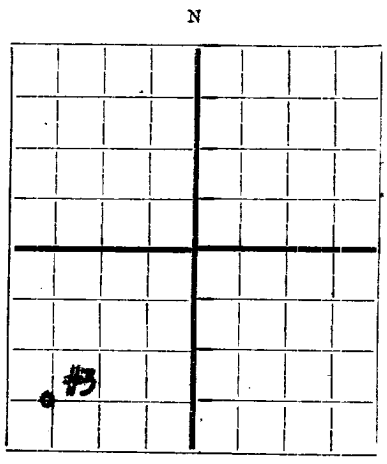
DUPLICATE

FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

RECEIVED
JUN 18 1947
HOBBS OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

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 TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Magnolia Petroleum Company (Company or Operator) Box 727, Kermit, Texas (Address)

E. O. Carson (Lease) Well No. 3 D/C in SW/4 of Sec. 28, T. 21-S

R. 37-E, N. M. P. M., Drinkard Field, Lea County.

Well is 660 feet north of the South line and 660 feet east of the West line of Section 28

If State land the oil and gas lease is No. ..... Assignment No. .....

If patented land the owner is E. O. Carson, Address Merkel, Texas

If Government land the permittee is ....., Address .....

The Lessee is E. O. Carson, Address Merkel, Texas

Drilling Deeper commenced January 24, 1947 Drilling Deeper was completed February 19, 1947

Name of drilling contractor Magnolia Petroleum Company's New Mexico Drilling Tools, Address Box 727, Kermit, Texas

Elevation above sea level at top of casing 3477 feet.

The information given is to be kept confidential until ..... 19.....

OIL SANDS OR ZONES

No. 1, from 6585 to 6605 No. 4, from ..... to .....

No. 2, from 6610 to 6620 No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

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 FROM	PERFORATED TO	PURPOSE
5" OD	15#	extreme-line	S&S	6630	Halliburton		6585	6605	
5" OD	15#						6610	6620	Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
6-1/4	5" OD	6630'	350	Pump & Plug	?	?

PLUGS AND ADAPTERS

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
		Acid	1000 gals.	2-23-47	Perforations	

Results of shooting or chemical treatment Acidized to complete.

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.

See reverse side of this form.

TOOLS USED

Rotary tools were used from 3786 feet to 6630 feet, and from ..... feet to ..... feet

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

PRODUCTION

Put to producing February 23, 1947

The production of the first 24 hours was est. 238 bbls. barrels of fluid of which 96.3 % was oil; 3.2 % emulsion; ..... % water; and ..... % sediment. Gravity, Be. 37.1 corrected to 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 13th day of June, 1947

Ian B. Com[illegible] Notary Public in and for Winkler County, Texas

My Commission expires June 1, 1949

Kermit, Texas, June 13, 1947
Place Date

Name [signature]

Position District Superintendent

Representing Magnolia Petroleum Company
Company or Operator

Address Box 727, Kermit, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1.5'	1.5'	From Top of Rotary Drive Bushing to Derrick Floor
1.5'	10.8'	9.3'	From derrick floor to top of 7" OD casing.
3784	3786	2'	Halliburton ran calipers - largest diameter 24".
3775	3739	36	100 sax cement filled hole.
3739	3600	79	100 sax cement filled hole.
3606	3786	180	Drilled out cement.
3786	6497	2711	Lime - 2° @ 3970, 2¼ @ 4113, 4300, 4440, 1¼° @ 4850, 3/4° @ 5240, 2° @ 5486, 5665, 1¼° @ 6152, 1° @ 6438. SLC 6431 = 6437.
6457	6497	40	Drill Stem Test - Tool open 30 min. thru 5/8" BHC & 1" surface choke, gas in 2 min. (est. 5000 MCF per 24 hrs.), mud in 7 min., distillate 8 min., spray insufficient to measure, surface flowing pressure 700#, BH flowing press. 1575#, no build-up BHP taken 30' distillate, gravity 62° @ 60°.
6497	6555	58	Lime
6495	6555	60	Drill Stem Test - Tool open 1 hrs. 40 min. thru 5/8" BHC and 1" surface choke, gas 3 min. (est. 3500 MCF per day), drlg. mud 6 min., oil 9 min., 50 bbls. oil, 1½ hrs., rate 33 bbls. oil per hour, GOR 4400/1, Grav. 42.8 @ 60°. Surface flowing pressure, 575#, BH flowing pressure, 1700#, no build, packer pulled loose when tool closed, Rec. 210' free oil.
6555	6630	75	Lime
	6630		TOTAL DEPTH.
6555	6630	75	Drill Stem Test - Tool open 2-1/4 hrs. thru 5/8" BHC and 1" surface choke, gas in 4 min., mud 43 min., oil 45 min., flowed by heads , 1st. 30 min., 10.7 bbls. oil; 2nd 30 min., 8.5 bbls. oil; 3rd 30 min., 7.6 bbls. oil. Total oil 26.8 bbls. oil, 1-1/2 hrs. Rec. 210' free oil, Surface flowing pressure 60#, BH flowing pressure, 550#. BHP after 15 min. build-up, 2400#, GOR 750/1, Corr. Grav. 37.4 @ 60°.
3643	6628	2985	Ran Schlumberger Well Survey. Set 5" OD casing @ 6630' w/350 sax cement w/centralizers @ 6622, 6592, 6561, 6529, 6497, 6466, 6436, 6404, 6373, 6343, 5204, 5172, 5141, 5110, 5078, 5047.
5638	6625	987	Drilled out cement.
6585	6605	20	McCullough Tools perforated 5" OD casing.
6610	6620	10	" " " " " "
6585	6605	20	Western Co. acidized perf. w/1000 gals. 20% low tension under pressure 2500#-2200#, 18 min.
6610	6620	10	
			TEST: Flowed 85.20 bbls. oil, 2.32 bbls. acid water, 9 hrs. thru 1/4" positive choke on 2" tubing, TP 410#-400#; CP 0#-0#; GOR 908/1, Corr. Grav. 37.1 @ 60°; 3.2% BS&W, Est. cap. 238 bbls. thru 1/4" choke.