division Superintendent

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER U-014670
UNIT Bert Mesa

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1958,

Agent's address P.O. Box 1076 Company Standard Oil Co. of California

Salt Lake City 10, Utah Signed W.P. Vinkler/ewc

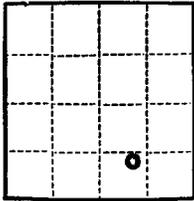
Phone DA2-5831 Agent's title Division Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 13 NE SW NE	31S	13E	1	-	-	-	-	-	-	<p>Drilled & cored to TD of 4390' in Mississippian. Ran Electric-Induction GRN, & Sonic Logs. <i>Micro log</i> Tops as follows:</p> <p>Organ Rock 862' Cedar Mesa 1040' Hermosa 1992' Paradox 3081' L. Hermosa 3810' Molas 4070' Mississippian 4163'</p> <p>Logs disclosed nothing of interest. No DST's were run on this well.</p> <p>Plugs: 25 sacks from 4178-4240' 25 sacks from 3018-3080' 25 sacks from 1018-1080' 50 sacks from 675-775'</p> <p>Felt & located plug at 703'. 15' cement in 10-3/4" surface casing.</p> <p>Well abandoned Sept. 4, 1958.</p>

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-014670

Unit Bert Mesa

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 4, 1958

Well No. 1 is located 1260 ft. from S line and 1400 ft. from E line of sec. 13

NE SW SE Sec. 13 31S 13E SL
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Garfield Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4507 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 4390 feet, bottoming 227' into Mississippian dolomites. Unit Agreement called for a depth of 4215' or 200' into the Mississippian.

Spudded: Shinarump Sample tops: Moenkopi 70', White Rim 513'.

Log Tops: Organ Rock 862', Cedar Mesa 1040', Hermosa 1992', Paradox 3081', Lower Hermosa 3810', Molas 4070', Mississippian 4163'.

Plugging Program: The following cement plugs will be set: 25 sacks 4240', 25 sacks 3080', 25 sacks 1080', 40 sacks 775', 15 sacks in 10-3/4" surface casing. Location marker will be erected and location will be cleaned up.

Verbal permission was received for abandonment from Mr. Don Russell of the U.S.G.S.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company STANDARD OIL COMPANY OF CALIFORNIA

Address P.O. Box 1076

Salt Lake City 10, Utah

By H. P. Stinson / Case

Title Division Superintendent

PLUGS AND ADAPTERS

(See reverse side)

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 4390 TD feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

....., 19..... Put to producing *P.A. 9-3-58*, 19.....

The production for the first 24 hours was barrels of fluid of which% was oil;% emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

E. H. GRANDSTROM , Driller *H. G. RODGERS* , Driller
RICHARD A. RUPP , Driller *E. R. BOWLIN* , Driller

FORMATION RECORD (see attached record)

FROM—	TO—	TOTAL FEET	FORMATION
Surface	70'	70	Shinarump
70	513	443	Moenkopi
513	862	349	White Rim
862	1040	178	Organ Rock
1040	1992	952	Cedar Mesa
1992	3081	1089	Hermosa
3081	3810	729	Paradox
3810	4070	260	Lower Hermosa (Pinkerton Trail)
4070	4163	93	Molas
4163	4390' TD	227	Mississippian

SEP 17 1958

TOTAL FEET

FORMATION

(OVER)

11-1-36

WELL NO.	SECTION	LOCALITY	STATE	DATE OF COMPLETION	STATUS

HISTORY OF OIL OR GAS WELL

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

The following cement plugs were used in abandonment:

- 25 sacks to plug 4240 - 4180'
- 25 " " " 3080 - 3018'
- 25 " " " 1080 - 1018'
- 45 " " " 775 - 703'
- 10 " in top of surface casing

LOG OF OIL OR GAS WELL

Log of well showing depth, casing, and other details. The log is a detailed record of the well's construction and operation, including the depth of each casing, the type of cement used, and the results of various tests and operations. The log is a critical document for the management and operation of the well.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

WELL NO. _____
SECTION _____
LOCALITY _____
STATE _____
DATE OF COMPLETION _____
STATUS _____



STANDARD OIL COMPANY OF CALIFORNIA
WESTERN OPERATIONS, INC.

211 EAST THIRD SOUTH STREET • SALT LAKE CITY • UTAH

EXPLORATION DEPARTMENT
GREAT BASIN DIVISION
W. P. WINHAM
DIVISION SUPERINTENDENT

September 16, 1958

State of Utah
Oil & Gas Conservation Commission
Room 105
State Capitol Building
Salt Lake City, Utah

Gentlemen:

Enclosed are copies of Form 9-330, Log of Oil or Gas Well, which fulfills your requirements pertaining to the abandonment of Standard Oil Company of California, Bert Mesa Unit #1, Section 13, Township 31 South, Range 13 East, Garfield County, Utah.

Schlumberger mailed the final copies of the Induction Electric Microlog, Radioactive Log and Sonic Log directly to your offices.

Yours very truly,

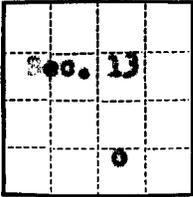

W. P. Winham

EWC:tcd

Encl.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City
Lease No. U-011670
Unit Burt Mesa



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

W/K 12/31

SUNDRY NOTICES AND REPORTS ON WELLS

See attached Report #

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 26, 1958

Well No. 1 is located 1260 ft. from S line and 1400 ft. from E line of sec. 13
NE SW SE Sec. 13 31S 13E SL
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Garfield Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4507 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

T.D. 4390 feet, 10-3/4" surface casing cemented @ 759 feet.

- Plugged with 25 sacks from 4178-4240
- 25 sacks from 3018-3080
- 25 sacks from 1018-1080
- 40 sacks from 675-775, felt for plug
- 15 sacks to top surface casing

Erected location marker and cleaned up location.
Well bottomed 227' into the Mississippian. Unit agreement called for a depth of 4215 feet or 200' into the Mississippian.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company STANDARD OIL COMPANY OF CALIFORNIA
 Address P.O. Box 1076
Salt Lake City 10, Utah
 By W. P. Winham (GUC)
 Title Division Superintendent

FORMATION RECORD

Standard Oil Company of California

BERT MESA #1

<u>From</u> Surface	<u>To</u> 70'	<u>Total Feet</u> 70	
			(Shinarump) Sandstone, medium gray-brown, fine grain to pebble conglomerate, firm to friable.
70	513	443	(Moenkopi) Shale, green and maroon, calcareous, partly silty, micaceous, bentonitic.
513	862	349	(White Rim) Sandstone, white, anartzose, clean and very friable, porous and permeable.
862	1040	178	(Organ Rock) Siltstone, orange, red and maroon, calcareous, micaceous, partly sandy; shale, red and green, silty, micaceous, slightly calcareous.
1040	1992	952	(Cedar Mesa) Sandstone, white, partly pale pink, very slightly calcareous, friable, porous and permeable.
1992	2050	58	(Hermosa) Limestone, medium gray, partly sandy and silty, dense and tight except 3' porous interval.
2050	2320	270	Sandstone, white to pink, partly gray or buff, calcareous, silty and shaly in lower part, porous and permeable in upper part; common chert.
2320	2420	100	Siltstone, varicolored, calcareous, sandy, argillaceous, micaceous, tight. Interbedded porous sandstone as in unit next above, and limestone, light gray, tight.
2420	2670	250	Limestone, mostly light brown, sandy above, argillaceous below, microcrystalline, tight except locally bioclastic with rare porosity. Local beds of sandstone, light gray, calcareous; shale, dark gray; dolomite, tan, silicious; and chert.
2670	2745	75	Siltstone, medium brown, calcareous. Local black shale and tight brown limestone beds.
2745	3310	565	(Top Paradox 3081') Limestone, light gray, part tan to brown or medium gray, silty and shaly above, sandy below, mostly microcrystalline, locally clastic, tight except for porous oolite 3138-52'. Local beds of tan and gray dolomite, calcareous gray sandstone, dark brown and black shale; local anhydrite, modular and bedded.
3310	3350	40	Shale, medium and dark gray, locally black, calcareous.

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<u>From</u>	<u>To</u>	<u>Total Feet</u>
3350	3810	460

Anhydrite, sandstone, siltstone, shale, and limestone, with dolomite at base, in 5-40' beds. Anhydrite is white, crystalline, partly nodular in other rocks. Sandstone is light gray, dolomitic; partly calcareous, anhydritic, or silty; tight. Siltstone is light to dark brown-gray, dolomitic, partly calcareous, tight. Shale is dark gray, partly black, mostly with anhydrite nodules and interbeds. Limestone is partly medium brown and very argillaceous; partly gray-tan and locally clastic or oolitic; all tight. Dolomite is light and medium gray to tan, calcareous.

3810	4079	269	Limestone, light gray to tan, mostly clastic, locally oolitic, locally very fossiliferous with fair porosity. Dolomite at top and in local thin interbeds. Local thin varicolored shale interbeds.
4079	4163	84	(Molas) Shale, varicolored, calcareous, sandy and silty in lower part. Local interbedded limestone, pink, clastic.
4163	4240	77	(Missippian) Limestone, white, oolitic, tight. Interbedded shale as in Molas.
4240	4390	150	Dolomite, light gray, partly medium to dark gray, light brown, or pink; crystalline; very porous and permeable below 4316', and locally above 4316'.

ABANDONMENT REPORT

ODGCC

STANDARD OIL COMPANY OF CALIFORNIA

FIELD: Dirty Devil

PROPERTY: Section 13

WELL NO: Berts Mesa Unit #1

Sec. 13 T. 31S R. 13E SL B. & M.

Following is complete and correct record of all work done on the well since the previous record dated _____

PURPOSE OF WORK:

To drill a test well to prospect for the Paradox and Basal Permian sandstones.

DATE OF REPORT: April 28, 1959

BY: *[Signature]* 11/16/59
Dist. Superintendent Producing Department

WORK DONE BY: Kan Tex Drillers, Inc.

COMMENCED OPERATIONS: July 18, 1958

COMPLETED OPERATIONS: September 4, 1958

DATE WELL LAST PRODUCED:

DATE RETURNED TO PRODUCTION:

PRODUCTION:

	PRIOR TO WORK	AFTER WORK
Oil	_____ B/D	_____ B/D
Water	_____ B/D	_____ B/D
Gas	_____ Mcf/D	_____ Mcf/D
Gravity	_____ °API	_____ °API
Tubing	_____ PSIG	_____ PSIG
Casing	_____ PSIG	_____ PSIG
Method of Production: Pumping	_____	_____
Flowing	_____	_____
Gas Lift	_____	_____

SUMMARY

T.D.: 4390'

Casing: 10 3/4" cemented 759'

Well plugged and abandoned September 3, 1958.

zk

BERTS MESA #1

PROPERTY: Section 13

GARFIELD COUNTY, UTAH

WORKDONE

16" conductor pipe cemented @ 20'.

Kan Tex Drillers, Inc. moved in and rigged up.

Well spudded 9:00 p.m. July 18, 1958.

0' - 1000' - 1000' Drilled. 9" hole.

Reamed 15" hole to 759'. Opened 9" hole to 15" from 20' to 759'.

July 26, 1958Cemented 10 3/4" 40.5# casing @ 759' with 450 sax of Ideal Type I Cement, mixed with 60 bbls 2% calcium chloride water. One top and one bottom rubber plug. Baker guide shoe. Baker centralizers @ 718' and 675'. Good cement returns. Stood cemented 29 hours.

Drilled 9" hole 1000' - 2531' - 1531' Drilled.

Core #1 - 2531 - 2544', Cut 13', Rec 10' (8 7/8" hole)

2531 - 2540 - 9' Dolomite, tan, possibly clayey, silicious in top half, microcrystalline, sucrosic, massive & tight except rare stylites & common frags which are mostly ti, but give brecciation at 2539'. Intbedded & nodular chert, med gr, massive; bottom 1/2' of dolomite is frac'd to fine breccia in a soft marl matrix. NOSF.

2540-2540-1/2 Limestone, med gr-grn, microcrystalline to bioclastic, dense, ti, local very com hairline frac, open, no odor, stn or flour.

2540-1/2-2541 Sandstone, med gr-gry, calc, very micaceous, vy fine grn, poorly sorted, subangular grns, hard, massive, ti; mostly quartz q/possible feldspar, rare glauconite & orange chert grns, No OSF.

2541-2544 - 3' no recovery

Core #2 - 2544 - 2558', Rec. 13-1/2' (8 7/8" hole)

2544 - 2550-1/2 Ss, lt gry, vy calc, fn grn, well sort, grns round, part subround, part frosted. Quartz 100% in 2547-2550-1/2 fairly well sorted, part subang grns, partly quartzitic, com chert grns, rock is hard & ti, no odor, stn or flour.

2550-1/2-2552 Dolomite, lt gry, microcrystalline, ti, w/partings & thin beds of shale, drk gry, slty, sli dolomitic

2552-2557-1/2 Imstn, lt brn, microcrystalline & vy fn grn, prob recrystallized, no odor stn, or flour.

2557-1/2-2558 No recovery.

2558' - 2975' - 417' Drilled.

Core #3 - 2975 - 2995', Rec 20' (8 7/8" hole)

2975 - 2995 Imstn, dk brn, gry, partly drk grn-gry, vy slty & argil, finely crystalline; locally grades to black shale in 1-2" stringers, NOSF

BERTS MESA #1

PROPERTY: Section 13

GARFIELD COUNTY, UTAH

2995' - 3149' - 154' Drilled

Core #4 3149 - 3203', Rec 53-1/2', (8 7/8" hole)

3149 - 3151 - Oolite, lt gr-tan, stylolitic, slit inter-oolitic porosity
 3151 - 3165 - Lmstn, lt gr, locally med gr, mostly vy sandy except locally vy silty, oolitic at top, fn crystal, locally vf crys, mostly clastic & fossil,
 3165-- 3171 - Lmstn, lt gr, vf crys, part fn crys to litho, partly silty, locally sucrosic, part recryst'd to cæear calcite, fossil
 3171 - 3185 - Lmstn, lt gr, andy, sli andy at base, clastic, very fossil, ostracods, fusulinids, briozoa, bivalves at base
 3185 - 3196 - Lmstn, lt gr, andy, part vy andy, part clastic, very fossil; 3185-1/2 3186-1/2 local chert, bl-gr to bl-blk and brn
 3196 - 3199 - Lmstn, lt gr to brn, dolo, sli andy, fn crys, part clastic, part re cryst'd, local fossils & scattered pyrite crystals, locally common bl-gr chert
 3199 - 3202-1/2 Lmstn, lt gr, vy andy, fine crys, clastic, trace glauconite, locally common fossils. At base, approx 30% bl-gr chert, modular & bedded
 3202-1/2-3203 No recovery

 3203' - 3215' - 12' Drilled

Core #5 - 3215 - 3236', Rec. 20.8

32-15 - 3230 - LS, lt gry, f. xln to m xln, scat chert, occ stylo, in part sdy, sli oil stn @ 3215-16.
 3230 - 3236 - LS, f xln, med gr-tan, abd crinoids, scat foss, in part sil.

 Drld 9" hole 3236 - 3930' - 694' Drilled

Core #6 - 3930 - 3955, Rec. 25', 8 7/8" hole

3930 - 3936 - LS, gr, sub litho-sli xln, few foss frags, in part sil
 3936 - 3950 - LS, dk gr-lt tan, f xln, thin sh partings & argil strks grading to dk gr-grn, calc sh @ bot.
 3950 - 3955 - LS, lt gr-tan, f xln, sil in part scat chert frags, occ stylo, few thin sh partings.

 Drld 9" hole 3955 - 4045', 90' Drld Lost circulation 3955'

Core #7 - 4045 - 4075', Rec 30'

4045 - 4055 - LS & Dolo. LS, lt gr-tan, f xln, pp por, stylo, anhy incl, argil in part. Dolo lt gr, f xln, argil. NOSCF.
 4055 - 4068 - LS, lt gr-tan, vf xln-f xln, abd chaetetes, scat stylo, sli argil, few thin sh partings, NOSCF
 4068- 4070 Sh, grn, sli mic, sli calc, NOSCF
 4070 - 4075 - LS, dk gr-tan, clastic, gen hard & tite, scat chert frags, few fusulinids, NOSCF

 Drld 9" hole 4075' - 4370', 295' drld.

Core #8 - 4370 - 4390', Rec 20'

BERTS MESA #1

PROPERTY: Section 13

GARFIELD COUNTY, UTAH

- 4370 - 4378 - Dolo, lt gr to white, fn to crse cryst, local fossil frags, fair to good pp & sm vugular por w/local large vugs, locally bleeding salt water, com vert frac, NOSCF.
- 4378 - 4380 - ls, lt gr, dense, some vert fracs, local vug por, some fossil frags, NOSCF.
- 4380 - 4390 - Dolo, lt to med gr, lt grn-gr at base, locally cherty & pos argil part calc, fn-crys, part fn to crse cryst, com fossil frags, fair to poor pp por w/common small vugs, locally common large vugs bleeding salt-sul water, NOSCF

Halliburton equalized cement plugs:

25	sax	@	4240	-	Displaced	w/59	1/2	bbls	mud	to	plug	4240-4180
25	sax	@	3080	-	"	w/42	3/4	"	"	"	"	3080-3018
25	"	@	1080	-	"	w/14	1/2	"	"	"	"	1080-1018
45	"	@	775	-	"	w/9	1/2	"	"	"	"	775-685

Located top plug at 703' with 4 1/2" drill pipe.

Well plugged and abandoned September 3, 1958.

R. D. LOCKE