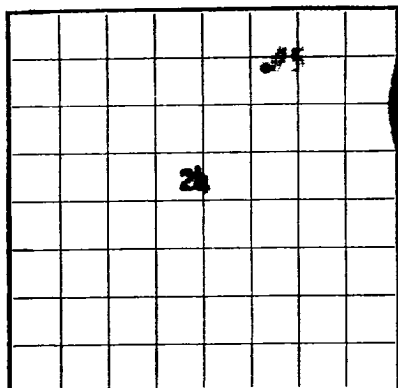


U. S. LAND OFFICE **Navajo Tribal**
SERIAL NUMBER **Contr. 14-20-603-2022**
LEASE OR PERMIT TO PROSPECT **Tract 140**

LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

MAY 14 1959

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Co. Address Box 2406, Hobbs, New Mexico
Lessor or Tract Navajo "A" (Tract 140) Field Horseshoe Gallup State New Mexico
Well No. 5 Sec. 24 T. 31N R. 17W Meridian NMPM County San Juan
Location 897.3 ft. S. of N. Line and 1891 ft. W. of E. Line of Sec. 24 Elevation 5699 GL
(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 5-8-59Title District Superintendent

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

Commenced drilling April 14, 19 59 Finished drilling April 16, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1324 to 37 No. 4, from _____ to _____
No. 2, from 1432 to 43 No. 5, from _____ to _____
No. 3, from 1448 to 53 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	29	8	DN	101			1324	1453	Surface Csg.
5-1/2	24	8	DN	100			1453	1505	Oil Casing
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	101'	90 sacks	Log & Pump		
5-1/2	1505'	100 sacks	Plug & Pump		

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
Dowell sand oil frac perf w/14,000 gals. lss. crude + 25,000 10-20 mesh sand - break down 2700' - treat 3500' - 1100' av. inj. rate 3.4 BPM w/26 rubber balls - 5 min. 51 vac - after 25,000 sand, dropped 26 balls 1100'-3500' balled off.						

TOOLS USED

Rotary tools were used from _____ feet to 1505 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing April 15, 19 59

The production for the first 24 hours was 118.23 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and .2% sediment. Gravity, °Bé. 40.5 - 60

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
PERFORATIONS			
1324	1337	w/26 bullets	
1432	1443	w/22 bullets	
1448	1453	w/10 bullets	
FORMATION TOPS			
1237'	Lower Gallup		
1324	1st Gallup Sand		
1432	2nd Gallup Sand		
1463	Sanctus		
SUMMARY			
4-14-59	Spud date - 8 p.m.		
4-14-59	Set 8-5/8" csg. - 115'		
4-16-59	Schlumberger ran induction & sonic log to 1486'. Completed hole - 2 p.m.		
4-17-59	Set 5-1/2" csg. - 1505'. Rig released - 8 p.m.		
4-18-59	McCullough ran radiation log & perf 5-1/2" csg. Dowell sand oil frac.		
4-19-59	Move in J. P. (Bum) Gibbins pulling unit.		
4-21-59	Ran 2" tbg., pump & rods.		
4-26-59	Put on M.F.C.C.C. potential test.		
4-27-59	Completed M.F.C.C.C. potential test.		

