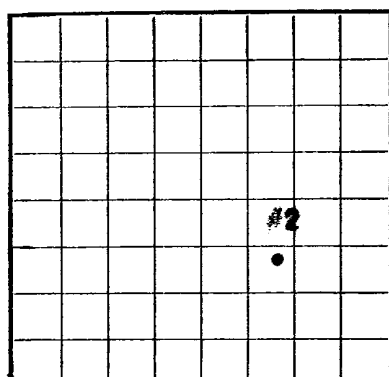




LOCATE WELL CORRECTLY

Budget Bureau No. 12-R355.4
Approval expires 12-31-60.
 Window Rock, Ariz.
 U. S. LAND OFFICE
 Contract #1120-603-1138
 SERIAL NUMBER
 LEASE OR PERMIT TO PROSPECT
 Deed-So-Sa

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

 Company Magnolia Petroleum Company Address P.O. Box 2106, Hobbs, New Mexico
 Lessor or Tract Deed-So-Sa Field Bisti State New Mexico
 Well No. 2 Sec. 2h T 25N R. 1W Meridian N.M.P.M. County San Juan
 Location 1985.8 ft. [N.] of [S.] Line and 1972.5 ft. [E.] of [W.] of E. Line of Sec. 2h Elevation 6510
 (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 July 7, 1958 Title District Superintendent

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

Commenced drilling May 4, 1958 Finished drilling May 14, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

 No. 1, from 5104 to 5117 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"	29#	8 PT	Hard	304					Surface
5-1/2"	14#	8 PT	Hard	517			5104	5117	Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	314	160 sks.	Pump + Plug		
5-1/2"	5180	150 sks.	Pump + Plug		

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 _____ feet to 5180 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

 _____, 1958 Put to producing _____, 1958
 The production for the first 24 hours was 40 barrels of fluid of which 35 % was oil; _____ %
 emulsion; 5 % water; and 0 % sediment. Gravity, °Bé. 39 at 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
Miracle Fifer Drilling Co.
 _____, Driller
200 Silver States Savings Bldg.
 _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
1405	1533	128	Pictured Cliffs
1533	1810	277	Lewis
1810	3874	2064	Mesa Verde
3874	4080	206	Point Lookout
4080	4910	830	Maneas
4910	5075	165	Gallup
5075	5180	105	Lower Gallup

PERFORATIONS

Perforations: 5104-5117.

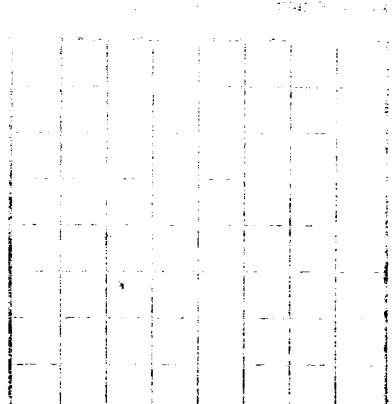
POTENTIAL TEST

7-4-58 Potential test pumped 38 bbls. oil + 2 BW in 24 hrs. G.P. - 367 to 1, grty. 39 at 60°. Allowable 38 BOPD, field allowable 96.

SUMMARY

5-4-58	Spudded.
5-4-58	Set 304' of 8-5/8" csg. at 314' w/160 sks. - circ. - 400.
5-5-58	Tested 8-5/8" csg. with 1000# for 30 minutes, held G.P.
5-14-58	Schlumberger ran induction, electrical & micro-lat. logs.
5-15-58	Set 5177' of 5 1/2" csg. at 5180' w/150 sks. - did not circ. Temp. survey top of cement 4450°.
5-17-58	Tested 5 1/2" csg. with 1500# for 30 minutes - held G.P.

 5-17-58 PGAC ran GRNL. Perforated 5 1/2" csg. 5104-5117 with 65 Super Mighty Mouse shots.
 5-17-58 Released rotary rig 12 p.m. 5-27-58.
 5-20-58 Moved in swabbing unit - swab 74 BLO 5 hrs. - little gas behind swab - 2200' fluid in hole. Shut in 11 hrs.
 5-21-58 Swabbed 26 BLO in 5 hrs. - 400' fluid in hole - lack 20 BLO.
 5-22-58 Attempted to break down formation with 3500# - no break.
 5-23-58 Spotted 500 gals. mud acid over perms. 5104-17 - press. 2100/-4000%. Sand oil frac. perforations 5104-17 with 5000 gals. crude oil + 2500# sand - 2200/-2100/-2100# - average injection rate 21 BPM in 5 min. - SI - 600# - SI - 4 hrs. - 150# - Opened flow & swab 80 BLO - 3 hrs., 4700' FTH - no gas.
 5-24-58 Swabbed 20 hrs. - rec. 193 BLO - swab 128 BLO in 11 hrs.
 5-25-58 Swabbed 9 hrs. - 65 BLO - Lack 125 BLO to recover.
 5-26-58 Swabbed 8 hrs. - 45 BLO - CP - 115-190#, TP - 20#, 80 BLO to recover.
 5-27-58 Sand oil frac. perforations 5104-17, with 15,000 gals. oil + 15000# 20-40 mesh sand - 2100/-2100/-2000# - average injection rate 23 BPM - 5 min. at 2200# - 600# - 8 hrs. 450# 20 hrs. 300# 717 BLO to rec. Com-



LOCATE WELL CORRECTLY

[illegible]

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 balling.

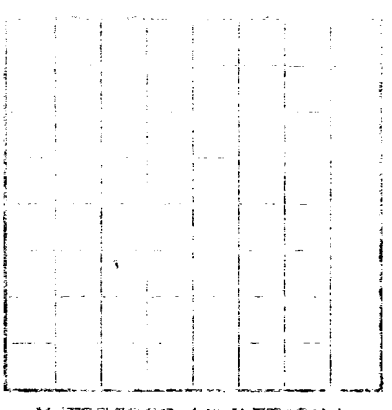
HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

RECEIVED - CONTINUED

INFORMATION RECORD - Continued



LOCATE WELL CORRECTLY

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

MEAN: 0.107

FORMATION RECORD-Continued

[illegible]