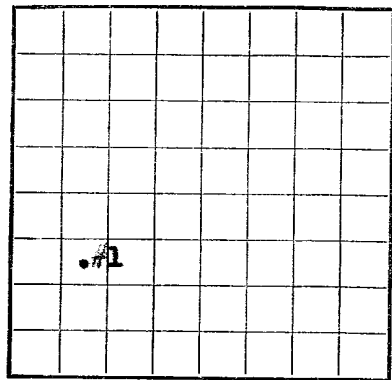
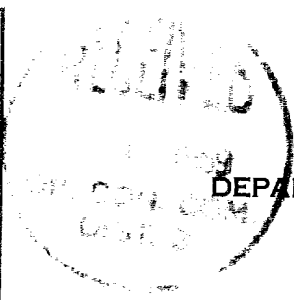


U. S. LAND OFFICE Santa Fe, N. M.
SERIAL NUMBER SF 080098
LEASE OR PERMIT TO PROSPECT _____

Form 9-530 **Sec. 18**



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Company Address Box 2406, Hobbs, New Mexico
Lessor or Tract Evans-Federal Field Undesignated State New Mexico
Well No. 1 Sec. 18 T. 23N R. 1W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. N of S Line and 990 ft. E of W Line of Sec. 18 Elevation 7345 A.S.L.
(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 [Signature]

Date June 26, 1959 Title District Superintendent

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

Commenced drilling May 22, 1959 Finished drilling May 29, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2997 to 3023 G 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—	
<u>8-5/8</u>	<u>29#</u>	<u>8VT</u>	<u>L.P.</u>	<u>295'</u>					<u>Surface casg.</u>
<u>4-1/2</u>	<u>9.5#</u>	<u>8VT</u>	<u>J-55</u>	<u>3065'</u>			<u>2997</u>	<u>3023</u>	<u>Oil string</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>306</u>	<u>150</u>	<u>Plug & Pump</u>		
<u>4-1/2</u>	<u>307 1/4</u>	<u>150</u>	<u>Plug & Pump</u>		

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
	<u>See below</u>					

TOOLS USED

Rotary tools were used from _____ feet to 0 feet, and from 307 1/4 feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ 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. 1093 MCF, CAOF None

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<u>FORMATION TOPS</u>
<u>Ojo Alamo</u>	<u>2768'</u>		
<u>Kirtland Fruitland</u>	<u>287 1/4'</u>		
<u>Pictured Cliffs</u>	<u>2997'</u>		
<u>Lewis Shale</u>	<u>3028'</u>		

PRODUCTION TESTS AND POTENTIAL TEST DATA

Completed as single gas well in the Undesignated Pictured Cliffs formations, perforations 2997-3006', 3010-13', 3019-23' w/32 jet shots, 2 SPF. June 24, 1959, H.M.C.U.C. potential test 168 hrs. SI, TP & CP 870#. Flow thru casing 3 hrs., 3/4" choke, 1080 MCF 24 hr. CAOF 1093 MCF.

ACIDIZING OR OTHER COMPLETION OPERATIONS

Howco sand-water frac perf (2997'-3023') w/24,000# 10-20 mesh sand + 42,000 gals. wtr. Break down 2650# - treat 2000#-1500# - average injection 46 BPM.

(Continued)

FOLD | MARK

SUMMARY

4-4-59	Location
4-18-59	Clear & level location
5-22-59	Move in rotary
5-22-59	Spud 9:30 a.m. Install 8-5/8" csg.
5-26-59	Repair rig - stuck drill pipe @ 2270
5-27-59	Worked D.P. loose & restored circ. w/900#.
5-29-59	Reached TD 5:30 a.m. - 3074'
	Rig blew down 2:30 p.m. Move rig off hole.
6-3-59	Rig up pulling unit to c/o hole.
6-5-59	Schlumberger ran E.S. Ind, GR & Sonic logs to 3078'.
6-6-59	Set 4 1/2" csg.
6-8-59	Ran correlation and collar logs to 3045. Perf 4 1/2" csg. 2997-3023'. Sand-water frac w/24,000# 10-20 mesh sand + 42,000 gals wtr.
6-10-59	Kicked off 7 p.m.
6-16-59	3:00 p.m. shut in for potential.
6-24-59	Run 3 hr. N.M.O.C.C. potential test.