

**FILE NOTATIONS**

Entered in NID File

Entered on S R Sheet

Location Map Pinned

Card Indexed

I.W.R. for State or Fee Land

COMPLETION DATA

Date Well Completed 2/15/60

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

Location Inspected \_\_\_\_\_

Bond released \_\_\_\_\_  
State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 4-18-60

Electric Logs (No. 1) 2

E 1 2P E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N 2P Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

Scout Report sent

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A, or operations suspended 2-15-60

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

4 elec logs  
2 Gamma Ray - Neutron  
2 Induction logs

NOTED at a unit well  
to abandon.

January 7, 1959

General Petroleum Corporation  
53 East Fourth South  
Salt Lake City, Utah

Attention: J. J. Browne,  
Division Superintendent

Gentlemen:

This is to acknowledge receipt of your corrected notice of intention to drill Well No. Lean-to 2, 800 feet from the north line and 1840 feet from the east line of the NE $\frac{1}{4}$  of Sec. 11, Township 33 South, Range 16 East, S1EM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill Well No. Lean-to 2 at the above mentioned location is hereby granted.

The approval granted in our letter of December 24, 1959 is hereby cancelled.

Approval to drill the well terminates within 90 days if the well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CMF:co

cc: P. T. McGrath, Dist. Eng.  
U. S. Geological Survey  
Farmington, New Mexico

	X
11	

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING  
SALT LAKE CITY 14, UTAH

Fee and Patented.....  
State .....  
Lease No. ....  
Public Domain .....  
Lease No. 014578  
Indian .....  
Lease No. ....

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 Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
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 22 19 59

Well No. Lean-to #2 is located 510\* ft. from {N}/{S} line and 510\* ft. from {E}/{W} line of Sec. 11  
NE/4 Sec. 11 33S 16E S.L.B.&M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick floor~~ <sup>ground</sup> above sea level is 6250 \* feet. (Topo)

A drilling and plugging bond has been filed with National Surety Corp., New York, N. Y.

\* Preliminary co-ordinates and elevations.  
**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 work, surface formation, and date anticipate spudding-in.)

It is proposed to drill this exploratory well to test for oil and gas prospects in all formations to and including Mississippian. Estimated total depth is 3725'. Anticipated formation tops are: Cedar Mesa, surface; Ismay, 2400'; Desert Creek, 2650'; and Mississippian, 3520'.

The following casing program is proposed: 9-5/8" casing to be cemented below 300' with sufficient cement to reach the surface. Cementing of casing below the 9-5/8" casing will be contingent upon findings and well conditions. Your office will be notified prior to setting other than 9-5/8" casing.

Survey plats of final location will be mailed as soon as available.

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

Company General Petroleum Corporation

Address 53 East 4th South St.  
Salt Lake City, Utah

By J.J. Browne  
J. J. Browne by J.C.E.  
Title Division Superintendent

INSTRUCTIONS: 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.

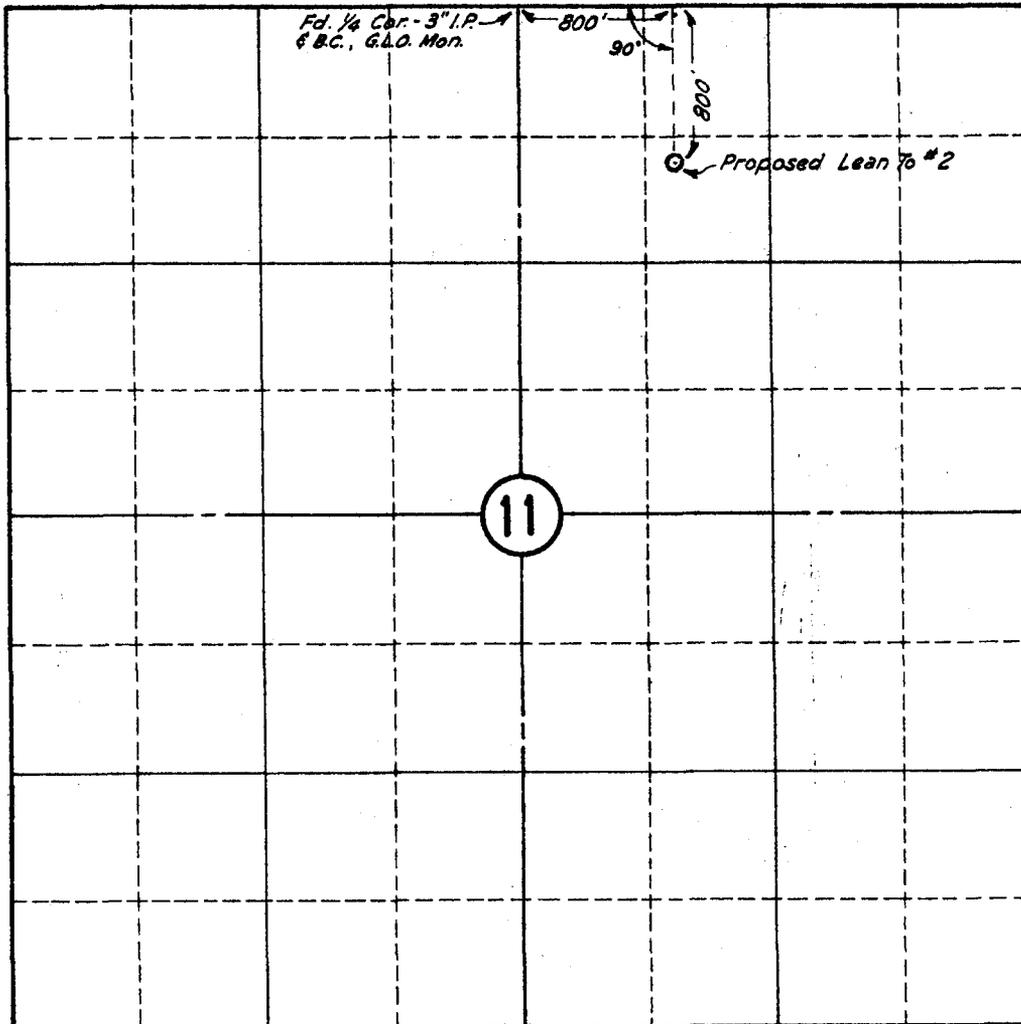
Company General Petroleum Corp.

Lease LEAN-TO AREA Well No. 2

Sec. 11 T. 33 S. R. 16 E.

County San Juan State Utah

Elevation 6212.60 Grd. Datum U.S.G.S. Mon. "SAGE" Scale: 1" = 1000'



This is to certify that the above plat was correctly and truly prepared from field notes of an actual survey made by me or under my supervision.

SEAL

*Raymond L. Johnson*  
 Registered Land Surveyor

Surveyed 12/23 1959  
 State of UTAH

		X
	11	

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. 014573  
Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS **RECEIVED**

NOTICE OF INTENTION TO DRILL.....	X	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	DEC 24 1959
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)

Well No. 2 is located 800/N ft. from 1840/E line and 510 ft. from 11 line of sec. 11  
NE/4 Sec. 11 (1/4 Sec. and Sec. No.) 33E (Twp.) 16E (Range) S.L.S.M. (Meridian) Utah (State or Territory)  
Wildcat (Field) San Juan (County or Subdivision)

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO  
*Assuming Standard Station*

The elevation of the ~~surface~~ Ground above sea level is 5250 ft. (Topo)

\* Preliminary co-ordinates and elevations. **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)

It is proposed to drill this exploratory well to test for oil and gas prospects in all formations to and including Mississippian. Estimated total depth is 3725'. Anticipated formation tops are: Cedar Mesa, surface; Ismay, 2400'; Desert Creek, 2650'; and Mississippian, 3320'.

The following casing program is proposed: 9-5/8" casing to be cemented below 300' with sufficient cement to reach the surface. Cementing of casing below the 9-5/8" casing will be contingent upon findings and well conditions. Your office will be notified prior to setting other than 9-5/8" casing.

Survey plats of final location will be mailed as soon as available.

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

Company General Petroleum Corporation  
 Address 53 East 4th South St.  
Salt Lake City, Utah  
 By J. J. Brown  
 Title Division Superintendent

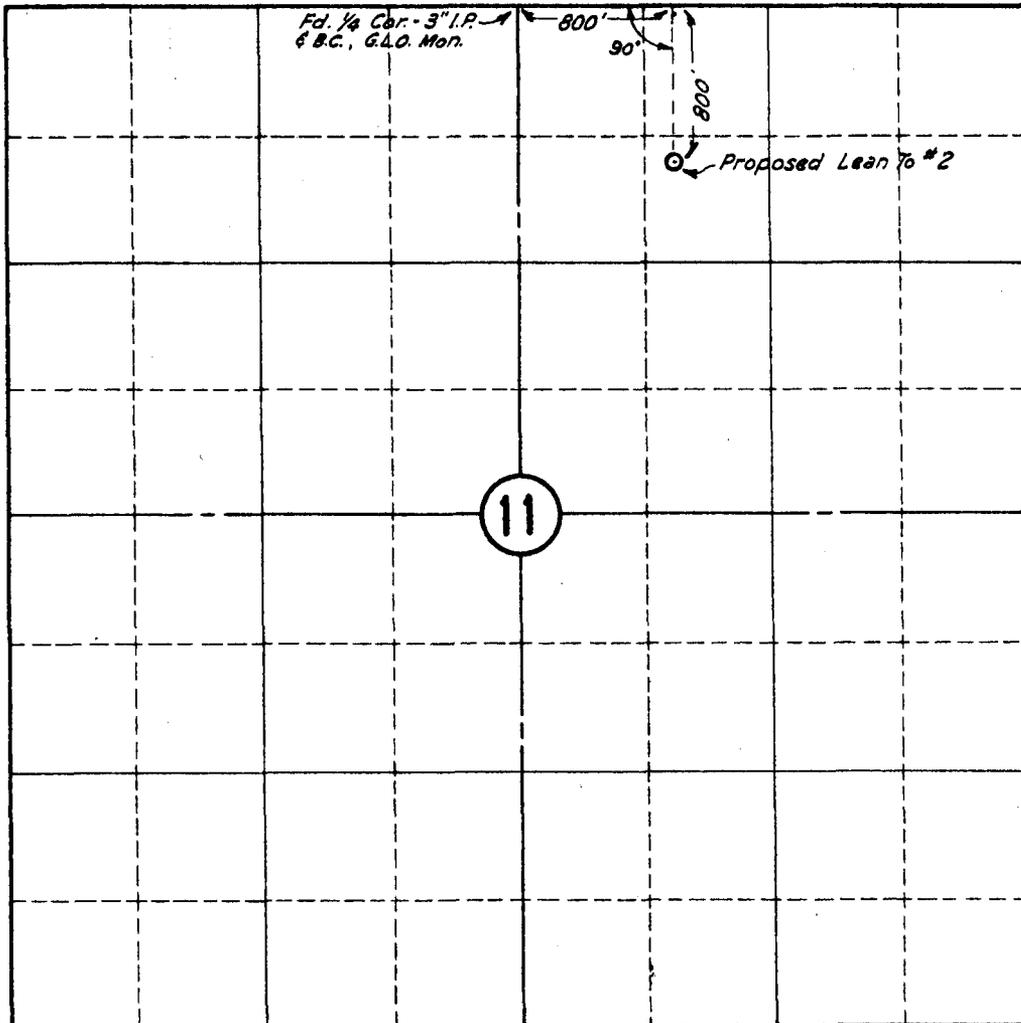
Company General Petroleum Corp.

Lease LEAN-TO AREA Well No. 2

Sec. 11 , T. 33 S. , R. 16 E

County San Juan State Utah

Elevation 6212.60 Grd. Datum U.S.G.S. Mon. "SAGE" Scale: 1" = 1000'



This is to certify that the above plat was correctly and truly prepared from field notes of an actual survey made by me or under my supervision.

SEAL

*Reynold A. [Signature]*  
 Registered Land Surveyor

Surveyed 12/23 19 59

December 24, 1959

General Petroleum Corporation  
53 East Fourth South  
Salt Lake City, Utah

Attention: J. J. Browne,  
Division Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Lean-to Unit 2, which is to be located 510 feet from the north line and 510 feet from the west line of the Northeast Quarter of Section 11, Township 33 South, Range 16 East, S1EM, San Juan 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.

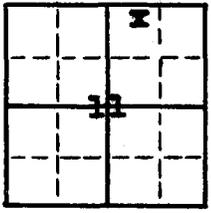
Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CBF:co

cc: P. T. McGrath, Dist. Eng.  
U. S. Geological Survey  
Farmington, New Mexico



**STATE OF UTAH**  
**OIL & GAS CONSERVATION COMMISSION**  
 SALT LAKE CITY, UTAH

Fee and Patented.....  
 State.....  
 Lease No. ....  
 Public Domain.....  
 Lease No. **014578**  
 Indian.....  
 Lease No. ....

### 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 Altering Casing.....	
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....	
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)

January 27, 19 60

Well No. **Lean-To 2** is located **800\*** ft. from **{N}** line and **1840\*** ft. from **{E/W}** line of Sec. **11**

**NE/4 Sec. 11**  
(1/4 Sec. and Sec. No.)

**33 S.**  
(Twp.)

**16 E.**  
(Range)

**S.L.B.&M.**  
(Meridian)

**Wildcat**  
(Field)

**San Juan**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **6250** feet. **(Topo)**

A drilling and plugging bond has been filed with **National Surety Corp., New York, N.Y.**

#### 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 work, surface formation, and date anticipate spudding-in.)

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

### Mobil Oil Company

Company A Division of Socony Mobil Oil Company, Inc.  
 Address **53 E. FOURTH SOUTH STREET**  
**SALT LAKE CITY, UTAH**

By **J. R. Covington** *J. R. Covington*  
 Title **Asst. District Engineer**

INSTRUCTIONS: 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER 014578  
UNIT Lease

14-08-001-5444

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field \_\_\_\_\_

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 19 60

Agent's address 13 S. 4th South St. Company Mobil Oil Company

Salt Lake City, Utah Signed \_\_\_\_\_

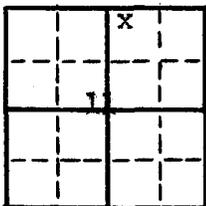
Phone SA 2-3581 Agent's title District Superintendent

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)
<u>NW 1/4 11</u>	<u>33S</u>	<u>18E</u>	<u>2</u>							<u>Spudded 1/20/60. Drilling at 1216'.</u>

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.



STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
SALT LAKE CITY, UTAH

Fee and Patented.....  
State .....  
Lease No. ....  
Public Domain .....  
Lease No. 014578  
Indian .....  
Lease No. ....

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 Altering Casing.....
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....
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 18, 19 60

Well No. Lean-to #2 is located 798.3 ft. from (N) line and 1828 ft. from (E) line of Sec. 11  
NE/4 Sec. 11                      33S                      16E                      S.L.B.&M.  
(¼ Sec. and Sec. No.)                      (Twp.)                      (Range)                      (Meridian)  
Wildcat                      San Juan                      Utah  
(Field)                      (County or Subdivision)                      (State or Territory)

The elevation of the <sup>K.B.</sup> ~~derrick floor~~ above sea level is 6224 \* feet.

A drilling and plugging bond has been filed with National Surety Corp., New York, N. Y.

\* Final coordinates & elevation.

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 work, surface formation, and date anticipate spudding-in.)

- 1-27-60 Drilled 7-7/8" hole 402-3367' with air. No returns 2535-3195', 2% air returns to 3195-3665' (T.D.), of which .5% was gas. Ran induction log 3354-400', gamma-neutron logs 3350' to surface, section gauge 3350-2000'. Sampled hole fluid 2535-2574' - fresh water with slight scum oil.
- 2-12-60 Drilled 7-7/8" hole 3367-3665' (T.D.) with air. Ran induction log 3463-2000'.
- to Made two attempts to test interval 2705-2763' - both were misruns. Preparing to abandoning well.
- 2-14-60

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

Company Mobil Oil Company  
Address 53 E. 4th South St.  
Salt Lake City, Utah  
By J R Covington  
Title Engineer

INSTRUCTIONS: 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.

*Handwritten initials*

STATE OF UTAH

OIL AND GAS CONSERVATION COMMISSION

FORM OGCC-2

AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: - The methods and procedure for plugging a well shall be as follows:

- (a) The bottom of the hole shall be filled to, or a bridge shall be placed at the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.
- (b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
- (c) A plug shall be placed at or near the surface of the ground in each hole.
- (d) The interval between plugs shall be filled with heavy mud laden fluid.
- (e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Wildcat County San Juan  
 Lease Name Lean-to Well No. Lean-to #2 Sec. 11 Twp. 33S  
 Range 16E Date well was plugged: February 15, 19 60  
 Was the well plugged according to regulation of the Commission? Yes

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

Plugged at 3498' - TNL - with 45 sax cement. Calculated top 3345'.  
 Plugged at 2802' - TNL - with 45 sax cement. Calculated top 2654'.  
 Plugged at 1557' - TNL - with 60 sax cement. Calculated top 1375'.  
 Plugged at 420' - Top 348' - with 50 sax cement.  
 Plugged at surface with 10 sax cement. Welded steel plate over 9-5/8" casing, installed conventional marker. 9-5/8" casing cemented at 400' with 170 sax cement.  
 Operator Mobil Oil Company  
 Address 53 E. 4th South St.  
Salt Lake City, Utah

AFFIDAVIT

STATE OF UTAH

COUNTY OF Salt Lake

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

Subscribed and sworn to before me this 19th day of February, 1960.

My Commission expires:

1/21/63

*Handwritten signature of Notary Public*

NOTARY PUBLIC

INSTRUCTIONS: Complete this form in duplicate and mail both copies to the Oil and Gas Conservation Commission, Room 140, State Capitol Building, Salt Lake City, Utah.

*Handwritten mark*

# Socony Mobil Oil Company, Inc.

## WELL COMPLETION REPORT ORIGINAL DRILLING

OPERATOR SOCONY MOBIL OIL COMPANY, INC.  
 WELL NO. LEAN-TO #2  
 FIELD WILDCAT  
 SEC. 11, T. 33S, R. 16E S.L. B & M  
 STATE Utah COUNTY San Juan  
 LOCATION 1828' W. along N. line from N.E.  
corner Section 11, thence 798.3' S. at  
right angles.

LAND OFFICE Salt Lake LEASE NO. 014578  
 ELEVATIONS 6224' (K.B.) 6212.1' (MAT)  
 ENGINEER J. R. Covington  
 GEOLOGIST J. L. Harvey  
 DATE March 22, 1960

SIGNED P. M. Barry  
 TITLE Producing Superintendent

COMMENCED DRILLING January 20, 1960  
 COMPLETED DRILLING February 13, 1960  
 TOTAL DEPTH 3665' PLUGGED DEPTH Surface  
 JUNK None

GEOLOGICAL MARKERS	DEPTH
<u>Cedar Mesa</u>	<u>Surface</u>
<u>Halgaito</u>	<u>1042' E.L.</u>
<u>Hermosa</u>	<u>1450' E.L.</u>
<u>Molas</u>	<u>3386' E.L.</u>

~~ABANDONED~~  
~~IN PRODUCTION~~ 2/16/60 FLOWING/GAS LIFT/PUMPING  
 (CROSS OUT UNNECESSARY WORDS)

### PRODUCTION DATA

PRODUCTION, CLEAN OIL	GRAVITY CLEAN OIL	TOTAL CUT	BEAN SIZE	TUBING PRESSURE	CASING PRESSURE	GAS MCF PER DAY
INITIAL	B/D	NEVER PRODUCED				
AFTER ___ DAYS	B/D					

### CASING RECORD (PRESENT HOLE)

SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECONDHAND	SEAMLESS OR LAPWELD	GRADE OF CASING	SIZE OF HOLE DRILLED	NO. OF SACKS OF CEM.	DEPTH OF CEM. IF THRU PERFS.
<u>9-5/8"</u>	<u>400'</u>	<u>16'</u>	<u>32.3#</u>	<u>New</u>	<u>Sm ls.</u>	<u>H-40</u>	<u>12-1/4"</u>	<u>170</u>	

### PERFORATIONS

SIZE OF CASING	FROM	TO	SIZE OF PERFS.	NO. OF ROWS	DISTANCE BET. CENTERS	METHOD OF PERFS.

ELECTRIC LOG DEPTHS 400'/3463'

DRILLED BY Aspen Drilling Company

# Socony Mobil Oil Company, Inc.

## HISTORY OF OIL OR GAS WELL

OPERATOR SOCONY MOBIL OIL COMPANY, INC. FIELD WILDCAT

WELL NO. LEAN-TO #2 Sec. 11 T. 33S R. 16E S.L. B&M

Signed P. M. Barry

DATE March 22, 1960 Title Producing Superintendent

Date

1960

This well was drilled by Aspen Drilling Company, contractor, using rotary drilling equipment.

All measurements in this report refer to the top of the kelly bushing, 12' above the ground.

DRILLING AN EXPLORATORY WELL TO THE MISSISSIPPIAN FORMATION

DRILLING TO 402'

1/20  
to  
1/24

Rotary drilling equipment was moved in and rigged up. 7-7/8" hole was spudded January 20, 1960, and drilled to 402'. After drilling to 396', the drill pipe stuck with bottom at 381' while running a slope survey. 15 barrels of diesel oil was spotted outside the drill pipe and the pipe was worked for 16 hours without freeing. A Homco free point locator was run and the free point was found at 104'. A string shot was run and the drill pipe backed off at 84'. 7-5/8" washover pipe was used to wash over and recover the fish in three stages before all of the fish was recovered. Additional back off points were 242' and 300'. The 7-7/8" hole was opened to 12-1/4" from the surface to 400'.

CEMENTING 9-5/8" CASING AT 400'

1/25

402.15' of new 9-5/8" O.D., 32.3#, H-40, S.T.& C., 8-round thread casing with a Baker guide shoe on bottom was run and cemented at 400' with 170 sax of Ideal cement. The 116#/cu.ft. slurry was mixed in 5 minutes and displaced in 4 minutes with 214.8 cu.ft. of water. One top and one bottom rubber plugs were used and bumped. Good cement returns were noted at the surface. Completed cementing at 8:45 a.m. by Halliburton cementers.

1/26

The 9-5/8" casing was landed on a Shaffer base plate and cut off 16' below the kelly bushing. Blowout prevention equipment was installed. The 9-5/8" casing was pressure tested with 500 psig for 30 minutes without loss of pressure. After standing cemented for 24 hours the top of the cement plug was found at 355'. Plugs, cement and casing shoe were drilled with air and the hole cleaned out to 402'.

DRILLING FROM 402' TO 3367'

1/27  
to  
2/12

7-7/8" hole was drilled from 402' to 3367' using air as a circulating medium. 6 barrels of water treated with 1/2 gallon of Afrox and 1-1/2# of Cypan was injected with the air every hour while drilling. A water entry of approximately 6 barrels per hour was encountered at 1065' and continued to 2535'. Complete circulation was lost at 2535' and the hole was drilled from 2535' to 3195' without returns. Below 3195' only 2% of the 1800 Mcf/D injected air returned to the surface. A gas reading of 0.1% to 0.5% of the air returns was noted from 3195' to total depth. Below 3195' gas concentration in the hole would accumulate to 15% to 20% during a trip so that the blow line could be flared for 15 to 30

# Socony Mobil Oil Company, Inc.

## HISTORY OF OIL OR GAS WELL

OPERATOR SOCONY MOBIL OIL COMPANY, INC. FIELD WILDCAT  
WELL NO. LEAN-TO #2 Sec. 11 T. 33S R. 16E S.L. B&M  
Signed P. M. Barry  
DATE March 22, 1960 Title Producing Superintendent

Date

1960

minutes after air injection was resumed.

2/12

A Schlumberger induction log was run 3354' to 400' and a gamma ray-neutron log was run from 3350' to the surface. A section gauge was run 3350' to 2000'. The zone of lost circulation was found to be 2531' to 2538' with the fluid level in the hole at 2533'.

SAMPLING FLUID FROM 2533' TO 2574'

The drilling string with inverted float valve was run in to 2574'. 70' of fresh water (17.5 g.c.g.) with very slight oil scum was recovered (1/2 bbl.).

DRILLING 3367' TO 3665', TOTAL DEPTH

2/14

7-7/8" hole was drilled from 3367' to 3665'. A Schlumberger induction log was run from 3463' to 2000'. Several tries were made to spud the logging sonde below 3463' without success.

ATTEMPTING TO TEST THE INTERVAL 2705' TO 2763'

A Johnston straddle formation tester with packers at 2699', 2705', 2763' and 2769' was run twice. Both times the tool leaked and no test was obtained. On the second run, 140' of slightly muddy fresh water with no indication of oil was recovered (1 bbl.). The hydrostatic pressure was 90 psig.

ABANDONING

2/15

Plug #1: With open end 4-1/2" drill pipe hanging at 3498', 45 sax of Ideal construction cement was pumped in and displaced to equilibrium. The top of the cement was calculated to be at 3345' using 8" for hole size.

Plug #2: With open end 4-1/2" drill pipe hanging at 2802', 45 sax of cement was pumped as above. The calculated top of the cement was 2654' using caliper log for hole size.

Plug #3: With open end 4-1/2" drill pipe hanging at 1557', 60 sax of cement was displaced as before. The calculated top, using 8-1/2" hole size, was 1375'.

Plug #4: With open end 4-1/2" drill pipe hanging at 420', 30 sax of cement was displaced as before. After five hours the top of the plug was found at 398'.

Plug #5: With open end 4-1/2" drill pipe hanging at 397', 20 sax of cement was displaced. After 5 hours, the top of the plug was found at 348'.

# Socony Mobil Oil Company, Inc.

## HISTORY OF OIL OR GAS WELL

OPERATOR SOCONY MOBIL OIL COMPANY, INC. FIELD WILDCAT  
 WELL NO. LEAN-TO #2 Sec. 11 T. 33S R. 16E S.L. B&M  
 Signed P. M. Barry  
 DATE March 22, 1960 Title Producing Superintendent

Date  
1960

The landing base was cut off and the surface plugged with 10 sax of cement. A 1/4" steel plate was welded over the top of the 9-5/8" casing and the abandonment marker placed. The well was abandoned February 15, 1960.

### CONDITION OF WELL AS ABANDONED

#### CASING RECORD:

9-5/8" casing cemented at 400' with 170 sax.

TOTAL DEPTH: 3665'

JUNK: None

PLUGS: 3498'/Top not located, with 45 sax  
 2802'/Top not located, with 45 sax  
 1557'/Top not located, with 60 sax  
 420'/348', with 50 sax  
 10'/Surface, with 10 sax.

#### HOLE SIZE SUMMARY:

12-1/4" Surface to 400'  
 7-7/8" 400' to 3665'

Compiled by J. R. Covington

COMPANY SOCONY MOBIL OIL CO., INC. LEASE LEAN-TO

WELL NO. 2

ELEVATION 6224' K.B. LOCATION: 1828' W. along N. line from N.E. corner Sec. 11,  
T.33 S., R.16 E.; thence 798.3' S. at right angles.

SPUDED January 20, 1960

~~COMPLETED~~ ABANDONED February 16, 1960

TOP	BOTTOM	REC'Y	FORMATION	%
0	20		Sandstone, white-tan-brown, fine to medium grains, calcareous cement, sub-rounded, frosted quartz grains, excellent porosity and permeability.	100
20	30		Sandstone, as above, becoming mostly medium grains.	100
30	40		No sample.	
40	50		Sandstone, as above, fine to medium grains.	100
50	60		Sandstone, as above. Siltstone, red brown, micaceous, calcareous, hard.	95 5
60	100		Sandstone, white-tan, as above. Siltstone, red-brown at 90-100	100 Tr.
100	120		Sandstone, as above. Siltstone, red-brown, calcareous, hard.	70 30
120	150		Sandstone, light tan, mostly fine grain, minor medium grain, frosted, sub-round, calcareous, well sorted, good porosity and permeability. Siltstone, as above. Dolomite, light tan, medium crystalline, hard, poor inter-crystalline porosity, sandy (from pebble conglomerate seen in outcrop SW of well).	90 10 Tr.+
150	170		Sandstone, as above, some yellow green, fine grain. Siltstone, as above.	80 20
170	180		Sandstone, as above, 2° calcite veins. Siltstone, as above.	90 10
180	200		Sandstone, light tan, as above. Dolomite, tan, crystalline, as above.	100 Tr.
200	220		Sandstone, tan, as above, mostly fine grain. Siltstone, red-brown, as above.	95 5
220	370		Sandstone, as above. Occasional trace dolomite as above.	100
370	390		No sample.	
390	420		Sandstone, white-tan, fine to medium grain, calcareous, poorly cemented, some loose, sub-round, frosted grains, excellent porosity and permeability.	100

COMPANY SOCONY MOBIL OIL CO., INC. LEASE LEAN-TO

WELL NO. 2

ELEVATION 6224' K.B. LOCATION: 1828' W. along N. line from N.E. corner Sec. 11,  
T.33 S., R.16 E.; thence 798.3' S. and right angles.

SPUDED January 20, 1960

COMPLETED ABANDONED February 16, 1960

TOP	BOTTOM	REC'Y	FORMATION	%
420	440		Sandstone, white, light gray, fine to very fine grain, silty, calcareous, loose, occasional floating large quartz grains.	100
440	450		Sandstone, white-tan, fine to medium, clean, calcareous, etc., as above.	100
450	470		Sandstone, white-gray, very fine, silty, as above.	100
470	490		Sandstone, white-gray, fine to medium grain, clean, mostly fine grain.	100
490	580		Sandstone, white, tan, medium grain, occasional fine grain, very clean, well sorted, occasional orange quartz grains, becomes slightly finer grain at 510'.	100
580	700		Sandstone, white-tan, fine to medium grain, as above, numerous orange quartz grains.	100
700	710		Sandstone, as above, sample is mostly cement fragments.	100
710	730		Sandstone (?), gray, very fine, sandy, calcareous (possibly cement dust).	100
730	740		Sandstone, white, orange, tan, fine grain, occasional medium grain, as above.	100
740	750		Sandstone, light gray, as above.	100
750	790		Sandstone, white-tan, as above.	100
790	930		Lost circulation, no samples.	
930	950		Sandstone, white, fine grain, calcareous, well sorted, sub-angular, frosted, calcareous.	100
950	960		Sandstone, white, as above, very fine to fine grain.	100
960	980		Sandstone, white, as above, fine to medium grain.	100
980	1040		Sandstone, white, as above, mostly fine to very fine grain, slightly coarser at 1010'/1130', then fine grain again.	100
			<u>HALGAITO - 1040'</u>	
1040	1070		Sandstone, as above, fine grain. Siltstone, red-brown, calcareous, micaceous, hard.	50 50

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T.33 S., R.16 E.; thence 798.3' S. at right angles.

SPUDED January 20, 1960

~~COMPLETED~~ ABANDONED February 16, 1960

TOP	BOTTOM	REC'Y	FORMATION	
1070	1100		Sandstone, red-reddish brown, fine to medium grain, silty, calcareous, frosted, sub-rounded grains, poor porosity and permeability, many rose-pink quartz grains.	70
			Siltstone, red-brown, as above.	30
1100	1120		Sandstone, red-brown, tan, very fine, fine and medium grain, very silty, hard, calcareous, no porosity.	40
			Siltstone, red-brown, very fine to medium sandy, calcareous, hard, tight.	60
1120	1130		Sandstone, as above, mostly fine grain.	90
			Siltstone, as above.	10
1130	1140		Sandstone, as above, cleaner.	100
1140	1200		Sandstone, as above, poor porosity and permeability.	60
			Siltstone, as above.	40
1200	1210		Sandstone, orange-red, as above.	80
			Siltstone, as above.	20
1210	1240		Sandstone, orange-red, as above, minor white, very calcareous, medium grain, poor porosity.	70
			Siltstone, as above, very sandy.	30
1240	1260		Sandstone, orange, mostly fine grain, calcareous, as above, silty.	90
			Siltstone, red-brown, as above, very sandy.	10
1260	1280		Sandstone, orange, very fine to fine grain, silty, calcareous, very poor porosity.	100
			Siltstone, red-brown, as above.	Tr.+
1280	1300		Sandstone, white-tan, very fine to fine grain, as above, poor porosity.	100
1300	1350		Sandstone, white, tan, orange, red, mostly fine to medium grain, slightly silty, better sorted, oil in spots - not natural (1300-1320').	100
1350	1380		Sandstone, white, tan, orange, very fine to fine grain, as above, more silty.	100
1380	1400		Sandstone, as above, slightly darker to 1390' then light color again.	80
			Siltstone, red-brown, micaceous, calcareous, sandy.	20

COMPANY SOCONY MOBIL OIL CO., INC. LEASE LEAN-TO

WELL NO. 2

ELEVATION 6224' K.B. LOCATION: 1828' W. along N. line from N.E. corner Sec. 11,  
T.33 S., R.16 E.; thence 798.3' S. at right angles.

SPUDED January 20, 1960

~~COMPLETED~~ ABANDONED February 16, 1960

TOP	BOTTOM	REC'Y	FORMATION	%
1400	1410		Sandstone, white-red, as above. Siltstone, red, as above. Limestone, white to light gray, dense, very fine, crystalline, hard, silty, no porosity.	60 20 20
1410	1430		Sandstone, orange-red, fine to medium, silty, as above, very calcareous. Siltstone, red, as above, very calcareous.	50 50
1430	1440		Sandstone, orange-red, as above. Siltstone, red-brown, as above. Limestone, white-gray, fine crystalline (sample showed mostly powder so texture unknown).	40 30 30
1440	1450		Limestone, white to light gray, dense to fine crystalline, some chalky, silty, no porosity, permeability, cut or fluorescence. Sandstone, white to tan, fine to medium gray, silty, calcareous. Siltstone, red-brown, hard, calcareous, sandy.	60 20 20
1450	1460		Limestone, as above (samples very fine). Sandstone, white to light red, very fine to fine, as above.	80 20
1460	1490		Limestone, as above, no stain, cut or fluorescence. Sandstone and siltstone, white to light red, silt to very fine sandstone, poor sorting, poor porosity and permeability, micaceous.	30 70
1490	1500		Limestone, white to gray. Dolomite, gray to tan, trave anhydrite, white, soft. Sandstone, white to orange, as above.	20 30 50
1500	1510		Limestone, as above. Dolomite, as above. Sandstone, as above.	15 25 60
1510	1520		Limestone, as above. Dolomite, as above. Sandstone, as above.	25 30 45
1520	1530		Limestone. Sandstone.	40 60
1530	1560		Limestone, as above. Sandstone, white to brown, very silty, mostly fine to very fine grain (spotty oil shows, rig lub.?).	20 80

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COMPANY SOCONY MOBIL OIL CO., INC. LEASE LEAN-TO

WELL NO. 2

ELEVATION 6224' K.B. LOCATION: 1828' W. along N. line from N.E. corner Sec. 11,  
T.33 S., R.16 E.; thence 798.3' S. at right angles.

SPUDED January 20, 1960

~~COMPLETED~~ ABANDONED February 16, 1960

TOP	BOTTOM	REC'Y	FORMATION	%
1560	1580		Limestone, as above, slightly dolomitic. Sandstone, as above, no fluorescence or oil stain.	30 70
1580	1610		Limestone, as above. Sandstone, silty, as above.	50 50
1610	1640		Limestone, as above. Sandstone, as above, many orange-red quartz grains, trace anhydrite, white, soft, 1630'/1640.	70 30
1640	1660		Limestone, gray-buff, dense, very fine crystalline, hard, poor, no porosity and permeability. Sandstone, orange-red, very fine to medium grain, silty, very calcareous, tight.	30 70
1660	1670		Limestone, light gray, light purple, dark gray, light greenish-gray, very fine, crystalline, massive, no fossils, hard, brittle, no visible porosity, no fluorescence, stain, some orange and red chert in limestone. Sandstone, as above.	80 20
1670	1690		Limestone, as above, cherty. Sandstone, as above.	50 50
1690	1740		Limestone, as above. Sandstone, as above, very silty, much mica. (Samples very fine powder)	30 70
1740	1750		Limestone, tan, (powder), slightly dolomitic, no fluorescence. Sandstone, orange-tan, very fine, very silty, micaceous.	60 40
1750	1780		Limestone, as above. Sandstone, as above.	80 20
1780	1830		Limestone, as above. Sandstone, as above.	70 30
1830	1840		Limestone, light gray, silty, light greenish-gray, dense to very fine grain, minor white chalky, no visible porosity, no fluorescence. Sandstone, orange-red, very silty, fine to very fine grain, micaceous.	70 30
1840	1850		Limestone, as above, very good sample.	100
1850	1880		Limestone, as above, trace oolitic limestone, white to light gray, trace cherty. Sandstone, tan-brown-red, very fine, silty.	80 20

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WELL NO. 2

ELEVATION 6224' K.B. LOCATION: 1828' W. along N. line from N.E. corner Sec. 11,  
T.33 S., R.16 E.; thence 798.3' S. at right angles.

SPUDED January 20, 1960

~~COMPLETED~~ ABANDONED February 16, 1960

TOP	BOTTOM	REC'Y	FORMATION	%
1880	1900		Limestone, as above. Dolomite, gray-brown, dense, hard, tight. Sandstone, as above.	70 10 20
1900	1930		Limestone, light gray, dense, hard, no visible porosity. Dolomite ?, sample too fine. Sandstone and siltstone, orange, red, brown, micaceous, very fine, occasional fine grain, calcareous, poor sorting (probably cavings).	80 10 10
1930	1950		Limestone, as above. Dolomite ?. Sandstone and siltstone, as above.	90 Tr. 10
1950	1960		Limestone, medium gray, very fine crystalline, hard, slightly silty, no visible porosity, minor light gray-white, dense to very fine crystalline, hard and tight. Chert, yellow-brown-orange, dense, very hard, brittle.	90 10
1960	1980		Limestone, as above. Chert, as above. Sandstone and siltstone, as above.	85 5 10
1980	1990		Limestone, as above ?, sample very fine dust, no chips. Sandstone and siltstone, as above.	60 40
1990	2010		Limestone, medium gray, as above, some dark gray, very cherty, no porosity. Chert, orange and clear, white, banded. Sandstone and siltstone, as above.	75 15 10
2010	2020		Limestone, as above, none cherty. Chert, orange, as above.	90 10
2020	2030		Limestone, medium gray, dense, as above, no fluorescence, porosity, trace bioclastic. Dolomite, medium brown, very fine, sucrosic, hard, poor porosity.	90 10
2030	2050		Limestone, as above, all dense.	100
2050	2090		Limestone, as above ? (samples too fine). Sandstone and siltstone, as above.	80 20
2090	2130		Limestone, as above. Sandstone, orange, very fine grain, as above. Dolomite ?. Chert, orange.	85 5 10 Tr.

COMPANY SOCONY MOBIL OIL CO., INC. LEASE LEAN-TO

WELL NO. 2

ELEVATION 6224' K.B. LOCATION: 1828' W. along N. line from N.E. corner Sec. 11, T.33 S., R.16 E.; thence 798.3' S. at right angles.

SPUDED January 20, 1960

COMPLETER ABANDONED February 16, 1960

TOP	BOTTOM	REC'Y	FORMATION	%
2130	2140		Limestone, light to medium gray, dense to very fine crystalline, no fluorescence (powder sample). Sandstone, white-tan, very fine, occasional medium grain, silty. Chert, orange, gray, very hard, dense.	60 40 Tr.
2140	2170		Limestone, as above. Sandstone, as above.	80 20
2170	2180		Limestone, as above (sample too fine). Chert, orange, as above. Anhydrite, white, soft. Sandstone, as above.	70 5 Tr. 25
2180	2200		Limestone, white, light gray, dense to very fine crystalline, hard, tight. Sandstone, as above. Chert, as above.	90 10 Tr.
2200	2210		Limestone, as above. ) Sandstone, as above. ) dull brown weak fluorescence. Chert, as above. )	70 30 Tr.
2210	2220		Limestone, light gray, as above. ) dull Dolomite, green-brown, dense, hard, tight. ) brown weak Sandstone, as above. ) fluorescence	90 5 5
2220	2260		Limestone, as above. Sandstone, as above.	85 15
2260	2300		Limestone, as above. Dolomite, as above. Sandstone, as above.	80 10 10
2300	2310		Limestone, as above. Sandstone, as above.	70 30
2310	2320		Limestone, as above. Siltstone, tan, shaly, calcareous.	70 30
2320	2330		No sample.	
2330	2340		Limestone, medium to dark gray, dense, very fine crystalline, no visible porosity, trace chert, orange. Dolomite, tan, dense, no visible porosity. Sandstone, white, gray, very fine to fine grain, silty and shaly. Shale, dark green-gray, slightly dolomitic, hard.	60 10 5 25



COMPANY SOCONY MOBIL OIL CO., INC. LEASE LEAN-TO

WELL NO. 2

ELEVATION 6224' K.B. LOCATION: 1828' W. along N. line from N.E. corner Sec. 11,  
T.33 S., R.16 E.; thence 798.3' S. at right angles.

SPUDDED January 20, 1960

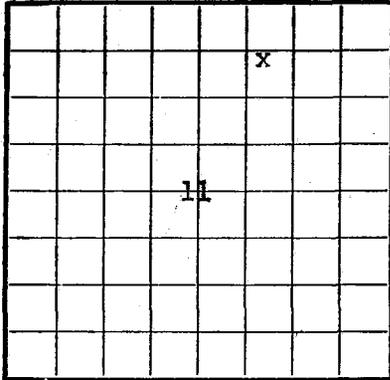
~~COMPLETED~~ ABANDONED February 16, 1960

TOP	BOTTOM	REC'Y	FORMATION	%
2540	2550		Limestone, as above. ) Dolomite, as above. ) very weak cut fluorescence Sandstone, as above. )	85 5 10
2550	2600		No samples, lost circulation.	
2600	2610		Poor sample - one spurt of mud from 7" line. Limestone and dolomite, extremely fine brown powder, no fluorescence.	100
2610	3665		No samples.	

TOTAL DEPTH: 3665'

STATE OF UTAH  
**OIL & GAS CONSERVATION COMMISSION**

Salt Lake City, Utah



LOCATE WELL CORRECTLY

To be kept Confidential until \_\_\_\_\_  
 (Not to exceed 4 months after filing date)

**LOG OF OIL OR GAS WELL**

Operating Company Socony Mobil Oil Co., Inc. Address P. O. Box 3371, Durango, Colorado  
 Lease or Tract: Lean-To Unit Field Wildcat State Utah  
 Well No. 2 Sec. 11 T. 33S R. 16E Meridian SLB&M County San Juan  
 Location 798 ft. N. of N Line and 1828 ft. E. of E Line of Sec. 11 Elevation 6224 K.B.  
(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 P. M. Barry P. M. Barry  
 Date April 12, 1960 Title Dist. Prod. Supt.

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

Commenced drilling January 20, 1960 Finished drilling February 13, 1960

**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		Purpose
							From-	To-	
9-5/8"	32.3#	8Rd.	LoneStar	400'	guide				

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	400'	170	pump		214 cu ft water

**PLUGS AND ADAPTERS**

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

**SHOOTING RECORD**

--	--	--	--	--	--

FOLD MARK

awh

12

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 Surface \_\_\_\_\_ feet to <sup>3665</sup> \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

Date P & A \_\_\_\_\_ February 15 \_\_\_\_\_, 19<sup>60</sup> Put to producing \_\_\_\_\_, 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**

G. Johnson \_\_\_\_\_, Driller C. Risbon \_\_\_\_\_, Driller  
 E. Hickey \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
			At the end of complete Driller's Log add Geologic Tops. State whether from Electric Logs or samples.
			Two copies of complete well history accompany this form. History includes formation tops, sample descriptions, and complete journal of drilling and plugging operations.

[OVER]