

# FILE NOTATIONS

Entered in NID File ✓  
Entered On S R Sheet \_\_\_\_\_  
Location Map Pinned ✓  
Card Indexed ✓  
IWR for State or Fee Land \_\_\_\_\_

Checked by Chief RLS  
Copy NID to Field Office \_\_\_\_\_  
Approval Letter ✓  
Disapproval Letter \_\_\_\_\_

## COMPLETION DATA:

Date Well Completed 11-17-61  
OW..... WW..... TA.....  
GW..... OS..... PA L

Location Inspected USGS  
Bond released \_\_\_\_\_  
State of Fee Land \_\_\_\_\_

## LOGS FILED

Driller's Log 2-1-62  
Electric Logs (No. ) 3

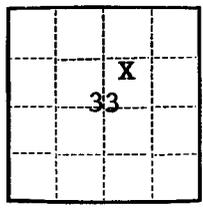
E ✓ E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_  
Lat. ✓ Mi-L \_\_\_\_\_ Sonic ✓ Others Continuous Dipmeter

Copy to HC

*[Handwritten signature]*

Form 9-331a  
(Feb. 1951)

Budget Bureau No. 42-R368.4.  
Approval expires 12-31-60.



(SUBMIT IN TRIPLICATE)

Land Office Utah  
Lease No. Utah 012410  
Unit Horseshoe Canyon

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 17, 1961, ~~1960~~

Horseshoe Canyon Unit  
 Well No. 32-33 is located 1901' ft. from ~~N~~<sup>E</sup> line and 2004' ft. from ~~W~~<sup>E</sup> line of sec. 33  
 SW NE Section 33                      27S                      16E                      SLB&M  
(¼ Sec. and Sec. No.)                      (Twp.)                      (Range)                      (Meridian)  
 Wildcat    Wayne    Utah  
(Field)    (County or Subdivision)    (State or Territory)

The elevation ~~of the derrick floor~~ above sea level is 5719 ft. ground level.

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)

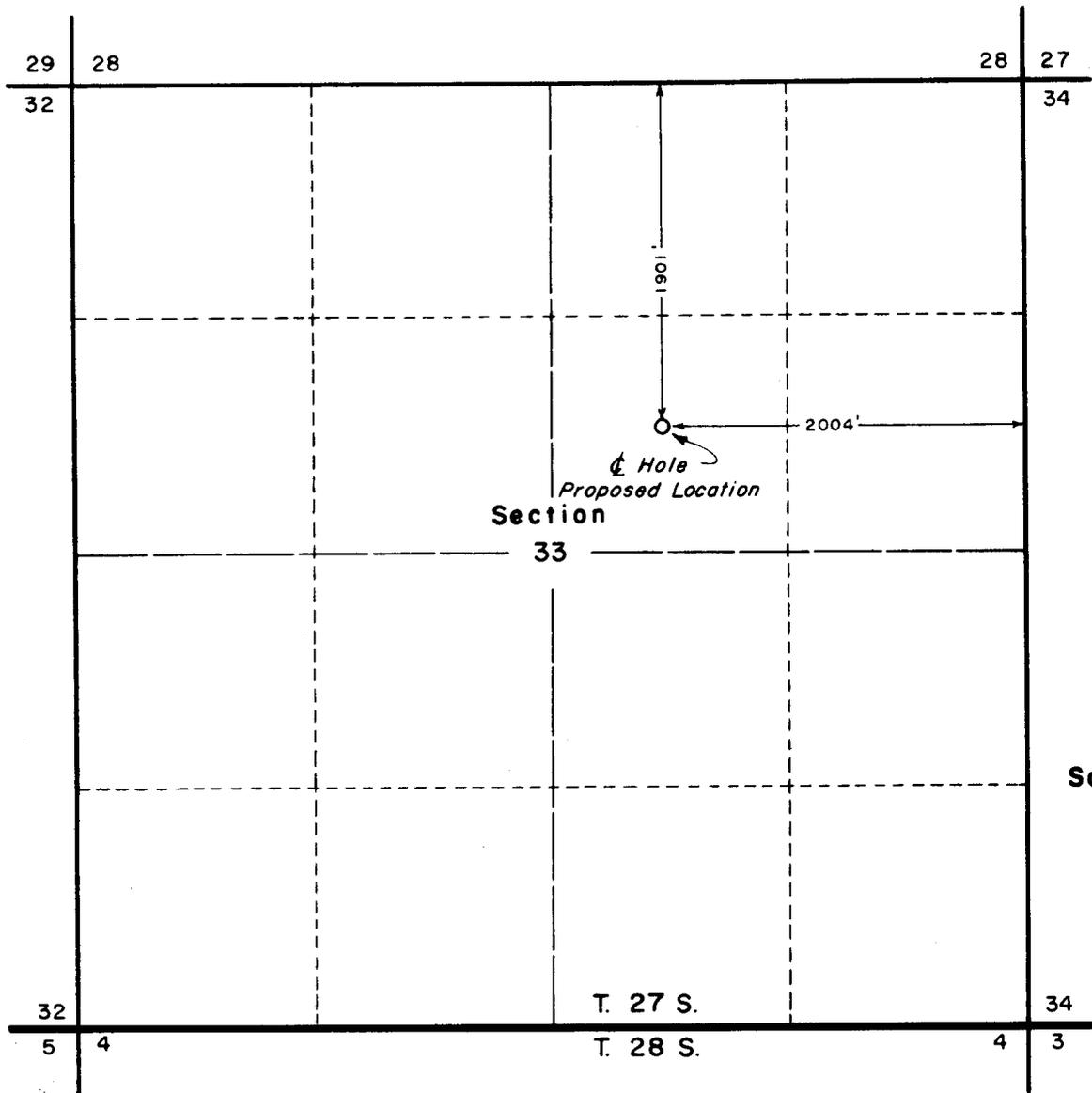
Propose to drill well to test Devonian formation at approximately 5500'.  
 Will set 8-5/8" surface pipe to approximately 1200' with cement circulated to surface.  
 Will set 4½" or 5½" casing through any commercial production encountered.

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

Company The Superior Oil Company  
 Address P. O. Drawer 'G'  
Cortez, Colorado  
 By D. D. Kingman  
 Title Engineer

DDK/njh

# CERTIFICATE OF SURVEY



Scale: 1" = 1000'

## WELL LOCATION: The Superior Oil Company - Horseshoe Canyon Unit # 32-33

Located 1901 feet South of the North line and 2004 feet West of the East line of Section 33,  
 Township 27 South, Range 16 East, Salt Lake Base & Meridian.  
 Wayne Co., Utah  
 Existing ground elevation determined at 5719 feet based on U.S.G.S. datum.

I hereby certify the above plat represents a survey  
 made under my supervision and is accurate to the  
 best of my knowledge and belief.



*Elmer M. Clark*

ELMER M. CLARK  
 Registered Land Surveyor  
 State of Utah (No. 2307)

**E.M. CLARK & ASSOCIATES**  
 Durango, Colorado

July 7, 1961  
 File No. 61048

July 21, 1961

The Superior Oil Company  
P. O. Drawer 'G'  
Cortez, Colorado

Attn: D. D. Kingman, Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Horseshoe Canyon Unit 32-33, which is to be located 1901 feet from the north line and 2004 feet from the east line of Section 33, Township 27 South, Range 16 East, SE1/4, Wayne 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 has not been spudded in within said period.

Under Rule A-3, the approval of this Commission is not necessary when an unexecuted copy of the unit agreement is on file with this office. In such a case, it is only necessary to file copies of all notices of intention and subsequent reports that are filed with the United States Geological Survey.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FLIGHT,  
EXECUTIVE SECRETARY

CBF:ang

cc: Don F. Russell, Dist. Eng.  
U. S. Geological Survey

H. L. Coonts - OGC, Meab

Form 9-381a  
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office Utah  
Lease No. Utah #012410  
Unit \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

		X	
	33		

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)

November 14, 19 61

Horseshoe Canyon Unit  
Well No. #32-33 is located 1901 ft. from N line and 2004 ft. from E line of sec. 33

SW NE Section 33      27S      16E      SLEGM  
(1/4 Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)  
Wildcat      Wayne      Utah  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the ~~top of the casing~~ above sea level is 5722 ft. Kelly Bushing

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)

Propose to plug and abandon well by equalizing the following plugs:

- Plug #1 - 50 sax cmt w/DP hung to T.D. (approx. 6860')
- Plug #2 - 50 sax cmt w/DP hung to 6560'
- Plug #3 - 100 sax cmt w/DP hung to 6100'
- Plug #4 - 50 sax cmt w/DP hung to 3150'
- Plug #5 - 50 sax cmt w/DP hung to 2160'
- Plug #6 - 50 sax cmt w/DP hung to 1225'

Will place a 10 sax plug in top of surface csg. & weld on steel plate.  
Standard dry hole marker will be erected.

Verbal approval by D. F. Russell, Nov. 6, 1961.

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

Company The Superior Oil Company

Address P. O. Drawer 'G'

Cortez, Colorado

By C. R. Waller

Title Engineer

CRW/njh


LOCATE WELL CORRECTLY

RECEIVED  
 BR. OF OIL & GAS OPERATIONS  
 DEC 26 1961  
 UNITED STATES  
 U. S. GEOLOGICAL SURVEY  
 DEPARTMENT OF THE INTERIOR  
 SALT LAKE CITY, UTAH  
 GEOLOGICAL SURVEY

U. S. LAND OFFICE Salt Lake  
 SERIAL NUMBER U-012410  
 LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

**LOG OF OIL OR GAS WELL**

Company The Superior Oil Company Address P. O. Drawer 'G', Cortez, Colorado  
 Lessor or Tract Horseshoe Canyon Unit Field Wildcat State Utah  
 Well No. 32-23 Sec. 33 T. 27S R. 16E Meridian SLB&M County Wayne  
 Location 1901 ft. N. of N. Line and 2004 ft. E. of E. Line of Section 33 Elevation 5722 KB  
(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 W. M. Ramsburg Title Engineer  
 Date December 15, 1961

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

Commenced drilling August 30, 1961 Finished drilling November 15, 1961

**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 5894' to 5994' 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		Purpose
							From—	To—	
<u>13-3/8</u>	<u>48</u>	<u>8</u>	<u>H-60</u>	<u>68'</u>	<u>None</u>	<u>None</u>	<u>---</u>	<u>---</u>	<u>Conductor</u>
<u>8-5/8</u>	<u>24</u>	<u>8</u>	<u>J-55</u>	<u>1216'</u>	<u>None</u>	<u>None</u>	<u>---</u>	<u>---</u>	<u>Surface</u>

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8</u>	<u>68'</u>	<u>75</u>	<u>Pump &amp; Plug</u>	<u>---</u>	<u>---</u>
<u>8-5/8</u>	<u>1216'</u>	<u>450</u>	<u>Pump &amp; Plug</u>	<u>---</u>	<u>---</u>

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

OLD MARK

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

Table with 7 columns: Size, Shell used, Explosive used, Quantity, Date, Depth shot, Depth cleaned out.

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to 6367' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing ~~XXXXXX~~ **Plugged & Abandoned** November 17, 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

Contractor: R. L. Manning, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

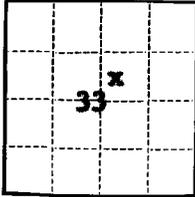
Table with 4 columns: FROM-, TO-, TOTAL FEET, FORMATION. Includes entries for Chinle, Shinarump, Lower Moenkopi, Coconino, Organ Rock, Permian Carbonates, Hermosa, and testing results #1, #2, #3.

(Over)

FORMATION RECORD—Continued

FROM--	TO--	TOTAL FEET	FORMATION
			<p><b>CORES:</b></p> <p>#1 (1854'-1908') rec. 49', 10'-slstn, sdy, poor P &amp; P, heavy brn residue, 39'-slstn, gry to grn w/intbed SS &amp; sh, NS.</p> <p>#2 (5834'-5894') rec 60' - 60' ls, H gry, dense w/scat vugs.</p> <p>#3 (5894'-5937') rec 43', 7' - ls, dense, NS, 29' dolo, PPP, wet 4' - ls, dense, N.S., 3' dolo, dense, poor show.</p> <p>#4 - (5937'-5949') rec. 12', 6' dolo, dense, poor show, 6' dolo, PPP to <del>vug</del> poros, good fluor &amp; cut</p> <p>#5 (5949'-5994') rec. 10' - 10' dolo, lt gry, vfc to vug poros, good fluor &amp; cut</p>

Copy to 4C



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Utah**  
Lease No. **U #012410**  
Unit .....

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.....	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL.....			

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

February 28, 1962

Horseshoe Canyon Unit

Well No. **32-33** is located **1901** ft. from **N** line and **2004** ft. from **E** line of sec. **33**

**SW NE Sec. 33** (1/4 Sec. and Sec. No.)      **27S** (Twp.)      **16E** (Range)      **SLB&M** (Meridian)  
**Wildcat** (Field)      **Wayne** (County or Subdivision)      **Utah** (State or Territory)

The elevation of the ~~ground surface~~ above sea level is **5722** ft. **K.B.**

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.: **6867' Cambrian**

Spudded: **8-30-61**      P & A: **11-17-61**

Dry hole marker has been erected.  
Location has been cleaned & is ready for your inspection.

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

Company **The Superior Oil Company**

Address **P. O. Drawer 'G'**

**Cortez, Colorado**

ORIGINAL SIGNED BY  
By **C. R. Waller**  
Title **Drilling Engineer**