

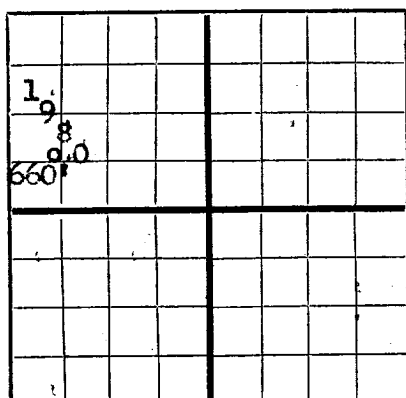
DUPLICATE

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JUN 14 1948
HOARS OFFICE

FORM C-105

N

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Magnolia Petroleum Company
Company or Operator
Brunson Argo
Lease
Well No. 6 D/D in NW/4 of Sec. 10, T. 22-S
R. 37-E, N. M. P. M., Drinkard Field, Lea County.
Well is 1980 feet south of the North line and 660 feet East of the East line of Section 10.
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is: R. L. Brunson, Address: Eunice, New Mexico
If Government land the permittee is, Address:
The Lessee is: Magnolia Petroleum Company, Address: Box 727, Kermit, Texas
Drilling commenced: April 23, 1948 Drilling was completed: May 23, 1948
Name of drilling contractor: Magnolia Petroleum Company's New Mexico Drilling Tools, Address: Midland, Texas
Elevation above sea level at top of casing: 3420 feet.
The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from 5063 to 5140 No. 4, from to
No. 2, from 5140 to 5205 No. 5, from to
No. 3, from 6510 to 6540 No. 6, from to

IMPORTANT WATER SANDS None logged.

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
5"OD	15#	Ext. line	N-80		Halliburton				
5"OD	15#	Ext. line	J-55		Halliburton				
5"OD	15#	8RT	N-80SS		Halliburton				
5"OD	15#	8RT	J-55 SS	6570	Halliburton		6510	6540	Oil String
2"	4.7#	8RT	J-55 SS						
2"x10'	4.7#	8RT	EUE H-40	6562					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
6 1/2	5"	6570	250	Pump & Plug		

PLUGS AND ADAPTERS None

Heaving plug—Material Length Depth Set
Adapters — Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		20% low tension	1000 gals	May 30		
		20% low tension	2000 gals	May 31		
		20% low tension	4000 gals	June 1		

Results of shooting or chemical treatment: Completing well

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 3727 feet to 6570 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing: May 31, 1948
The production of the first 24 hours was 83.9 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, Be. 37.5 @ 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 ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 8th day of JUNE, 1948
Notary Public
Kermit, Texas June 7, 1948
Name: B. F. Stephens
Position: District Superintendent
Representing: Magnolia Petroleum Company
Address: Box 727, Kermit, Texas
My Commission expires: June 1, 1949

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1.29	1.29	From top of rotary drive bushing to derrick floor.
1.29	17.79	16.50	From derrick floor to top of 9-5/8" OD casing.
3735			Halliburton ran Caliper Survey.
3735	3510	225	100 sac cement fill hole, top cement - 3510'.
3510	3727	217	Drilled out cement.
3735	5140	1405	Lime 1" @ 3840; 1 1/4" @ 4020; 1 1/2" @ 4170; 1 1/4" @ 4322, 4510, 4563, 4680; 1 1/4" @ 4805; 1" @ 4970. 1st Oil Zone 5084-5130; 30% to 60% stain & porosity, fair to good; 6 MFP drlg. time.
5063	5140	77	Drill Stem Test - (2 Packers), no wtr. cushion 1 hr. 50 min., 5/8" BHC & 1" surface choke, gas 2 min., drlg. mud 20 min., oil 30 min., clean in tank 20 min. Flowed 7.18 B/O and 23.2 MCF, gas 1 hr. GOR 3231/l. SFP 40#; BHFP 300#; S-I 15 min. BHP 1850#; hyd. hd. 2300 Rec. circ. out.
5140	5205	65	Lime
5140	5205	65	Drill Stem Test - (2 Packers) 1 hr. 58 min., 5/8" BHC & 1" surface choke, no wtr. cushion, gas 6 min., mud 44 min., oil 46 min. Cleaned in tank 12 min. Flowed 4.27 B/O and 20.18 MCF, gas 1 hr., GOR 4726/l. Grav. 32.1 @ 60°; SFP 32#; BHFP 670#; S-I 15 min. BHP 1850#; hyd. hd 2400#. Rec. circ. out.
5205	6455	1250	Lime 1" @ 5300; Straight @ 5505; 3/4" @ 5655; 1" @ 5850, 6000; 1 1/4" @ 6195.
6414	6455	41	Drill Stem Test - (2 Packers) 1 hr. 5/8" BHC & 1" surface choke, gas 22 min. Est. 12.94 MCF 24 hrs; BHFP 400#; S-I 15 min. BHP 2200#; hyd. hd. 3400#; Rec. 95' oil & gas cut mud.
6455	6462	7	No form. logged
6462	6552	90	Lime
6445	6552	107	Drill Stem Test - 2 Packers 1 hr. 30 min., gas 41 min. (insufficient to measure), no fluid to surface; SFP 0#; BHFP 50#; 15 min. S-I BHP 350#; hyd. hd. 3150#; Rec. 240' oil & gas cut mud.
6552	6570	18	Lime Gas 6420-6443, oil 6448-6493, 6548-6557.
6570			Ran Schlumberger.
6570			<u>TOTAL DEPTH</u> <u>Set 5" OD casing @ 6570' w/250 sac cement</u> Centralizers set @ 6559.99, 6491.20, 6427.81, 6362.89, 5182.19, 5119.29, 5056.80, 4993.09, 3577.02, 3545.31
6574	6556	2982	Halliburton ran Temp. Survey, top cement 5740' (doubtful).
2000	6440	4440	Schlumberger ran Temp. Survey, top cement 3240'.
6479	6562	83	Drilled out cement.
6510	6540	30	McCullough Tools perf. 5" OD casing w/180 holes, 6 SFP. <u>Ran 2" tubing to 6562'.</u> Swab dry.
6510	6540	30	Western Co. acidized perforations w/1000 gals, 20% low tension, 3200#-3000#, 2 hrs. 12 min., 2/10 BPM.
6510	6540	30	Swab down to 1000' OIH. Western Co. re-acidized perforations w/2000 gals, 20% low tension, 2900#-2650#, 1 hr. 13 min. 6/10 BPM.
6510	6540	30	Swab 10 B/O 3 hrs, 900' OIH. Western Co. re-acidized perforations w/4000 gals, 20% low tension, 2950#-2535#, 1 hr. 17 min., 1.6 BPM.
			<u>RRG POT. TEST:</u> Flowed 83.9 bbls. oil 18 1/2 hrs, 24/64" choke; TP 180#-40#; GP 650#-650#, GOR 2267/l. Grav. 37.5 @ 60°; 1% B.S., 3% acid water. Est gas vol. 24 hrs. 247 MCF; est. capacity 109 bbls. oil.