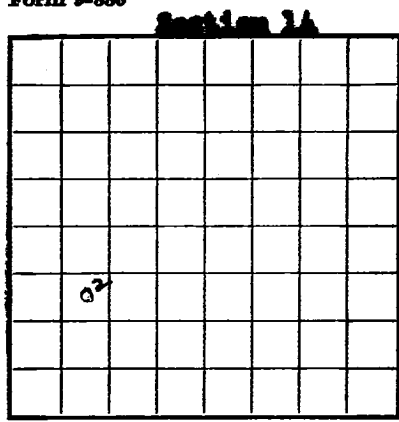




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Alamogordo Tribal
SERIAL NUMBER Cont. #99, Tr. 178
LEASE OR PERMIT TO PROSPECT Alamogordo #1UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Company Address P. O. Box 600, Midland, Texas
Lessor or Tract Alamogordo #1 Field Alamogordo (Nat) State New Mexico
Well No. 2 Sec. 14 T. 27N R. 3W Meridian N.M.P.M. County El Paso
Location 1630 ft. ^[N]_[S] of 1/4 Line and 930 ft. ^[E]_[W] of 1/4 Line of Section 14 Elevation 7390 (Nat)
(Derrick base 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]
T. C. CANNON, District Superintendent

Date October 23, 1956

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

Commenced drilling September 7, 1956 Finished drilling September 21, 1956OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3412' to 3900' G No. 4, from _____ to _____
No. 2, from 5423' to 6126' G No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____
* Gas behind pipe.

IMPORTANT WATER SANDS

No. 1, from None 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>295</u>	<u>8VT</u>	<u>LM</u>	<u>324'</u>					
<u>5-1/2"</u>	<u>100</u>	<u>8VT</u>	<u>LM</u>	<u>100'</u>					
<u>5-1/2"</u>	<u>100</u>	<u>8VT</u>	<u>LM</u>	<u>100'</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>324'</u>	<u>180</u>	<u>Circulated</u>		
<u>5-1/2"</u>	<u>6211'</u>	<u>180</u>	<u>Pump & Plug</u>	<u>1.0724</u>	<u>179.21 bbls.</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

TOOLS USED

Rotary tools were used from _____ feet to 6211' (TD) feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Well was placed on Potential Shut-in - wait on
Test and then Shut-in, 19____ Put to producing sale of gas, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 65

If gas well cu. ft. per 24 hours 10390 MCFD Gallons gasoline per 1,000 cu. ft. of gas No testRock pressure, lbs. per sq. in. TP 482# CP 1124#

EMPLOYEES

Paul F. Rutledge, Driller
P. O. Box 2837, Driller
Santa Fe, New Mexico, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>3337'</u>	<u>3539'</u>	<u>202'</u>	<u>OJO Alamo</u>
<u>3539'</u>	<u>3777'</u>	<u>238'</u>	<u>Kirkland Fruitland</u>
<u>3777'</u>	<u>3900'</u>	<u>123'</u>	<u>Pictured Cliffs</u>
<u>3900'</u>	<u>5421'</u>	<u>1521'</u>	<u>Lordsburg</u>
<u>5421'</u>	<u>5671'</u>	<u>250'</u>	<u>Cliff House</u>
<u>5671'</u>	<u>5945'</u>	<u>274'</u>	<u>Hemlock</u>
<u>5945'</u>	<u>6211'</u>	<u>266' (TD)</u>	<u>Point Lookout</u>

SUMMARY OF OPERATIONS

9-7-56 Spudded
9-10-56 After setting 324' of 8-5/8" Surface Casing on bottom at 324' with 180 sx. cement, circulated, tested with 500# for 30 min before and after drilling plugs, tested OK, no break.
9-20-56 Down 2 1/2 hrs, 100% lost circulation, Sand & Shale @ 5925'.
9-24-56 Down 20 hrs regaining 100% circulation @ 6211'. Ran logs, WOC 5 1/2" casing on bottom (6211' TD), cemented with 100 sx., did not circulate. Temperature Survey top cement @ 5490'.
9-26-56 Washed out to 6166' Plug Back Total Depth.
9-27-56 Perforated 5 1/2" casing 6051-6061', 6069-6089', 6095-6104' & 6117-6126' with 6 shots per ft. Sand-water-free perf. with 25,374 gal., sanding up. CP 1800-3300#. 30 min. SIP 0#.
Perforated 5 1/2" casing 5910-5930', 5943-5964' & 5996-6009' with 6 shots per ft. Set Bridge Plug @ 6020'. Sand-water-free perf. with 50,000 gals. CP 1600-1800#. 30 min. SIP 0#.
Pulled Bridge Plug.
9-29-56 Perf. 5 1/2" casing 5423-5429', 5442-5448', 5458-5467', 5474-5480', 5708-5715' & 5728-5738', with 6 shots per ft. Set Bridge Plug @ 5748'. Sand-water-free perf. w/50,000 gals. CP 1600-1800#. 30 min. SIP 300#. Flow 400 bbls lead water in 2 1/2 hrs open 2" & died. Pulled Bridge Plug, ran tubing.
10-1-56 From 13 sets Mesa Verde Perforations, after 125,000 gals Sand-water-free, swab & flow 930 bbls lead water in 38 hrs open 2" tubing, last hr, flow 20 bbls lead water.
10-2-56 From 13 sets Mesa Verde Perf., after 125,000 gals Sand-water-free, flow 55 bbls lead water, spray of oil, in 8 hrs thru open 2" tubing, gas at rate of 2953 MCF per day.
10-9-56 From 13 sets Mesa Verde Perf., after 7 days shut-in, TP 1723#. CP 1723#. On Gas Potential, flow 3 hrs on 3/4" choke, gas vol. at end of 3 hrs 6000 MCF per day on 3/4" ch. Calculated Open Flow, 10390 MCF per day. TP 482#. CP 1124#.