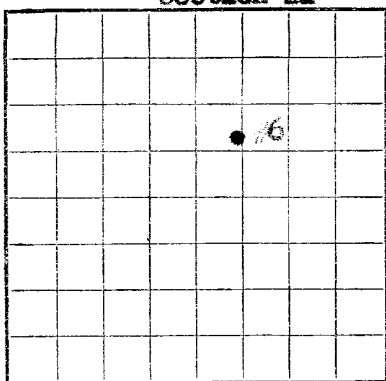


Section 21



LOCATE WELL CORRECTLY

INDIAN LANDIndian Agency Consolidated etc
U.S. LAND OFFICE
SERIAL NUMBER 14-20-604-13
LEASE OR PERMIT TO PROSPECTUNITED 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 Ute Mountain Field Verde Gallup State New Mexico
Well No. 6 Sec. 21 T. 31N R. 14W Meridian NMPH County San Juan
Location 1980 ft. N. of N. Line and 1980 ft. E. of E. Line of Sec. 21 Elevation 2463
(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 September 16, 1959 Title District Superintendent

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

Commenced drilling 8-14-59, 19 Finished drilling 8-28-59, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from See Formation to Summary below 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>29.1</u>	<u>8 1/2</u>	<u>API</u>	<u>102'</u>					<u>surface string</u>
<u>5 1/2</u>	<u>14.7</u>	<u>8 1/2</u>	<u>API</u>	<u>268'</u>					<u>Int. string</u>
<u>4 1/2</u>	<u>9.57</u>	<u>8 1/2</u>	<u>API</u>	<u>293'</u>	<u>(Tops 2537')</u>		<u>2732</u>	<u>2828</u>	<u>Liner</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>102</u>	<u>100 sks</u>	<u>Plug & pump</u>		
<u>5 1/2</u>	<u>268 1/2</u>	<u>300 sks</u>	<u>Plug & pump</u>		
<u>4 1/2</u>	<u>2830</u>	<u>12 sks</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>completion</u>						
<u>See operations below</u>						

TOOLS USED

Rotary tools were used from 0 feet to 2737 feet, and from _____ feet to _____ feet
Cable tools were used from 2737 feet to 2830 feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing 9-5-59, 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. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>POTENTIAL TEST DATA</u>			
NMOOC potential test pumped 189 B/O, 24 hrs, 13-40" SPN 27# on 1/8" plate 17.28 MCF gas, GOR 159/1, gr 42.2° B 60° 2/10 of 1# BSW. Allowable 94 OPRD. Test commenced 9-5-59, completed 9-6-59.			
<u>FORMATION SUMMARY</u>			
<u>Formation</u>	<u>Tops</u>		
<u>Hemefee</u>	<u>101</u>		<u>by Schlumberger</u>
<u>Point Lookout</u>	<u>1103</u>		
<u>Mancos</u>	<u>1458</u>		
<u>Gallup</u>	<u>2465</u>		
<u>Lower Gallup</u>	<u>2687</u>		
<u>COMPLETION OPERATIONS</u>			
8-28-59 Howco oil-frac/30000 gals lse crude, breakdown 1100# max tr 30.0%, min tr. 1000# + 80 rubber balls. 5 min SI vac 11:30 a.m. 8-28-59. 200 B/O + 20 balls - line leak - rep. 10 min. 1500# = 46 BPM 200 B/O + 20 balls 1500-2000# + 200 B/O + 20 balls 2000-3000-1900# + 200 B/O + 20 balls 1400-1450/- pump 200 B/O. Average injection 42 BPM - swab csg. 418 BLO, 14 hrs - 2130' 1000' FIR, fair show gas.			

(OVER)

16-43004-4

SUMMARY OF OPERATIONS

7- 6-59 Location staked
8-14-59 Spudded
8-14-59 Set 8 5/8" csg
8-19-59 Lost 150 bbls. fluid (wtr) 50% returns @ 2120' - restored w/hulls.
8-20-59 Set 5 1/2" csg - Schlumberger ran L.S. logs
8-23-59 Move in J. P. (Bum) Gibbins cable tools - R&R ran temperature survey
8-25-59 Schlumberger ran Sonic & GR logs
8-26-59 Ran 4 1/2" liner
8-28-59 Welox ran correlation logs & perf 4 1/2" liner
8-28-59 Howco oil frac w/30000 gals lse crude
8-30-59 Ran rods & tubing
9- 5-59 Commence NMOCC potential test
9- 6-59 Completed NMOCC potential test.