Scout Report sent out ☑
Noted in the NID File ☑
Location map pinned ☑
Approval or Disapproval Letter ☑
Date Completed, P. & A. or operations suspended 4-16-57
Pin changed on location map ☐
Affidavit and Record of A & P ☐
Water Shut-Off Test ☐
Gas-Oil Ratio Test ☐
Well Log Filed ☑

Remarks

FILE NOTATIONS

Entered In N I D File .....
Entered On S R Sheet .....
Location Map Pinned .....
Card Indexed .....
I W R for State or Fee Land .....

Checked by Chief .....
Copy N I D to Field Office .....
Approval Letter .....
Disapproval Letter .....

COMPLETION DATA:

Date Well Completed 10-22-57
OW ..... WW ..... TA .....
GW ..... OS ..... PA X

Location Inspected .....
Bond released
State of Fee Land .....

LOGS FILED

Driller's Log .....
Electric Logs (No.) .....
E ..... I ..... E-I ..... GR ..... GR-N ..... Micro .....
Lat ..... Mi-L ..... Sonic ..... Others .....

FILE NOTATIONS

Entered In N I D File ✓
Entered On S R Sheet ✓
Location Map Pinned ✓
Card Indexed ✓
I W R for State or Fee Land .....

Checked by Chief ✓
Copy N I D to Field Office ✓
Approval Letter ✓
Disapproval Letter .....

COMPLETION DATA:

Date Well Completed 4-18-57
OW ..... WW ..... TA .....
GW ..... OS X PA .....

Location Inspected .....
Bond released .....
State of Fee Land .....

Driller's Log 4-29-57
Electric Logs (No.) 2

LOGS FILED

E ..... I ..... E-I ..... GR ..... GR-N ✓ Micro .....
Lat ✓ Mi-L ..... Sonic ..... Others .....

2-10-92 JLR

STANDARD OIL COMPANY OF CALIFORNIA
WESTERN OPERATING DIVISION
211 EAST THIRD SOUTH STREET • SALT LAKE CITY • UTAH

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

October 30, 1956

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", location plat and plat of well location to surrounding leases for Standard Oil Company of California, Sigurd Unit #1, Section 32, Township 22 South, Range 1 West, Sevier County, Utah.

As noted on the "Notice of Intention to Drill" and location plat, the well location is an exception to the regular well spacing pattern falling approximately 275 feet South and 15 feet West of the Center of the Northeast-Southeast quarter of Section 32. With the allowable of 160 feet from the center of the quarter quarter section, subject proposed location is 115 feet south of this limit. We are asking permission to drill the "off" location because of topographic reasons. The well was originally located at the Center of the Northeast-Southeast, but this fell on the north side of the U. S. Gypsum Company road and to make the location at this spot would require a great deal of cutting back into the hill, changing the course of the road and diverting the stream. Consequently, because there would be considerable expense involved in preparing the location at the Center of the Northeast-Southeast, we would like your approval to move to the spot shown on the attached location plat (1705 feet from South line and 675 feet from East line, Section 32) where there is sufficient room to make a location with minimum expense.

The nearest well drilled to the Sigurd location is El Paso, Salina Canyon #1 well, Section 15, Township 22 South, Range 2 East, Sevier County.

We are currently in the process of obtaining a surety bond which should be filed with your office within the next several days.

Yours truly,

W. P. WINHAM

EWC:lp

Enclosures

Form OGCC-1

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

October 29, 19 56

OIL AND GAS CONSERVATION COMMISSION

In compliance with Rule C-4, notice is hereby given that it is our intention to commence the work of drilling Well No. 1, which is located 1705 ft from (X) (N) ( ) (S) line and 675 ft from (E) ( ) (W) line of Sec 32, Twp 22S, R 1W, Salt Lake (Meridian), Sigurd Unit (Field or Unit)

Sevier, Utah (County), on or about 10th day of November, 19 56

LAND: Fee and Patented (x)
State ( )
Lease No

Public Domain ( )
Lease No

Name of Owner of patent or lease Standard Oil Co. of Calif.

Address P. O. Box 1076

Salt Lake City, Utah

Is location a regular or exception to spacing rule ? exception Has a surety bond been filed ? no With whom? (State of Federal) Area in drilling unit 22,110.14 acres

Elevation of ground above sea level is 5495 ft. All depth measurements taken from top of Derrick Floor (Derrick Floor, Rotary Table or Kelley Bushing) which is 11 ft above ground

Type of tools to be used rotary. Proposed drilling depth 7000 ft. Objective formation is Kaibab. Surface formation is the Jurassic Arapien limestone, shale and sandstone.

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight Per Foot	Grade and Type	Amount Ft. In.	Top	Bottom	Cementing Depths
20"	Unknown	Unknown	12	Surf.	20'	20'
13 3/8"	Unknown	Unknown	600+	Surf.	600'+	600'+ to surf.
7"	Unknown	Unknown	Depends on production and testing			

Details as to weight, grade and type will be submitted when casing is received.

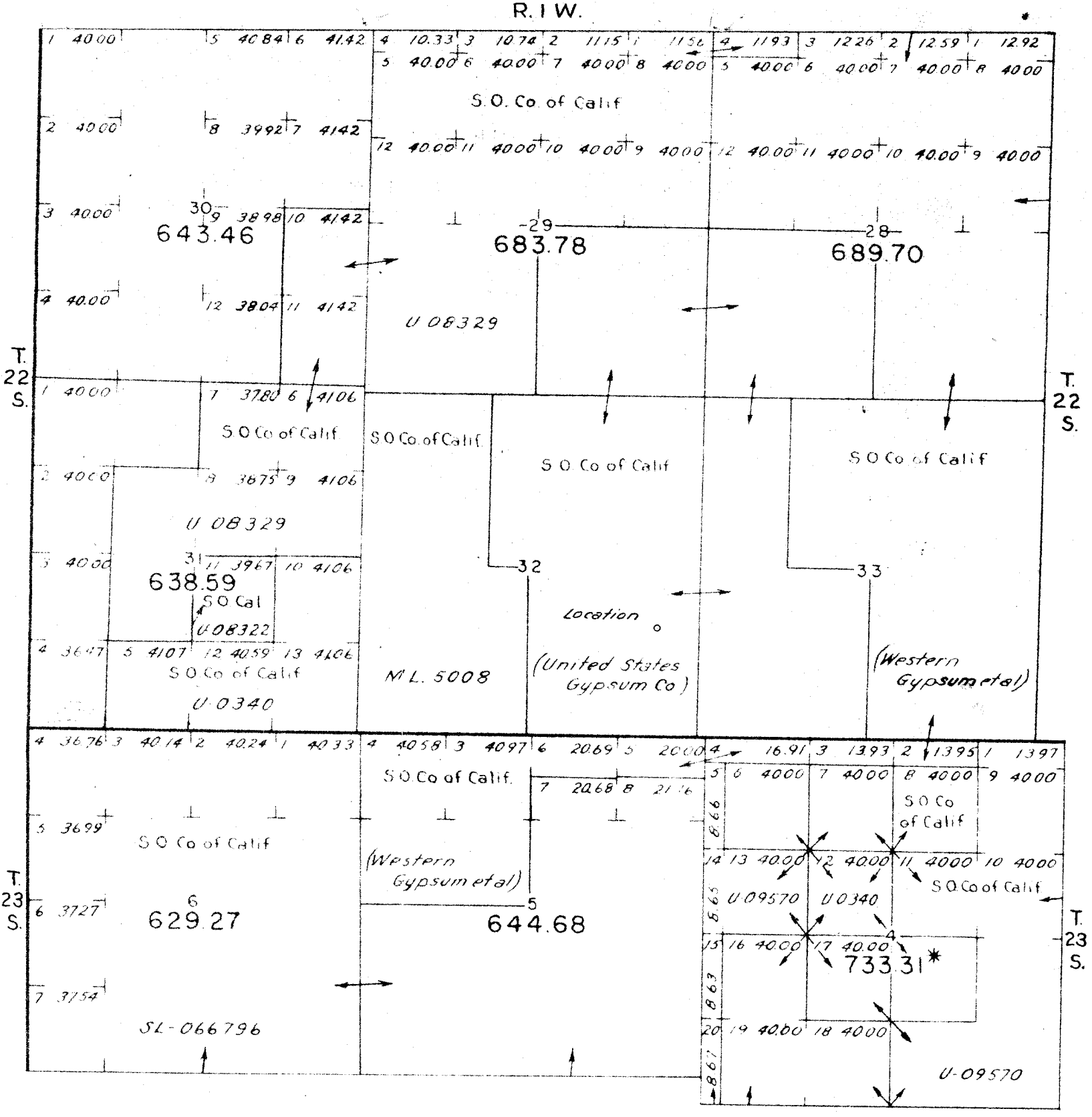
AFFIDAVIT

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 unorthodox location
Date Oct 31 1954
By J. A. Smart
Title Commissioner

By Edwin W. Clark
DEVELOPMENT GEOLOGIST
(Title or Position)
Standard Oil Company of California
(Company or Operator)
Address P. O. Box 1076
Salt Lake City, 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.



PLAT SHOWING WELL LOCATION AND SURROUNDING LEASES

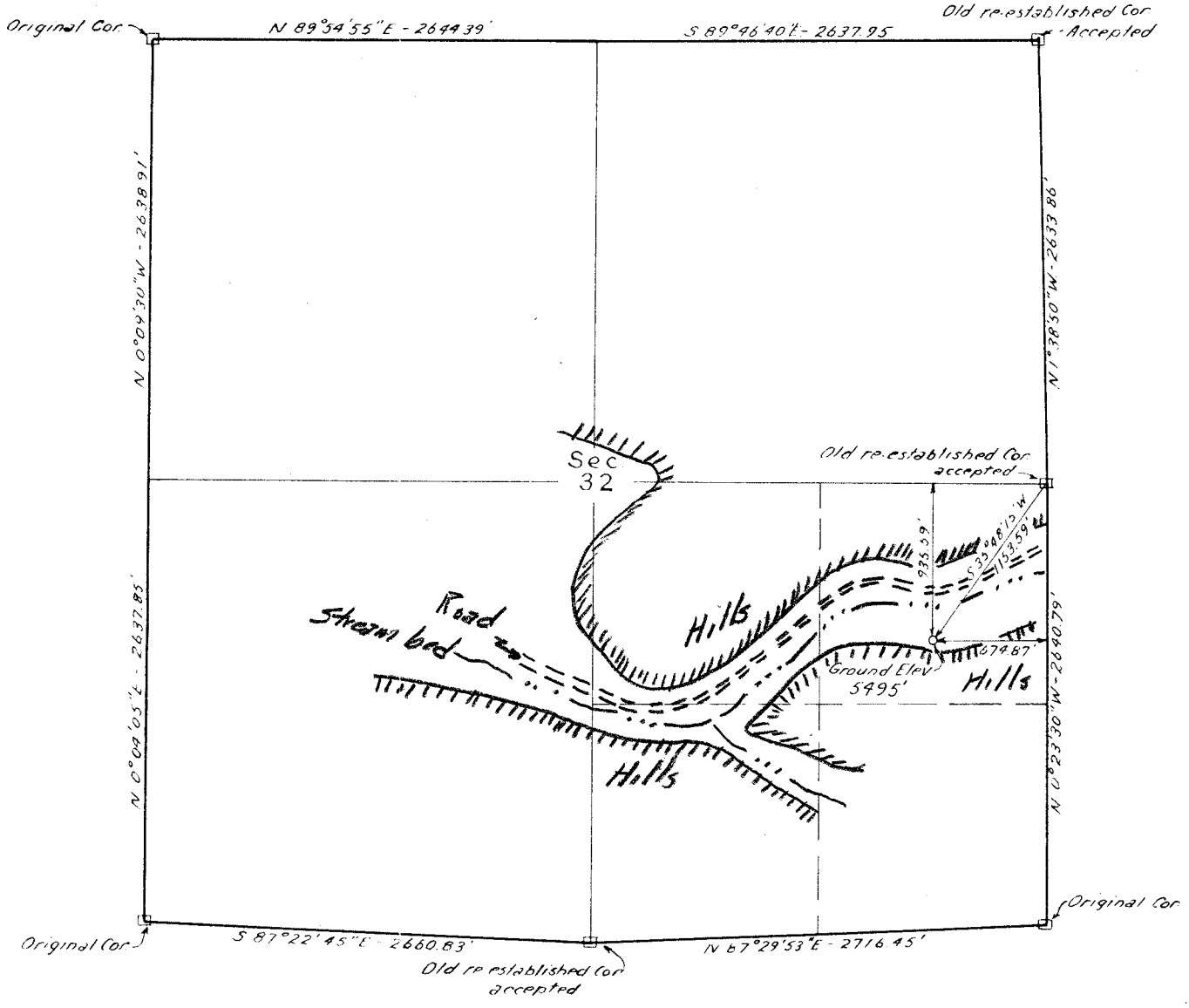
SIGURD UNIT NO. 1 WELL

SEVIER COUNTY, UTAH

SIGURD

WELL SITE LOCATION

T. 22 S., R. 1 W.
SALT LAKE BASE & MERIDIAN
UTAH



A-8183

October 31, 1956

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

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. 1, which is to be located 1705 feet from the south line and 675 feet from the East line of Section 32, Township 22 South, Range 1 West, Sevier County.

Please be advised that insofar as this office is concerned, approval to drill said well on said unorthodox location is hereby granted under Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Oil and Gas Conservation Commission, State of Utah.

However, said approval is conditional upon a bond being submitted in accordance with Rule C-1, General Rules and Regulations and Rules of Practice and Procedure, Oil and Gas Conservation Commission, State of Utah.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

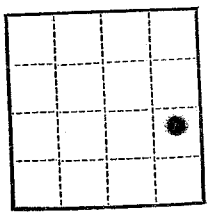
CLEON B. FEIGHT
SECRETARY

CBF:cn
cc: Hon Russell
4563 Fed. Bldg.
Salt Lake City, Utah

O.K. and noted.
Cash
10/31/56.

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. Patented
Unit Signal

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	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)

February 1, 1957

Well No. 1 is located 1705 ft. from {N/S} line and 675 ft. from {E/W} line of sec. 32

NE SE Sec. 32 (¼ Sec. and Sec. No.)
T.22S. (Twp.)
R.1W. (Range)
Salt Lake (Meridian)
Wildcat (Field)
Sevier County (County or Subdivision)
Utah (State or Territory)

The elevation of the derrick floor above sea level is 5506 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)

7428', Running 9-7/8" hole to 12-1/4". Plan to run 9-5/8" casing to bottom (7428') as a protective string to eliminate bad hole condition at 1700' and consistent lost circulation trouble. Formation from surface to present depth has been the Jurassic Arapien shale and limestone.

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 c/o Mr. W. P. Winham, Div. Supt.
P.O. Box 1076
Salt Lake City 10, Utah

By Emmett W. Clark

Title Development Geologist

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

WELL NO.: Sigurd #1 PROPERTY: Section 32 ANETH AREA

WORK DONE

Spudded @ 12:05 A.M. November 9, 1956.

20" conductor cemented @ 21'.

November 13, 1956

Halliburton cemented 586' of 13 3/8", 48# casing at 580' w/500 sacks Ideal Type I cement mixed w/63-1/4 bbls water in 32 min and displaced w/89 bbls mud in 28 min. Baker guide shoe - one top rubber plug.

Welded 12" Series 900 Shaffer landing head on 13-3/8" casing.

November 15, 1956

Cut off and recovered 20' of 13-3/8" casing.

November 23, 1956

Halliburton equalized 665 sacks of Type I Ideal cement thru 4½" drill pipe hung @ 1540'. Mixed cement w/8.4 bbls water in 4 min and displaced w/18 bbls of mud in 3 min. Cement in place 10:45 P.M. Cementing for lost circulation.

November 24, 1956

Halliburton equalized 67 sacks of Type I cement thru 4½" drill pipe hung @ 1540'. Mixed cement w/8½ bbls of water and displaced w/18 bbls of mud. Cement in place 4:00 A.M. Located cement plug @ 1480'.

Halliburton equalized 67 sacks of Type I cement thru 4½" drill pipe hung @ 1450'. Mixed cement w/8½ bbls water and displaced w/17 bbls mud. Located plug 1453'.

Halliburton equalized 415 sacks Ideal Const cement and 4 sacks Cemontox thru 4½" drill pipe @ 1423'. Cement @ 1:00 P.M. Located cement plug @ 1336'.

Halliburton equalized 50 sacks of Ideal Const cement w/9 sacks Cal-seal added - mixed cement w/8 bbls water and displaced w/16½ bbls mud @ 1316'. Located cement plug @ 1273'.

Halliburton equalized 50 sacks of Ideal Const cement mixed w/9 sacks Cal-seal and 7½ bbls water thru 4½" DP @ 1253'. Displaced w/16 bbls mud. Cement in place 9:30 P.M.

December 20, 1956

Core #1 - 4064 - 4084, (20') No recovery.

Core #2 - 4343 - 4350' (7') Rec 6'

Limestone, lt tn gy-lt gy, argil, sub-crystalline, hd, dns, massively bedded, rare spots of pyrite, intensely fractured & some slickensides. Fractures are thin, irreg, show ltl displacement in general, some are strongly distorted. Random orientation w/tendency to be aligned sub-parallel at 80 - 90° - 20 - 30°. Common white calcite filling. Some fracs are opn but partially filled by halite or w/thin coating of halite crystals and/or

white to light orange calcite crystals, some very irreg partings of shale, dk gry, commonly slickensided and grooved w/assoc halite. Bottom 2' was recovered in fragments and was badly shattered during coring. Top 5' approx, consisted of cement cavings. Occas fine, discontinuous lenses & pods, lt gry, vy fine grained, slty ss & sltst, lt gry, micaceous, indicate poor dips of approx 25°. No O.S.C.F.

Core #3 - 4853 - 4863' (10') Rec 6'
Limey shale w/laminations of sltst & ss. Sh is gry, vy calc, (gradational w/very argil ls), hd, thin bedded. Sltst is lt gry, calc cemt'd, ti, tr/pyrite, thin laminations, generally reg bedded but locally very deformed. Ss is lt gry, very fine grained, very argil, sub angular to sub rounded grains, chiefly quartz w/rare mafics, calc cem'td, in thin lenticular beds, lenses, and pods. Core is 90% shale. Common thin unoriented fracs w/white calcite filling jagged fractures w/very irreg frac planes, partly enechelon, w/partial vuggy filling & coating by white, lt orange & red calcite crystals and white to lt orange halite. Common slickensides, no O.S.C.F. Good dips of 37° to 75° on lenticular bedding and laminations.

Core #4 - 5175 - 5190' (15') Rec 13'
Shale w/laminations of sltst. Sh - dk gry to olive gry, calc, hd, bcm soft when wet, partly micaceous, thin bedded, occas carb specks, very rare pyrite. Sltst - lt gry, calc, very sli micaceous, hd, thin bedded, lenticular, w/some cross bedding, locally grades to ss, lt gry, very fine grained, slty, sli micaceous, ti. Bedding is approx 1/16" to 1" thick, generally regular bedded w/minor cremulations and deformation of a penecontemporaneous nature. Some minor faulting of small displacement. Common gypsum - rich layers in the shale, in part anhydrite?, often broken and spotty in occurance, & common gypsum in irreg dike-like intrusions that cut the bedding. Several high angle fracs w/filling or crystal coating of calcite, quartz, gypsum, & white to orange halite. Fracs are very irreg, vuggy, jagged, w/openings to 1". No O.S.C.F. Good dips of 17-27°, but most commonly 26-27°.

Core #5 - 5595 - 5613', Rec 18'
1' chips of sh, drk gry, hd, calc, laminated to bedded. Sltst, lt gry-grn, hd, massive, calc, No OSCF
1' ss 15%, sltst 50%, & sh 35%, lam & interbd'd. Ss, lt gry, very fine grain, well sorted, ti, hard, has subrounded grains, calc cemt. Sltst is med gry, hd, micromicaceous, calc, Sh is dk gry, calc, locally micac, has local horiz slickensides. Beds & laminae are 1mm to ¼", partly lenticular. Good 55° dips. No OSCF.
1' Ss, med tn-gry, very fine grain, well sorted; grains subround, partly subangular. Rock is calcite-cemented, hard & very ti, mostly massive, partly micac. Minerals are mostly quartz
1' Sltst 50% & shaley sltst 50%, interlaminated & cross bedded
1½' Ss, w/interbed & interlam of dk gry calc, hd, sh at top
7½' Ss, 70% & Sh 30%, intermixed
5' Sltst 50% & Sh 50% laminated and interbedded.

Core #6 - 5992 - 6012', Rec 4'
4' Sh & shaley sandy ss, red, hd, massive
1 3/4' Sltst, shaly, sandy, brick red, sli calc, w/about 30% salt as crystals within the sltst

1' Sh, brick red, calc, hd, massive, very sli micromicaceous, lt gry in one inch patch at top
1' sltst as above
5996 - 6012' - 16' no recovery

Core #7 - 6195 - 6209', Rec 12'
9' Sh, interlam w/anhydrite and sltst,
8" Sh, red-brn, mottled locally w/grn & w/tn silty sh,
2'4" Anhydrite, as sand to pebble size particles in sh & slty sh matrix
2' no recovery

Core #8 - 6733 - 6749', Rec 12'
6' Sh, interbed'd & lam w/sltst
6' Interbd'd & interlam'd Sh, anhydrite & ss

Core #9 - 7251 - 7262', Rec 7'
3' Limestone, lt tn gry,
4' Limestone lam w/sh
4' No recovery

February 16, 1957

Halliburton cemented 7457' of 9-5/8", 47#, 43½# and 40# casing @ 7428' w/275 sacks Ideal Type I cement. First 175 sacks treated w/50 cu ft of Strata-crete & 4% gel, followed w/100 sacks Neat cement. Partial circulation returns. Bumped plugs w/1400# press. Held 5 min. Baker Flexiflow shoe & collar - one bottom, one top rubber plug. cement in place 12:30P.M.

February 16, 1957

Core #10 - 7800 - 7812', Rec 7'
3' Limestone, tn gry, very argil,
4' Limestone w/lenses of sltst & ss
5' No recovery

Core #11 - 8358 - 8370', Rec 6'
4' Laminated ls, frac'd and brecciated
1' Sh, gry, very calc,
1' Top 8" sltst, lt gry, very argil, calc
6' No recovery

Core #12 - 8722 - 8737', Rec 15'
3' interbed'd sh & sltst, oil stn'd
12' Sh w/thin laminations of sltst

Core #13 - 8868 - 8886', Rec 15'
2' Ls, drk gryish brn, very fine gr'd, sdy,
13' Ls, oolitic, drk gryish brn
3' No recovery

Core #14 - 8960 - 8980', Rec 20'
4' Ss, lt reddish brn to reddish brn, dolomitic, vy fine gr'd, slty
5' Ss, as above, interbd'd w/ss, lt gy
8' Ss, reddish brn
1' Interbed'd ss, sh & dolo
2' Ss, reddish brown, aa

WELL NO.: Sigurd Unit #1 PROPERTY: Section 32 ANETH AREA

Core #15 - 8983 - 9001', Rec 17'
2' Sltst, maroon red, dolomitic
8' Ss, orange red to maroon red,
3' Ss, intbd'd white, pinkish red & maroon red, dolomitic
3' Ss, aa, occas crs grn'd, no OSCF
1' Ss, quartzitic, white, fine to med grn'd. (Top of Navajo Fm.)

Core #16 - 9001 - 9006', Rec 5'
5' Ss, quartzitic, wh to vy lt tn, fn to med grn'd w/some cse grains

Core #17 - 9006 - 9036', Rec 19'
2½' Ss, quartzitic, wh, fine-med grn'd, excel sortings, no OSCF
16½' Ss, quartzitic, chiefly as above,
11' No recovery

Core #18 - 9165 - 9173', Rec 8'
8' Ss, quartzitic, lt orange tan to lt pink tn, no OSCF

March 23, 1957

Mandrel on Bowen jars broke off while coring at 9173'. Ran 5-3/4 X 7½ Bowen O'shot. Recovered fish.

March 24, 1957

Ran Halliburton tester - set dual pkrs at 8994' w/tail to 9173'. Packers failed to hold. Reran - set packers at 9004' - failed to hold.

March 25, 1957

Reran Halliburton F.T. Set dual pkrs at 8966'. Pkrs leaked after 20 min. Halliburton jars & safety jt. Rec 700' drilling fluid.

March 26, 1957

Recovered cone off of Hughes bit with 8" McCullough magnet

March 29, 1957

Core #19 - 9260 - 9275', Rec 12'
12' Ss, brick red or brnish red, fine grn'd
3' No recovery

Core #20 - 9443 - 9477', Rec 34'
11' Ss, quartzone, lt orange, med to crse grn'd, chiefly frosted
4' Ss, quartzone, lt orange to lt orange tn, looks wet, no OSCF
19' Ss, quartzone, aa, massively bedded, no OSCF

April 4, 1957

Finished running Laterolog - ran Microlaterolog (no good)

WELL NO.: Sigurd Unit #1 PROPERTY: Section 32 ANETH AREA

April 5, 1957

JFT interval 9309 - 9477'. Set dual 7½" packers at 9309, & 9309' w/5½" perf tail at 9316' - 9332'. Blank 9338 - 9448 - Perf 9448 to 9474 w/Bomb to bottom - Bowen jars & Homco safety jt. Valve open 11:42 P.M. to 1:32 A.M. 1200' cushion w/100' of mud. Good medium blow 35 min - decreasing to dead at end of 1 hr 50 min test. Rec 7422' net rise of salt water. Testing 3000. Charts showed 4950 hydrostatic, dropping to 2650# when valve opened, rising to 3990# at end of test. ½ hr shut in showed 4000# final press.

April 10, 1957

Halliburton spotted 48 bbls of #6 burner oil thru stuck drill pipe at 9608'. Displaced w/148 bbls of mud. 15 bbls pumped out then pumped 2 bbls every half hour. Halliburton spotted 45 bbls of oil including 20% diesel thru stuck pipe at 9608 - pumped 15 bbls, out, then pumped 2 bbls every hour.

April 11, 1957

Ran McCullough mangatretor found free point & backed off at 9273 ' (left in hole 11 drill collars & jars - 334'.

April 12, 1957

Ran 4½" Bowen bumper sub on 15 drill collars circulated & drove down on stuck drill collars. Jarred down 8 hours, pipe did not move. Reran McCullough magnatector, located free point and placed string shot at 9336'. Backed off, pulled, left in hole 11 drill collars and jars. Top of fish 9273'.

April 13, 1957

Ran Bowen bumper sub on 15 - 5-3/4 drill collars, failed to screw into fish - ran Bowen overshot, could not circulate thru fish. Ran McCullough dhisel tool on line, fish plugged in top of drill collars @ 9273'. Released overshot & circulated @ 9270'.

April 14, 1957

160' ran 7 5/8" hydril washover pipe, stopped @ 8998'. Jarred loose w/pipe, would not go below 8998. Circulated, pulled. Ran 85' of 7 5/8" wash pipe, worked down to 9100' and stopped.

April 15, 1957

Ran clean out tool on DP. Ran Bowen O'shot - did not hold - pulled - serviced o'shot - reran McCullough chisel tool on wire line. Cleaned out drill collars to 9556'. Ran magnatector - stopped top of drill collar @ 9267'.

April 16, 1957

Reran McCullough chisel tool on line to 9556' but stopped every time in top of fish. Released o'shot & pulled. Ran McCullough jars & bumper sub to screw on & jar - could not screw on fish, pulled. Laid down drill collars.

WELL NO.: Sigurd Unit #1 PROPERTY: Section 32 ANETH AREA

April 18, 1957

Plugged w/cement 9061 - 8800'. Halliburton equalized 90 sax Ideal Type I cement w/15% sand thru 4½" drill pipe at 9061'. Mixed cement w/11½ bbls of water and displaced w/121 bbls of mud. Pumped 5 bbls water ahead of cement.

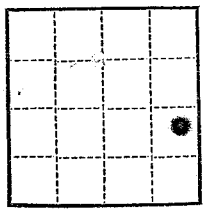
Plugged w/cement 7438 - 7318'. Halliburton equalized 40 sacks Ideal Type I cement thru 4½" DP at 7438'. Mixed cement w/5 bbls water in 6 min & displaced w/101 bbls mud in place at 6:30 A.M.

Contractor released 8:00 A.M. April 18, 1957.

C. N. BEYRLE

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. Patented
Unit Sigurd

Noted Carl 3/8/57

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	X
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)

March 6, 19 57

Well No. 1 is located 1705 ft. from {N/S} line and 675 ft. from {E/W} line of sec. 32

NE SE Sec. 32 (¼ Sec. and Sec. No.) | T.22S (Twp.) | R.1W. (Range) | SL (Meridian)

Wildcat (Field) | Sevier County (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5506 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)

Cemented 9-5/8", 43#, 8 rnd, new casing at 7420' in the Arapien formation with 275 sacks cement. Casing was run to eliminate bad hole condition and lost circulation trouble.

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 c/o W. P. Winham
P.O. Box 1976
Salt Lake City, Utah

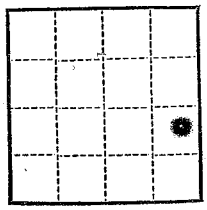
By Erwin W. Clark

Title Development Geologist

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. Patented
Unit Signal

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	X
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)

March 6, 19 57

Well No. 1 is located 1705 ft. from {N/S} line and 675 ft. from {E/W} line of sec. 32

NE SE Sec. 32 — (¼ Sec. and Sec. No.)
T.22S — (Twp.)
R.1W. — (Range)
SL — (Meridian)
Wildcat — (Field)
Sevier County — (County or Subdivision)
Utah — (State or Territory)

The elevation of the derrick floor above sea level is 5506 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)

Cemented 9-5/8", 43#, 8 rnd, new casing at 7428' in the Arapien formation with 275 sacks cement. Casing was run to eliminate bad hole condition and lost circulation trouble.

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 c/o W. P. Winham
P.O. Box 1076
Salt Lake City, Utah

By Erwin W Clark

Title Development Geologist

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

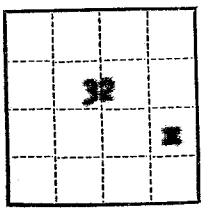
Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. Patented
Unit SIGURD



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	X	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

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

April 3, 19 57

Well No. 1 is located 1705 ft. from {N/S} line and 675 ft. from {E/W} line of sec. 32

NE SE Sec. 32 (¼ Sec. and Sec. No.) | 22S (Twp.) | 1W (Range) | SL (Meridian)

Wildcat (Field) | Sevier (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5506 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)

Probable T.D.: 9475'. Well spudded in Arapien; Top Navajo: 8999'; Bottomed in Navajo. No shows.
Casing Record: 13-3/8" @ 580'; 9-5/8" @ 7128'.
Plugging Procedure:

1. Set 40 sack plug 9030-8970', & 30 sack plug 7450-7600.
2. Attempt recovery of 9-5/8" casing from free point.
3. Plug over stub of 9-5/8" casing if cut & recovered. If recovered from below 3000' put 20 sack plugs at 2000' intervals. If recovered from just below surface casing cover both stub of 9-5/8" & shoe of 13-3/8" with plug.
4. Plug across shoe of 13-3/8".
5. Plug top of 13-3/8".
6. Fill in pits, clean up location, & erect location marker.

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

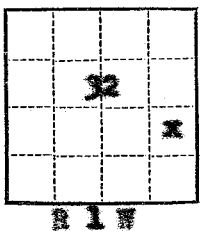
By Erwin W Clark
By ZJP

Title Erwin W. Clark
Chief Development Geologist

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. Patented
Unit Sigurd

Noted
Ok 4-24-57

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	X	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		Suspended	X

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

April 18, 1957

Well No. Sigurd Unit 61 is located 1705 ft. from {N/S} line and 675 ft. from {E/W} line of sec. 32

NE SE Sec. 32 (¼ Sec. and Sec. No.) T. 22 S. (Twp.) R. 1 W. (Range) S.L. (Meridian)

Kildent (Field) Sevier County (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5506 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)

Present total depth 9638 feet. Well spudded in Arapien; top Navajo 8999 feet. Bottomed in Navajo. No shows. Casing record: 13 3/8" at 580 feet; 9 5/8" at 7428'.

As per telephone agreement between Mr. Russell and Mr. Clark on April 16, 1957, the well was suspended for an estimated period of approximately 6 months in the following manner:

1. Interval 9061-9638' filled with heavy mud.
2. Plugged interval 9061-8800' with 90 sacks cement.
3. Interval 7438-8800' filled with heavy mud.
4. Plugged interval 7438-7328' with 40 sacks cement.
5. Placed 10 sack cement plug in top of 9 5/8" casing at the surface.
6. Drained sump and eliminated any hazards around location to people or livestock.

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

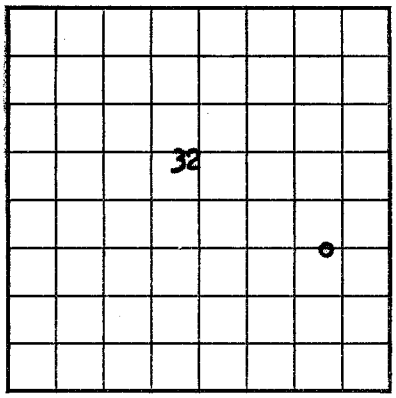
By E. W. Clark

Title DEVELOPMENT GEOLOGIST

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-330 T. 22S.

R.1W



LOCATE WELL CORRECTLY

Bureau No. 42-R355.1.
Approval expires 11-30-49.

U. S. LAND OFFICE Salt Lake City

SERIAL NUMBER Patented

LEASE OR PERMIT TO PROSPECT Sigurd

Noted on map 5-1-57

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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

Lessor or Tract Sigurd Unit Field Wildcat State Utah

Well No. #1 Sec. 32 T. 22S R. 1W Meridian Salt Lake County Sevier

Location 1705 ft. {N./S.} South of ---- Line and 675 ft. {E./W.} East of Sec. 32 Line of ---- Elevation 5506'
(Derrick floor relative to sea level)

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.

Signed Erwin Clark

Date April 23, 1957 Title Geologist

The summary on this page is for the condition of the well above date.

Commenced drilling November 9, 1956 Finished drilling Suspended April 18, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to ---- No. 4, from ---- to ----

No. 2, from ---- to ---- No. 5, from ---- to ----

No. 3, from ---- to ---- No. 6, from ---- to ----

IMPORTANT WATER SANDS

No. 1, from None to ---- No. 3, from ---- to ----

No. 2, from ---- to ---- No. 4, from ---- to ----

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
13-3/8	48#	8 Rnd	Youngstown	580'	Halliburton	--	--	--	Surface
9-5/8	44#	8 Rnd	Jones & Laughlin	7428'	Baker				Protective

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	580	500	Displacement		
9-5/8	7428	275	Displacement		

PLUGS AND ADAPTERS

Heaving plug—Material ---- Length ---- Depth set ----

Adapters—Material ---- Size ----

FOLD MARK

9-5/8	7428	275	Displacement

FOLD | MARK

PLUGS AND ADAPTERS

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 9638 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing None, 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

Art Jensen, Driller Robert D. Burns, Driller

Frank Vetere, Driller Leonard C. Higginson, Foreman ~~Driller~~

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			FORMATION TOPS:
			Arapien - Surface
			Navajo - 8997'
			SEE ATTACHED RECORD

FROM— TO— TOTAL FEET FORMATION

(OVER)

FORMATION RECORD—CONTINUED

16—43094-1 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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.

Cement Plugs:

8800 - 9068' - 90 sacks
7328 - 7438' - 40 sacks
20'-surface 10 sacks

Fish:

335' of 6-1/4" & 5-3/4" drill collars, cross-over sub, McCullough jars & 8-1/2" bit from 9273' to 9608'.

From	To	Total Feet	Formation
0	100'	100'	Interbedded shale, light gray to dark gray, very calcareous, partly silty; some gypsum in vugs, siltstone, light gray, calcareous; gypsum, white, pink, earthy to crystalline, and sandstone, orange-brown, gray, fine grained grading to silt, friable to hard, calcareous, gypsiferous, partly salt & pepper texture.
100'	130'	30'	Shale, red-brown, bentonitic, calcareous, soft, silty & gypsiferous with some interbedded sandstone & gypsum.
130'	175'	45'	Shale, light gray, very calcareous, hard, waxy to earthy texture, partly silty with some interbedded gypsum.
175'	210'	35'	Sandstone, gray, very fine grained grading to siltstone, calcareous, hard to slightly friable, tight with some interbedded gypsum.
210'	500'	290'	Shale, light gray to light green-gray, very calcareous, hard, dense, partly silty, trace gypsum, and with some micro-vugs and fractures filled with white calcite.
500'	650'	150'	Limestone, light to medium gray, to tan-gray, sub-crystalline, very argillaceous, hard, dense with thin calcite filled fractures.
650'	680'	30'	Sandstone, light gray, very fine grained grading to silt-stone, silty, friable to hard, calcareous, argillaceous, quartzose & tight.
680'	750'	70'	Limestone, as above, with some interbedded siltstone, light gray, calcareous friable and sandstone, light gray, silty, calcareous & tight.
750'	890'	140'	Limestone, as above, fractured, gypsiferous, white, amorphous, along fractures and in micro-vugs & with interbedded gypsum, white, amorphous to very fine grained, trace selenite & trace interbedded sandstone, light gray, very fine grained.
890'	930'	40'	Sandstone, light gray, very fine grain, silty, calcareous, friable, salt & pepper texture, slightly micaceous, low perm, with some interbedded limestone, as above.
930'	1110'	180'	Limestone, light gray, tan-gray, argillaceous, hard, dense, sub-crystalline, partly silty, partly gypsiferous, some calcite filled fractures, and with some interbedded sand-stone below 1090', as above, light tan-gray.
1110'	1120'	10'	Interbedded shale, red-brown, gray, bentonitic, silty, soft, calcareous, partly fractured, gypsiferous, with orange quartz crystals & siltstone, gray, soft, argillaceous & calcareous.

From	To	Total Feet	Formation
1120'	1240'	120'	Limestone, as above, some orange-red quartz vein filling.
1240'	1250'	10'	Shale, light gray, bentonitic, silty, calcareous.
1250'	1950'	700'	Limestone, fractured, trace salt castic, as above, with some interbedded siltstone & sandstone, as above, rare traces of limestone, tan, oolitic, lost circulation in intervals to 1750'.
1950'	1980'	30'	Limestone, as above, with interbedded siltstone, brick red, calcareous, hard, salt castic & siltstone, light gray, light tan-gray, calcareous, partly sandy, tight.
1980'	2100'	120'	Limestone, as above.
2100'	2173'	73'	Shale, light green-gray, gray, slightly silty in part, very slightly dolomitic, slightly micaceous, common white clay specks, salt castic, firm, micro-vugs with common orange quartz crystals.
2173'	2310'	137'	Limestone, as above, with streaks of shale, as above.
2310'	2340'	30'	Siltstone, light gray to light tan-gray, calcareous, argillaceous, and sandstone, light gray to light tan-gray, very fine to fine grain, silty, calcareous, slightly micaceous, friable, feldspathic?, low perm.
2340'	2640'	300'	Limestone, as above, gypsiferous, partly salt castic & partly fractured with interbedded siltstone, light tan-gray, light tan-red, argillaceous, calcareous, gypsiferous, partly salt castic; and sandstone, light gray, tan, light orange, very fine to fine grain, partly micaceous, calcareous, friable, moderately well sorted, partly gypsiferous, low perm & porosity.
2640'	3110'	470'	Limestone, as above, light gray, to light tan-gray, sub-crystalline with streaks, argillaceous, hard, partly gypsiferous, trace salt castic, trace pyrite, partly stylolitic, & slickensided, fractured with quartz and calcite filling. Minor laminations of siltstone & sand-stone, light gray.
3110'	3125'	15'	Shale, red, gray, partly silty, slightly calcareous, partly salt castic, firm, with orange quartz crystals.
3125'	3430'	305'	Limestone, as above.
3430'	3980'	550'	Limestone, as above, gypsiferous, salt castic, fractured with laminations and interbeds of sandstone, light gray, light tan-gray, very fine grain, calcareous, gypsiferous, partly micaceous; siltstone, light gray, light tan, calcareous, micaceous, partly gypsiferous.

From	To	Total Feet	Formation
3980'	4280'	300'	Limestone, as above, fractured with calcite & halite filling, partly very gypsiferous, with minor laminations of siltstone and sandstone, as above.
4280'	4610'	330'	Limestone, as above, with interbedded & laminated siltstone, red, light gray, light orange, argillaceous, partly salt castic, calcareous, partly micaceous, in part with orange quartz crystals and tight; shale, red, slightly silty, hard, salt castic; and sandstone, light orange, light tan, very fine to fine grain, calcareous, silty, argillaceous, hard to friable.
4610'	4640'	30'	Limestone, as above.
4640'	5320'	680'	Shale, light gray, gray, olive gray, calcareous to very calcareous, partly silty, partly micaceous, rare pyrite, thin bedded, hard, dense, fractured with filling of calcite, quartz, halite, gypsum and anhydrite interbedded and laminated with siltstone, light gray, calcareous, slightly micaceous & tight, some thin laminations of shaly anhydrite; and rare sandstone, light gray, light tan-orange, very fine grain, argillaceous, silty, calcareous, hard, sub-angular to sub-rounded quartz grains & tight.
5320'	5330'	10'	Sandstone, gray, fine grain, quartzose, calcareous cement, sub-rounded to rounded grains, trace rock fragments & glauconite?, hard, tight.
5330'	5860'	530'	Interbedded shale, as above, fractured; siltstone, as above, and sandstone, light gray, light tan-gray, very fine to fine grain, partly silty, calcareous, quartzose, fair to good sorting, sub-angular to sub-rounded grains, friable to hard, & low perm to tight.
5860'	5950'	90'	Interbedded shale, siltstone and sandstone, as above, with streaks and interbeds of shale & siltstone, red, slightly calcareous, hard & salt castic.
5950'	7160'	1210'	Shale, as above, dark gray, gray, red, calcareous, hard, slightly micaceous, with laminations and spots of anhydrite, thin bedded and fractured with calcite & some halite filling; interbedded with siltstone, light gray, gray, red, calcareous, slightly micaceous, partly salt castic, partly sandy; and some anhydrite, white to pink, impure, shaley.
7160'	7380'	220'	Shale with interbedded siltstone, as above, rare red sediments and some interbedded limestone, tan-gray, argillaceous, sub-crystalline, dense, partly micaceous, hard, and fractured.
7380'	7990'	610'	Limestone, tan-gray, tan, as above, fractured, brecciated in part, with interbedded more below 7600', with minor interbedded sandstone, siltstone and shale, as above. Sandstone breaks at 7520-30', 7640-50', and 7650-60'; siltstone and shale breaks at 7680-90', 7830-50', and 7975-85'. Calcareous

From	To	Total Feet	Formation
	(continued)		dolomite, tan microcrystalline, argillaceous, hard, dense, with few inclusions of anhydrite at 7945-55'.
7990'	8155'	165'	Shale, dark gray, green-gray, dark olive-gray, partly silty, firm to hard, with specks of white clay and orange quartz crystals, micro-vugs, & some interbedded limestone, as above.
8155'	8190'	35'	Interbedded limestone, as above, shale, as above, and siltstone, light gray, argillaceous, and calcareous.
8190'	8320'	130'	Limestone, as above, with marl.
8320'	8350'	30'	Sandstone, light orange, light tan, very fine grain, silty, friable, quartzose with interbedded shale, light gray, red, salt castic, with orange quartz crystals.
8350'	8400'	50'	Shale, as above, with interbedded limestone, as above.
8400'	8540'	140'	Limestone, as above, with minor shale, streak, as above.
8540'	8576'	36'	Interbedded shale, gray, green-gray, red, slightly domomitic, hard, white clay specks, partly salt castic, orange quartz crystals, micro-vugs with interbedded limestone, as above, and inclusions of anhydrite.
8576'	8710'	134'	Limestone, dark olive-gray, dark brown-gray, argillaceous, sub-crystalline to micro-crystalline, very dense, hard, splintery with few minor thin calcite fractures. Becoming oolitic below 8665' and with minor streaks of siltstone, gray, calcareous, hard, tight and sandstone, gray, very fine grain, silty, calcareous, micaceous and quartzose.
8710'	8830'	120'	Shale, dark gray, dolomitic to calcareous, hard, dense, splintery, partly micaceous with minor laminations of siltstone, brown, gray, dense, tight. Very minor brown oil staining in siltstone in Top 10' of interval.
8830'	8943'	113'	Limestone, dark gray-brown, as above, oolitic with minor spoty oil staining in calcite filled fractures, bright yellow fluorescense, very tight.
8943'	8997'	54'	Sandstone, dolomitic, gray, red-brown, orange-red, white, very fine grain, argillaceous, silty, ferruginous, hard, dense, cemented, lightly oil stained to 8970', very tight, light yellow, uneven fluorescence with questionable cut in CCl_4. Some streaks of shale and siltstone, maroon, dolomitic, dense and hard.
8997'	9243'	246'	Sandstone, quartzitic, white, light pink-tan, light orange-tan, fine to coarse grained, common secondary quartz growths cementing rock, good sorting, ±98% quartz, ±2% white clay, ferromags, and rock fragments, hard, tight, impermeable, cross-bedded.

From	To	Total Feet	Formation
9243'	9294'	51'	Sandstone, brick red, brown-red, very fine grain, silty, argillaceous, ferruginous, slightly dolomitic, micaceous, sub-angular to sub-rounded quartz grains, quartzose, hard, dense, tight, impermeable. Streaks of shale & siltstone maroon, silty, hard.
9294'	9638'	344'	Sandstone, quartzose, light orange-tan, fine to coarse grain, generally tightly packed, some interstitial white clay, generally friable, moderate to excellent sorting, frosted grains, some secondary quartz growths, low to good permeability & porosity cross-bedded.

"In lieu of Form 9-330"

COMPLETION REPORT — NEW WELL

STANDARD OIL COMPANY OF CALIFORNIA

FIELD: Sigurd Anticline PROPERTY: Section 32

WELL NO: 1 Sec. 32 T. 22 S R. 1 W SL B. & M.
U. S. Land Office - Patented

LOCATION: 1704.41' N & 674.87' W of SE corner.

ELEVATION: 5506' Derrick Floor. D. F. is _____' above mat.

DATE: May 27, 1957 By J. R. VOOKER
Manager, Producing Department

DRILLED BY: Mountain States Drilling Company

DATE COMMENCED DRILLING: November 9, 1956 DATE COMPLETED DRILLING:

DATE OF INITIAL PRODUCTION:

7-12-57

PRODUCTION:

Daily average, 1st _____ days	Gravity _____ ° API	Pumping _____
Oil . . . . . _____ Bbls.	T. P. _____ PSI	Flowing _____
Water . . . . _____ Bbls.	C. P. _____ PSI	Gas Lift _____
Gas . . . . . _____ Mcf.	Bean _____ /64"	

SUMMARY

Casing: 20" conductor cemented @ 21'
13-3/8", 48#, J-55 casing cemented @ 561'
9-5/8", 47#, 43½#, 40#, J-55 casing cemented @ 7457'

LOGS: Schlumberger Laterolog
Schlumberger Dipmeter Survey

Spudded: November 9, 1956

Drilling Operations Suspended: April 18, 1957, after leaving 334' of dull collars in hole. Plugged 9-61 - 8800' interval w/90 sacks of Ideal cement w/1% sand; plugged 7438 - 7318' interval w/40 sacks of Ideal cement and set plug at 15 - 45' interval.

Sigurd #1 PROPERTY: Section 32 ~~ARETH AREA~~

WORK DONE

Spudded @ 12:05 A.M. November 9, 1956.

20" conductor cemented @ 21'.

November 13, 1956

Halliburton cemented 586' of 13 3/8", 48# casing at 580' w/500 sacks Ideal Type I cement mixed w/63-1/4 bbls water in 32 min and displaced w/89 bbls mud in 28 min. Baker guide shoe - one top rubber plug.

Welded 12" Series 900 Shaffer landing head on 13-3/8" casing.

November 15, 1956

Cut off and recovered 20' of 13-3/8" casing.

November 23, 1956

Halliburton equalized 665 sacks of Type I Ideal cement thru 4½" drill pipe hung @ 1540'. Mixed cement w/8.4 bbls water in 4 min and displaced w/18 bbls of mud in 3 min. Cement in place 10:45 P.M. Cementing for lost circulation.

November 24, 1956

Halliburton equalized 67 sacks of Type I cement thru 4½" drill pipe hung @ 1540'. Mixed cement w/8½ bbls of water and displaced w/18 bbls of mud. Cement in place 4:00 A.M. Located cement plug @ 1480'.

Halliburton equalized 67 sacks of Type I cement thru 4½" drill pipe hung @ 1450'. Mixed cement w/8½ bbls water and displaced w/17 bbls mud. Located plug 1453'.

Halliburton equalized 415 sacks Ideal Const cement and 4 sacks Cemontox thru 4½" drill pipe @ 1423'. Cement @ 1:00 P.M. Located cement plug @ 1336'.

Halliburton equalized 50 sacks of Ideal Const cement w/9 sacks Cal-seal added - mixed cement w/8 bbls water and displaced w/16½ bbls mud @ 1316'. Located cement plug @ 1273'.

Halliburton equalized 50 sacks of Ideal Const cement mixed w/9 sacks Cal-seal and 7½ bbls water thru 4½" DP @ 1253'. Displaced w/16 bbls mud. Cement in place 9:30 P.M.

December 20, 1956

Core #1 - 4064 - 4084, (20') No recovery.

Core #2 - 4343 - 4350' (7') Rec 6'

Limestone, lt tn gy-lt gy, argil, sub-crystalline, hd, dns, massively bedded, rare spots of pyrite, intensely fractured & some slickensides. Fractures are thin, irreg, show ltl displacement in general, some are strongly distorted. Random orientation w/tendency to be aligned sub-parallel at 80 - 90° - 20 - 30°. Common white calcite filling. Some fracs are opn but partially filled by halite or w/thin coating of halite crystals and/or

white to light orange calcite crystals, some very irreg partings of shale, dk gry, commonly slickensided and grooved w/assoc halite. Bottom 2' was recovered in fragments and was badly shattered during coring. Top 5' approx, consisted of cement cavings. Occas fine, discontinuous lenses & pods, lt gry, vy fine grained, slty ss & sltst, lt gry, micaceous, indicate poor dips of approx 25°. No O.S.C.F.

Core #3 - 4853 - 4863' (10') Rec 6'
Limey shale w/laminations of sltst & ss. Sh is gry, vy calc, (gradational w/very argil ls), hd, thin bedded. Sltst is lt gry, calc cemt'd, ti, tr/pyrite, thin laminations, generally reg bedded but locally very deformed. Ss is lt gry, very fine grained, very argil, sub angular to sub rounded grains, chiefly quartz w/rare mafics, calc cem'td, in thin lenticular beds, lenses, and pods. Core is 90% shale. Common thin unoriented fracs w/white calcite filling jagged fractures w/very irreg frac planes, partly enechelon, w/partial vuggy filling & coating by white, lt orange & red calcite crystals and white to lt orange halite. Common slickensides, no O.S.C.F. Good dips of 37° to 75° on lenticular bedding and laminations.

Core #4 - 5175 - 5190' (15') Rec 13'
Shale w/laminations of sltst. Sh - dk gry to olive gry, calc, hd, bcm soft when wet, partly micaceous, thin bedded, occas carb specks, very rare pyrite. Sltst - lt gry, calc, very sli micaceous, hd, thin bedded, lenticular, w/some cross bedding, locally grades to ss, lt gry, very fine grained, slty, sli micaceous, ti. Bedding is approx 1/16" to 1" thick, generally regular bedded w/minor cremulations and deformation of a penecontemporaneous nature. Some minor faulting of small displacement. Common gypsum - rich layers in the shale, in part anhydrite?, often broken and spotty in occurance, & common gypsum in irreg dike-like intrusions that cut the bedding. Several high angle fracs w/filling or crystal coating of calcite, quartz, gypsum, & white to orange halite. Fracs are very irreg, vuggy, jagged, w/openings to 1". No O.S.C.F. Good dips of 17-27°, but most commonly 26-27°.

Core #5 - 5595 - 5613', Rec 18'
1' chips of sh, drk gry, hd, calc, laminated to bedded. Sltst, lt gry-grn, hd, massive, calc, No OSCF
1' ss 15%, sltst 50%, & sh 35%, lam & interbd'd. Ss, lt gry, very fine grain, well sorted, ti, hard, has subrounded grains, calc cemt. Sltst is med gry, hd, micromicaceous, calc, Sh is dk gry, calc, locally micac, has local horiz slickensides. Beds & laminas are 1mm to $\frac{1}{4}$", partly lenticular. Good 55° dips. No OSCF.
1' Ss, med tn-gry, very fine grain, well sorted; grains subround, partly subangular. Rock is calcite-cemented, hard & very ti, mostly massive, partly micac. Minerals are mostly quartz
1' Sltst 50% & shaley sltst 50%, interlaminated & cross bedded
1½' Ss, w/interbed & interlam of dk gry calc, hd, sh at top
7½' Ss, 70% & Sh 30%, intermixed
5' Sltst 50% & Sh 50% laminated and interbedded.

Core #6 - 5992 - 6012', Rec 4'
4' Sh & shaley sandy ss, red, hd, massive
1 3/4' Sltst, shaly, sandy, brick red, sli calc, w/about 30% salt as crystals within the sltst

WELL NO.: Sigurd Unit #1 PROPERTY: Section 32 [redacted]

1' Sh, brick red, calc, hd, massive, very sli micromicaceous, lt gry in one inch patch at top
1' sltst as above
5996 - 6012' - 16' no recovery

Core #7 - 6195 - 6209', Rec 12'
9' Sh, interlam w/anhydrite and sltst,
8" Sh, red-brn, mottled locally w/grn & w/tn silty sh,
2'4" Anhydrite, as sand to pebble size particles in sh & slty sh matrix
2' no recovery

Core #8 - 6733 - 6749', Rec 12'
6' Sh, interbed'd & lam w/sltst
6' Interbd'd & interlam'd Sh, anhydrite & ss

Core #9 - 7251 - 7262', Rec 7'
3' Limestone, lt tn gry,
4' Limestone lam w/sh
4' No recovery

February 16, 1957

Halliburton cemented 7457' of 9-5/8", 47#, 43½# and 40# casing @ 7428' w/275 sacks Ideal Type I cement. First 175 sacks treated w/50 cu ft of Strata-crete & 4% gel, followed w/100 sacks Neat cement. Partial circulation returns. Bumped plugs w/1400# press. Held 5 min. Baker Flexiflow shoe & collar - one bottom, one top rubber plug. cement in place 12:30P.M.

February 16, 1957

Core #10 - 7800 - 7812', Rec 7'
3' Limestone, tn gry, very argil,
4' Limestone w/lenses of sltst & ss
5' No recovery

Core #11 - 8358 - 8370', Rec 6'
4' Laminated ls, frac'd and brecciated
1' Sh, gry, very calc,
1' Top 8" sltst, lt gry, very argil, calc
6' No recovery

Core #12 - 8722 - 8737', Rec 15'
3' interbed'd sh & sltst, oil stn'd
12' Sh w/thin laminations of sltst

Core #13 - 8868 - 8886', Rec 15'
2' Ls, drk gryish brn, very fine gr'd, sdy,
13' Ls, oolitic, drk gryish brn
3' No recovery

Core #14 - 8960 - 8980', Rec 20'
4' Ss, lt reddish brn to reddish brn, dolomitic, vy fine gr'd, slty
5' Ss, as above, interbd'd w/ss, lt gy
8' Ss, reddish brn
1' Interbed'd as, sh & dolo
2' Ss, reddish brown, aa

WELL NO.: Sigurd Unit #1 PROPERTY: Section 32 [redacted]

Core #15 - 8983 - 9001', Rec 17'
2' Sltst, maroon red, dolomitic
8' Ss, orange red to maroon red,
3' Ss, intbd'd white, pinkish red & maroon red, dolomitic
3' Ss, aa, occas crs grn'd, no OSCF
1' Ss, quartzitic, white, fine to med grn'd. (Top of Navajo Fm.)

Core #16 - 9001 - 9006', Rec 5'
5' Ss, quartzitic, wh to vy lt tn, fn to med grn'd w/some cse grains

Core #17 - 9006 - 9036', Rec 19'
2½' Ss, quartzitic, wh, fine-med grn'd, excel sortings, no OSCF
16½' Ss, quartzitic, chiefly as above,
11' No recovery

Core #18 - 9165 - 9173', Rec 8'
8' Ss, quartzitic, lt orange tan to lt pink tn, no OSCF

March 23, 1957

Mandrel on Bowen jars broke off while coring at 9173'. Ran 5-3/4 X 7½ Bowen O'shot. Recovered fish.

March 24, 1957

Ran Halliburton tester - set dual pkrs at 8994' w/tail to 9173'. Packers failed to hold. Reran - set packers at 9004' - failed to hold.

March 25, 1957

Reran Halliburton F.T. Set dual pkrs at 8966'. Pkrs leaked after 20 min. Halliburton jars & safety jt. Rec 700' drilling fluid.

March 26, 1957

Recovered cone off of Hughes bit with 8" McCullough magnet

March 29, 1957

Core #19 - 9260 - 9275', Rec 12'
12' Ss, brick red or brnish red, fine grn'd
3' No recovery

Core #20 - 9443 - 9477', Rec 34'
11' Ss, quartzone, lt orange, med to crse grn'd, chiefly frosted
4' Ss, quartzone, lt orange to lt orange tn, looks wet, no OSCF
19' Ss, quartzone, aa, massively bedded, no OSCF

April 4, 1957

Finished running Laterolog - ran Microlaterolog (no good)

WELL NO.: Sigurd Unit #1 PROPERTY: Section 32 ~~ANDOR AREA~~

April 5, 1957

JFT interval 9309 - 9477'. Set dual 7½" packers at 9309, & 9309' w/5½" parf tail at 9316'. 9332'. Blank 9338 - 9448 - Perf 9448 to 9474 w/Bomb to bottom - Bowen jars & Homco safety jt. Valve open 11:42 P.M. to 1:32 A.M. 1200' cushion w/100' of mud. Good medium blow 35 min - decreasing to dead at end of 1 hr 50 min test. Rec 7422' net rise of salt water. Testing 3000. Charts showed 4950 hydrostatic, dropping to 2650# when valve opened, rising to 3990# at end of test. ½ hr shut in showed 4000# final press.

April 10, 1957

Halliburton spotted 48 bbls of #6 burner oil thru stuck drill pipe at 9608'. Displaced w/148 bbls of mud. 15 bbls pumped out then pumped 2 bbls every half hour. Halliburton spotted 45 bbls of oil including 20% diesel thru stuck pipe at 9608 - pumped 15 bbls, out, then pumped 2 bbls every hour.

April 11, 1957

Ran McCullough mangatretor found free point & backed off at 9273 ' (left in hole 11 drill collars & jars - 334'.

April 12, 1957

Ran 4½" Bowen bumper sub on 15 drill collars circulated & drove down on stuck drill collars. Jarred down 8 hours, pipe did not move. Reran McCullough magnatector, located free point and placed string shot at 9336'. Backed off, pulled, left in hole 11 drill collars and jars. Top of fish 9273'.

April 13, 1957

Ran Bowen bumper sub on 15 - 5-3/4 drill collars, failed to screw into fish - ran Bowen overshot, could not circulate thru fish. Ran McCullough dhisel tool on line, fish plugged in top of drill collars @ 9273'. Released overshot & circulated @ 9270'.

April 14, 1957

160' ran 7 5/8" hydril washover pipe, stopped @ 8998'. Jarred loose w/pipe, would not go below 8998. Circulated, pulled. Ran 85' of 7 5/8" wash pipe, worked down to 9100' and stopped.

April 15, 1957

Ran clean out tool on DP. Ran Bowen O'shot - did not hold - pulled - serviced o'shot - reran McCullough chisel tool on wire line. Cleaned out drill collars to 9556'. Ran magnateetor - stopped top of drill collar @ 9267'.

April 16, 1957

Reran McCullough chisel tool on line to 9556' but stopped every time in top of fish. Released o'shot & pulled. Ran McCullough jars & bumper sub to screw on & jar - could not screw on fish, pulled. Laid down drill collars.

STANDARD OIL COMPANY OF CALIFORNIA
WESTERN DIVISION
211 EAST THIRD SOUTH STREET • SALT LAKE CITY • UTAH

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

April 26, 1957

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

Gentlemen:

We are enclosing herewith one copy of Form 9-330, Log of Oil or Gas Well, covering our Sigurd Unit #1, Section 32, T.22S., R.1W., as required by your agency.

Yours very truly,

W. P. Winham

/mgs

Enclosures: 1. Form 9-330
2. Accompanying Log of Sigurd Unit

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER Patented
UNIT Sigurd

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Sevier Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of May & June, 19 57,

Agent's address P.O. Box 1076
Salt Lake City 10, Utah

Company Standard Oil Co. of California

Signed W. P. Hinkamp

Agent's title Division Superintendent

Phone Davis 2-5831

SEC. AND ¼ OF ¼	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)
SE NE NE Sec. 32	22S	1W	1							T.D. 9638'. Suspended temporarily due to mechanical difficulties.

VBH 10-1328

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.)

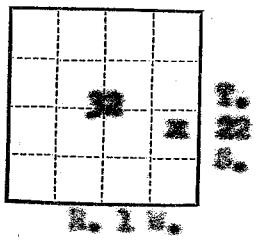
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329
(January 1950)

16—25766-8 U. S. GOVERNMENT PRINTING OFFICE

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. Patented
Unit Sigurd

Noted Carls 7-1-57

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			
Notice of intention to deepen	X		

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

June 20, 19 57

Well No. 1 is located 1705 ft. from {N/S} line and 675 ft. from {E/W} line of sec. 32

NE SE Sec. 32 (¼ Sec. and Sec. No.) | 22 S. (Twp.) | 1 W. (Range) | SL (Meridian)

Wildcat (Field) | Sevier (County or Subdivision) | Utah (State or Territory)

The elevation of the ~~derrick floor~~ ground above sea level is 5425 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)

Status of old hole: Suspended April 16, 1957
Total Depth: 9638', bottoming 438' in the Navajo sandstone.
Casing: 13 3/8" @ 580' & 9 5/8" @ 7428'
Fish: 335' of 6½" & 5 3/4" DC, jars and 8½" bit from 9273 to 9608'
Plugs: 8800-9008' with 90 sacks
7328-7438' with 40 sacks
surface to 30' with 10 sacks

Program: 1. Clean out old hole to 8950'. Set whipstock to sidetrack fish and straighten old hole which deviated from 3° 20' at 8950' to 12° at 9250'.
2. Drill and spot core to test the following objectives:

Moenkopi (Timpoweap member)	12,400'
Kaibab limestone	12,900'
Coconino sandstone	13,600'
Estimated total depth	14,000'

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

Casing Program: 7" cemented for any horizon considered commercially productive.

Company Standard Oil Company of California

Address c/o W. P. Winham, Div. Supt.
P. O. Box 1076
Salt Lake City, Utah

By W. P. Winham (CMC)

Title Division Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau No. 42-R356.4.
Approval expires 12-31-55.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER Patented
UNIT Sigurd

Noted
CAH
8-6-57

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Sevier Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 19 57,

Agent's address P.O. Box 1076
Salt Lake City 10, Utah
Phone DA2-5831

Company Standard Oil Co. of California
Signed W. P. Winham (Duc)
Agent's title Division Superintendent

SEC. AND ¼ OF ¼	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)
NE SE 32	22S	1W	1							Old Total Depth - 9638'. Resumed operations to deepen on July 26, 1957. Cleaned out old hole and cement plugs from surface to 8910'.

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.

Form 9-329
(January 1950)

16—25766-7 U. S. GOVERNMENT PRINTING OFFICE

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER Patented
UNIT Sigurd

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah *County* Sevier *Field* Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1957,

Agent's address P.O. Box 1076
Salt Lake City 10, Utah

Company Standard Oil Co. of California

Signed W. P. Hinkam/EWC

Phone Davis 2-5831

Agent's title Division Superintendent

Sec. and ¼ of ¼	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)
NE SE NE NE Sec. 32	22S	1W	1							Old Total Depth 9638'. Set permanent whip-stock 7667-7694'. Redrilling in new hole at 7820' at mid-night 8-31-57.

SEP 10 1957

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.

Form 9-329
(January 1950)

16—25766-8 U. S. GOVERNMENT PRINTING OFFICE

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER Patented
UNIT Sigurd

LESSEE'S MONTHLY REPORT OF OPERATIONS

Water Cut 10-7-57

State Utah County Sevier Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 19 57,

Agent's address P.O. Box 1076
Salt Lake City 10, Utah
Phone Davis 2-5831

Company Standard Oil Co. of California
Signed W. P. Wenham (Etc)
Agent's title Division Superintendent

SEC. AND ¼ OF ¼	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)
NE SE 32	22S	1W	1							Old total depth 9638'. Redrilling in new hole from 8800 to 9228'.

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.)

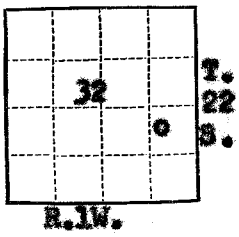
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329
(January 1950)

16—25766-8 U. S. GOVERNMENT PRINTING OFFICE

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. Patented
Unit Sigurd

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)

October 23, 1957

Well No. 1 is located 1705 ft. from {N/S} line and 675 ft. from {E/W} line of sec. 32

NE SE Sec. 32 — (¼ Sec. and Sec. No.)
T.22S. — (Twp.)
R.1W. — (Range)
Salt Lake — (Meridian)
Wildcat — (Field)
Sevier — (County or Subdivision)
Utah — (State or Territory)

The elevation of the derrick floor above sea level is 5506 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)

Verbal approval to abandon well was obtained from Mr. Don Russell, October 23, 1957. Total Depth of redrilled hole: 9516, unable to get below old total depth. Left 921' of fish in hole from 9482 to 8561'. Went in with socket to retrieve fish. Could not get below 7637, pulled out, went in with bit to clean out, went into old hole, hit whipstock in old hole.

Plugging program: 7738 to 7008 with 630 sacks, 13-3/8 at 580, 9-5/8 at 7428, 15 sacks in 9-5/8 at surface.
Erect marker and clean up location.

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 c/o Mr. W. P. Winham, Division Superintendent
P. O. Box 1076
Salt Lake City, Utah

By W P Winham
A R
Title Division Superintendent

GPO 9 18 507

W/

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Salt Lake
LAND OFFICE Patented
LEASE NUMBER Sigurd
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

Noted 11-6 ft

State Utah County Sevier Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 57,

Agent's address P.O. Box 1076 Company Standard Oil Co. of California
Salt Lake City 10, Utah

Phone Davis 2-5831 Signed W. P. Wickham, Jr.
Agent's title Division Superintendent

SEC. AND ¼ OF ¼	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)
NE SE Sec. 32	22S	1W	1							Total Depth of re-drill hole 9516. Left 921' fish in hole from 9482-8561. Hole caved, could not get below 7637. Went in with bit to clean out, went into old hole. Plugs: 630 sacks @ 7637 Loc. top cement at 7008. 15 sacks in 9-5/8" at surface. Well abandoned October 25, 1957.

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.

Form 9-329
(January 1950)

16—25766-8 U. S. GOVERNMENT PRINTING OFFICE

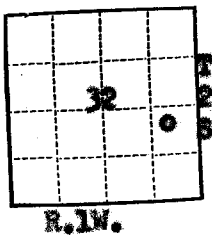
Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake
Lease No. Patented
Unit Sigurd

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



71-14
2-17

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	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)

February 7, 19 58

Well No. 1 is located 1705 ft. from {N/S} line and 675 ft. from {E/W} line of sec. 32

NE SE Sec. 32 (¼ Sec. and Sec. No.) | 22S (Twp.) | 1W (Range) | Salt Lake (Meridian)

Wildcat (Field) | Sevier (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5506 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 was abandoned due to mechanical difficulties on October 25, 1957.
T.D: Original hole, 9638'; Redrilled hole, 9516' - Unit Agreement called for a test of the Kaibab formation or to 7000'.
Log Tops: Arapien - surface
Navajo - 8997'
Shows: None
Casing: 13-3/8" @ 580', 9-5/8" @ 7428'.
Plugging Program: The following cement plugs were placed for abandonment: 630 sacks 7738-7006' and 15 sacks in top of 9-5/8" casing.

Location marker was erected and location was cleaned up.

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 c/o Mr. W. P. Winham
P.O. Box 1076
Salt Lake City 10, Utah

By W. P. Winham WPW

Title Division Superintendent

GPO 9 18 507

W

February 17, 1958

Standard Oil Company of California
Standard Oil Building
San Francisco, California

Gentlemen:

This letter is to advise you that the plugging of Well No. Sigurd Unit 1, which was drilled by you in Section 32, Township 22 South, Range 1 West, SLBM, Sevier County, Utah, has been approved by our petroleum engineer, Mr. C. A. Hauptman.

If and when you desire liability to be terminated under Bond No. 313082, which was issued by the Pacific Indemnity Company to cover the drilling and plugging of this well, please advise this office.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:cn

cc: Std. Oil Co. of Calif.
P. O. Box 1076
Salt Lake City, Utah

STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET • SAN FRANCISCO 20 • CALIFORNIA

February 25, 1958

Drilling Bond - State of Utah
Sigurd Unit Area

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

Attention: Cleon B. Feight, Secretary

Gentlemen:

In response to your letter of February 17, 1958, please terminate liability under Bond No. 313082 issued by Pacific Indemnity Company to cover the drilling and plugging of Sigurd Unit Well #1.

Very truly yours,

W. H. SAVAGE
Manager, Land Division

February 27, 1958

Sigurd Well

Standard Oil Company of California
225 Bush Street
San Francisco 20, California

Attention: W. H. Savage, Manager, Land Division

Gentlemen:

With reference to your letter of February 25, 1958, please be advised that as per your request liability under Bond No. 313082, issued by the Pacific Indemnity Company to cover the drilling and plugging of all wells on fee land in the Sigurd Unit Area, is hereby terminated. Said bond is returned herewith.

Please note, now that the Sigurd Unit has been approved by the U. S. Geological Survey, it will not be necessary for you to file another bond with this commission if you decide to drill on fee land again.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:en

cc: Std. Oil Co. of Calif.
P. O. Box 1076
Salt Lake City, Utah