Form 9-330

Section 14

LOCATE WELL CORRECTLY

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Jicarilla Tribal
SERIAL NUMBER Cont. 99 Tr. 190
LEASE OR PERMIT TO PROSPECT Jicarilla "D"

RECEIVED DEC 26 1956 OIL CON. COM. DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Company Address P.O. Box 633
Lessor or Tract Jicarilla "D" Field Blanco State New Mexico
Well No. 2 Sec. 14 T. 26N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. {N./S.} of N Line and 990 ft. {E./W.} of E Line of Section 14 Elevation 7185 (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 R.T. GERMAN
Title Division Superintendent

Date December 18, 1956

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

Commenced drilling October 28, 1956 Finished drilling November 10, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3672' to 3736' (G) No. 4, from ——— to ———
No. 2, from 5412' to 5945' (G) 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 From—	Perforated To—	Purpose
10-3/4	32.75	8 RT	H 40	302					
7-5/8	26.40	8 RT	H 40	4010					
7-5/8	26.40	8 RT	J 55	4010					
5½	17.00	8 RT	J 55	2185			5412	5945	Open Form.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	302	200	Circ.		
7-5/8	4010	125	Circ.	1.0804	121 BBL
5½	6025	150	Pmp & 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 0 feet to 6025+ feet, and from ——— feet to ——— feet
Cable tools were used from ——— feet to ——— feet, and from ——— feet to ——— feet

DATES

Well placed on Pot. & then shut in., 19——
Put to producing Shut in waiting on sale of Gas 19——

The production for the first 24 hours was 0 barrels of fluid of which 0 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, °Bé. .56

If gas well, cu. ft. per 24 hours Mesa Verde 1058 4 MCF Pic.Cliff.9019.0MCF Pic. Cliff. 10364 Mesa Verde 6900 MCF

Gallons gasoline per 1,000 cu. ft. of gas No Test

Rock pressure, lbs. per sq. in.

King Drilling Co., Driller
2508 Mossman Drive, Driller
Farmington, New Mexico

———, Driller
———, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3272	3473	165	Ojo Alamo
3473	3657	220	Kirtland Fruitland
3657	3737	80	Pictured Cliff
3737	5410	1673	Lewis
5410	5463	53	Cliff House
5463	5770	307	Menafee
5770	5947	177	Point Lookout
5947	6025	78	Mancus

SUMMARY

10-28-56 Spudded.
10-29-56 Set 10-3/4" Csg on btm w/200 sx. Circ.
11-6 -56 Set 7-5/8" Csg on btm w/125 sx. Circ.
11-12-56 Set 5½" liner on btm w/125 sx.
11-13-56 Perf. 5½" liner w/2½" holes @ 5420'. set cem ret. @ 5379 & Recem.5½" liner w/50 sx.
11-14-56 Set Ret. @ 3721' Cemented over top of 5½" liner @ 3860' w/150 sx.
11-15-56 Drilled out plug & cement. in 5½" liner to 5985' PBTD.
11-16-56 Ran elec. logs.
11-19-56 Perf. 5½" liner 5412-18', 5427-378, 5442-45', 5453-61', 5549-56', 5571-78', 5642-47', 5776-80', 5795-96', 5803-18', 5824-28', 5825-66', 5878-82', 5894-5900', 5907-18', 5933-45', 6 shots per ft. Sand-water frac all perf. w/130,000 gals. Fl. 550 BLW 3 hrs. thru open 2". Died

[OVER]

FORMATION RECORD—Continued

Perf. 7-5/8" Csg. 3672-78', 3685-3703', 3708-20', & 3726-36', in pictured Cliffs 6 shots per ft. Set Bridge Plug @ 3880'. Sand-water-frac perf. 50,000 gals. Pulled Bridge Plug.
11-20-56 Ran Dual tbg strings. Released rig 12 midnight 11-19-56.
11-21-56 Moved off Rotary Rig.
11-22-56 Moved in Swabbing unit.
11-26-56 From 4 sets Pictured Cliffs perf. swbd & fl. 700 BLW in 24 hrs. Gas at rate of 5100 MCF per day. from 16 sets Mesa Verde Perf. swbd & fl. 450 BLW in 13 hrs. Gas at rate of 6900 MCF per day. Lack 770 BLW from Pictured Cliffs & 2794' BLW from Mesa Verde Zones. From 16 sets of Mesa Verde perf. After 130,000 gals. waterfrac, fl. 75 BLW in 25 hrs. open 2" gas vol. 7100 MCF PD. Shut in for gas Pot. Lack 2719 BLW from 4 sets Pictured Cliffs perf. after 50,000 gasl. Waterfrac, fl. 60 BLW in 24 hrs. Open 2" gas vol. 4025 MCF Per day. Shut in for Gas Pot.
11-27-56 Shut in for Gas Potential.
12-4 -56 From 4 sets Pictured cliffs perf. after 7 days Shut in, TP 1036#. CP 1037#. On gas Pot. fl. 3 hrs thru 3/4" ch Gas at end of 3 hrs. 4734 MCF per day. Calculated open fl. 9019 MCF per day. TP 392# CP 755#. From 16 sets Mesa Verde perf. after 7 days SI TP 1708#. fl 3 hrs. thru 3/4" ch. at end of 3 hrs. Gas vol. 6864 MCF per day. Calculate open fl. 10,584 MCF per day. Completed 11-18-56.