

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079150
LEASE OR PERMIT TO PROSPECT _____
Buff Red. "B" #1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Socony Mobil Oil Co., Inc. Address Box 2406, Hobbs, New Mexico
Lessor or Tract Duff Federal "B" Field Und. Picture Cliff State New Mexico
Well No. 1 Sec. 19 T. 23N R. 1W Meridian N.M.P.M. County Sandoval
Location 990 ft. {N.} of N Line and ft. {E.} of W Line of Sec. 19 Elevation 7305
(Derick 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 _____ *Young, J.*

Date October 12, 1963

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

Commenced drilling 2-5, 1959 Finished drilling 2-11, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2946 to 3007 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 _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	155	110	Pump & plug		
4 1/2	3065	100	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 300 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----9-28-----, 1919----- 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 -----1110----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. -----113-----

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>FORMATION</u>		<u>TOPS</u>	
Ojo Alamo		2754'	
Kirtland Fruitland		2328'	
Pictured Cliffs		2986'	
Lewis Shale		3015'	
<u>PERFORATIONS</u>			
BJ Perf 4 1/2"	Csg 2986-2995' + 2998-3007'	4 1/2 jet shots per ft.	

$$1 - \frac{1}{2} = \frac{1}{2}$$
354

16-43094-2

U. S. GOVERNMENT PRINTING OFFICE

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

COMPLETION OPERATION

Dowell sand water frac perf w/54000 gals water + 15,000# 10-20 mesh snad, break down 1800-1600#, TR 3500-1700#, 25,000 gals wtr + 12,000# sand + 10 balls, 2000#-3800#, Released balls + 8000 gals wtr + 3000# sand, 4/10#/gal 1700#-3000#, water only 2100# + 20 gals, G-20 w/flush + last part frac Av. Inf. 21.5 BPM, 1:00 p.m., 9-14-59. 5 min SI 300#, 2 hrs. CP 210#, Flo back 150 BLW 1 hr.

SUMMARY

7-18-59	Location staked
9-5-59	Commenced drilling operations (spud date).
9-8-59	Set 8 5/8" csg.
9-9-59	Core #1
9-10-59	Core #2 & 3
9-11-59	Total Depth reached
9-11-59	Schlumberger ran induction - Electrical & Sonic - Gamma Ray
9-12-59	Ran 4 1/2" csg. & release rig
9-14-59	BJ Service ran correlation log & perf 4 1/2" csg. & Dowell sand water frac perf. Ran 1 1/2" tbg.
9-21-59	Shut in for potential test.
9-28-59	Potential Test completed.