

Sec. 16

INDIAN LANDS

U. S. LAND OFFICE Consolidated Ute

SERIAL NUMBER #14-20-604-83

LEASE OR PERMIT TO PROSPECT Ute Mountain

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Socony Mobil Oil Company, Inc. Address Box 2406, Hobbs, New Mexico
Lessor or Tract Ute Mountain Field Verde Gallup State New Mexico
Well No. 3 Sec. 16 T. 31N R. 14W Meridian N.M.P.M. County San Juan
Location 660 ft. N. of S. Line and 660 ft. E. of W. Line of Sec. 16 Elevation 5757
(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

Date October 26, 1959Title District Superintendent

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

Commenced drilling 4-28, 1959 Finished drilling 8-17, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2508 to 2630 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. 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—	
8-5/8	28	8	8-5/8	28	8-5/8	2508	2508	2616	2616
5-1/2	18	8	5-1/2	18	5-1/2	2616	2616	2630	2630
4-1/2	10.75	10-11	4-1/2	10.75	4-1/2	2630	2630	2630	2630

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	140'	85	Pump & plug		
5-1/2	2505'	280	Pump & plug		
4-1/2	2616	None			

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
(See completion operations below)						

TOOLS USED

Rotary tools were used from 0 feet to 2616 feet, and from _____ feet to _____ feet
Cable tools were used from 2616 feet to 2630 feet, and from _____ feet to _____ feet

DATES

_____ 19____ Put to producing 10-18, 1959
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

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
POTENTIAL TEST:			
NMOC pot. test commenced 5 pm 10-18-59. Pumped 29 BO 24 hrs, Gas TSTM. GOR TSTM, Gr. 40.6° @ 60". 12-40" BPM, 1/10 1% BSW. Allow. 29 BOPD.			
FORMATION SUMMARY:			
Formation	Top		
Menefee	212		
Point Lookout	883		
Mancos	1252		
Gallup	2291		
PERFORATING RECORD:			
Ran 5 jts. 4-1/2" liner perforated with 3/8" holes. Open hole 2616-2630.			
COMPLETION OPERATIONS:			
5-11-59: NMOC sand oil frac w/45000# 10-20 mesh sand + 55000 gals lease crude, no break down press., pump in 1000#, est. 32 BPM, Max. tr. CP 1100#, Min. tr. 1000#, Av inj. 62 BPM, 5 min. S.I. 0#.			
(Continued on Page 2)			

FORMATION RECORD—Continued

LOG OF OIL OR GAS WELL (Continued)Lease or Permit to Prospect Ute MountainCOMPLETION OPERATIONS (Continued):

5-23-59: HOWCO pumped 151 bbls. lease crude down tbg, TP 2000-2100#, into formation @ 10 BPM inj. rate, csg. & tbg. on vac. when pump stopped.

8-18-59: HOWCO sand oil frac perf & open hole w/75000 gals lease crude + 67,200# 10-20 mesh sand, break down 800#, max. tr. 2100#, min. tr. 1025#, av. inj. 51.5, 5 min. S.I. 50#. Used 150 rubber balls, pumped 35,000 gals. + 34,000# sand + 50 balls, 1025#-1150#, + 20,000 gals + 16,000# sand + 50 balls, 1150#-1300#, + 10,000 gals + 8000# sand + 50 balls, 1300#-2100#, flo back 67 ELO 2 hrs.

SUMMARY OF OPERATIONS:

2- 2-59 Location staked.
 4-28-59 Commenced drlg. operations (Spud Date).
 4-29-59 Ran 8-5/8" csg.
 5- 5-59 Lost 100% returns @ 2095'. Restored w/mud + lost circ. matl., hulls & aspen fibers.
 5- 6-59 Welox ran Electric Log.
 5- 7-59 Ran 5-1/2" csg. Lost returns while displacing cem. w/wtr.
 5- 7-59 B&R Service, Inc., ran temperature survey.
 5- 9-59 Empire ran Acoustic - Gamma Ray Log.
 5- 9-59 Ran 4-1/2" perf. liner.
 5-10-59 Rig Released.
 5-11-59 HOWCO sand oil frac perf.
 5-19-59 Owens ran Sonalog.
 5-23-59 HOWCO pumped 151 bbls. lse. crude down tbg.
 6-12-59 The Western Co. ran Radioactivity Log.
 8-10-59 Moved in S. S. Beams to drill deeper.
 8-11-59 Spotted 1600 gals Dowell Gelox 820 @ 2490.
 8-17-59 Completed drill deeper from 2616 to 2630 TD.
 8-18-59 HOWCO s/o frac perf & open hole.
 8-20-59 Ran 2" tbg., rods & pump.
 8-20-59 Released Unit.
 10-19-59 Potential Test completed.