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OCT 3 1947
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HOBBS OFFICE
MISSION

Santa Fe, New Mexico

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

Box 727, Kermit, Texas

Brunson Argo Company or Operator 14 NW/4 10 Address 21-8
 Well No. in of Sec. T.
 Lease
 R. 37-E Paddock Lea Field, County.
 760 660 Section 10.
 Well is feet south of the North line and feet west of the East line of.
 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 Address
 Drilling commenced April 29, 19 47 Drilling was completed June 5, 19 47
 Name of drilling contractor Jack Grace Address Wichita Falls, Texas
 Elevation above sea level at top of casing 3427 feet.
 The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3820 to ? No. 4, from _____ to _____
 No. 2, from 5200 to 5210 No. 5, from _____ to _____
 No. 3, from _____ to _____ 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 | |
| 13-3/8" | 48# | 8rt | H-40 EUE | 332 | Halliburton | | | | |
| 8-5/8" | 32# | 8rt | H-55 EUE | 3841 | Halliburton | | | | |
| 5-1/2" | 12# | 8rt | H-55 EUE | 5215 | Halliburton | 5200 | 5210 | Producing zone | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 2" | 4-7# | 8rt | H-40 EUE | 5216 1/2 | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|--------------|-------------|--------------------|
| 17-1/4 | 13-3/8 | 332 | 300 | Pump & Plug | | |
| 11" | 8-5/8 | 3841 | 875 | " | | |
| 7-3/4 | 5-1/2 | 5215 | 215 | " | | |

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% I.T. Acid | 1,000 | 6-11-47 | 5200-5210 | |
| | | | | | | |
| | | | | | | |

Results of shooting or chemical treatment.....**Process in completion.**

See drill stem tests
on reverse side.

RECORD OF DRILL-STEM AND SPECIAL TESTS

on reverse side.
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 0 feet to 5218 feet, and from _____ feet to _____ feet

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

PRODUCTION

Put to producing..... June 11, 19 47
The production of the first 24 hours was..... est. 600 barrels of fluid of which 100 % was oil; 0 %
emulsion; 0 % water; and 0 % sediment. Gravity, Be. 37.8°
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 30th.....

day of 11 **September**, 1947

Alfred Binet

Notary Public

DAN B. COMFORT, Notary Public
in and for the State of New York

~~Kernit, Texas, Sept. 30, 1947~~

_____ Date _____

Name _____
District Superintendent

Position.....

Representing..... **Magnolia Petroleum Company**

Company or Operator
Box 727, Kismet, Texas

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|----------|----------------------|---|
| 0 | 2.8 | 2.8 | Top or rotary drive bushing to derrick floor |
| 2.8 | 13.7 | 10.9 | From derrick floor to top of 8-5/8" OD casing |
| 13.7 | 95 | 81.3 | Caliche and sand |
| 95 | 190 | 95 | Red bed |
| 190 | 990 | 800 | Red bed and sand <u>Set 13-3/8" OD casing @ 332'</u> <u>9/300 sag.</u> |
| 990 | 1270 | 280 | Shale & anhydrite |
| 1270 | 1300 | 30 | Salt |
| 1300 | 1455 | 155 | Shale & anhydrite |
| 1455 | 1530 | 75 | No formation logged |
| 1530 | 1938 | 408 | Anhydrite & salt 3/4 @ 1550; 3/4 @ 1729. |
| 1938 | 2094 | 156 | Anhy., salt & gyp 3/4 @ 2020 |
| 2094 | 2385 | 291 | Anhydrite and salt 3/4 @ 2390 |
| 2385 | 2420 | 35 | Anhydrite |
| 2420 | 2485 | 65 | Anhydrite & salt |
| 2485 | 2495 | 10 | Anhydrite |
| 2495 | 2612 | 117 | Anhydrite & salt 1 1/2 @ 2570 |
| 2612 | 2834 | 222 | Anhydrite |
| 2834 | 2860 | 26 | Anhydrite & gyp |
| 2860 | 2917 | 57 | Anhydrite 1 @ 2900. |
| 2917 | 2975 | 58 | Anhydrite & gyp |
| 2975 | 3363 | 388 | Anhydrite 1 @ 3100; 1 1/2 @ 3300. |
| 3363 | 3430 | 67 | Anhydrite & lime |
| 3430 | 3460 | 30 | Anhy, sand & lime |
| 3460 | 3465 | 5 | Anhydrite and lime |
| 3465 | 3506 | 41 | Sand |
| 3506 | 3572 | 66 | Anhydrite & lime |
| 3572 | 3599 | 27 | Lime 3/4 @ 3575. |
| 3599 | 3612 | 13 | Sandy lime |
| 3612 | 3645 | 33 | Lime |
| 3645 | 3699 | 54 | Lime & sandy lime |
| 3699 | 3718 | 19 | Sandy lime |
| 3718 | 3752 | 34 | Sandy lime, oil odor |
| 3752 | 4239 | 487 | Sandy lime |
| | | | <u>Set 8-5/8" OD casing @ 3841'</u> <u>9/875 sag.</u> |
| 4239 | 4299 | 60 | Lime |
| 4299 | 4357 | 58 | Lime and sandy lime |
| 4357 | 4380 | 23 | Sandy lime |
| 4380 | 4484 | 104 | Sand 1 @ 4400; 1 @ 4440. |
| 4476 | 4580 | 104 | Lime |
| 4580 | 5090 | 510 | Sandy lime 1 1/2 @ 4822 |
| 5090 | 5102 | 12 | Oil sand, strong odor Aver. drlg. time 5 M.P.F. from 5075' |
| 5844 | 5102 | 58 | Drill Stem Test Tool open 2 hrs. thru 5/8" BHC & 1" surface choke, gas in 4 min. (532 MCF 24 hrs.), mud 57 min., oil 60 min., 15 min., clean up, 10 bbls. oil 45 min., GOR 1663/1, Rec. 2900' free oil, surface flowing pressure 150#, BHFP 550#, S-I, BHP 1900#, after 15 min., 5102-5119, good porosity, 5119-5150 broken fair to good porosity, Av. drlg. time 5 to 7 MFP, Tool open 3-1/2 hrs. thru 5/8" BHC & 1" surface choke, gas 2 min., mud 1 hr. 45 min., oil 2 hrs. 5 min., flowed 14 bbls. oil, 1 hr. then died, GOR 1524/1 Corr. Grav. 38.1, S.F.P. 95#-0#, BHFP 200#, 400#, 300#, S-I BHP 1800# after 15 min. Rec. 2690' free oil, 120' oil-continued out 2.5% drlg. mud. |
| 5102 | 5150 | 48 | Sandy lime & sand |
| 5101 | 5150 | 49 | Drill Stem Test |
| 5150 | 5160 | 10 | No formation logged |
| 5160 | 5215 | 55 | Sandy lime |
| 5158 | 5215 | 57 | Drill Stem Test Tool open 3 hrs. thru 5/8" BHC & 1" surface choke, gas 2 min. (3200 MCF 24 hrs.), mud 10 min., oil 15 min., cleaned 10 min., flowed 78.33 bbls. oil 2 1/2 hrs.; Corr. Grav. 39.5, GOR 4520/1, 2/10% BS, no water, BFP 450#, no BHP build up taken, pull tool. Tool open 3 hrs. thru 5/8" BHC & 1" surface choke, gas 18 min. (Insufficient to measure), Rec. 1440' oil and 180' heavily oil and gas out drlg. mud, BHFP 280# gradually 350#, S-I BHP 1600# after 15 min. |
| 5195 | 5215 | 20 | Drill Stem Test |
| 3829 | 5223 | 1394 | Ran Schlumberger (Detail 4950-5223) |
| | 5218 | 5218 | <u>TOTAL DEPTH</u> |
| | | | <u>SIC 5215 = 5218.</u> |
| | | | <u>Set 5-1/2" OD casing @ 5218'</u> <u>v/215 sag. w/centralizers set @</u> <u>5211, 5177, 5153, 5120, 5088,</u> <u>5060, 5028, 4995, 4962, 4930.</u> |
| 5218 | 5216 1/2 | 1 1/2 | Drilled out |
| 5200 | 5210 | 10 | McGillough Tools perforated 5-1/2" OD casing w/4 M.P.F. 40 shots. <u>Ran 2" tubing to 5216 1/2.</u> |
| 5200 | 5210 | 10 | Chemical Process acidized perforations w/1000 gals, 20% low tension, GP 2000-1100#, in 15 min. |

TEST: Flowed 325 bbls. oil, 13 hrs. thru 1/2" choke, TP 1100#-450#. GP 1500#-850#; GOR 1663/1, (24 hrs. Vol. 978.6 MCF), Corr. Grav. 37.8, Est. 24 hrs. Cap. 600 bbls. oil, daily allow. 53 bbls.