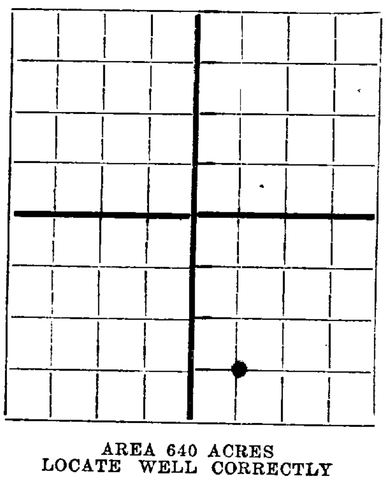
7-7-47

FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

JUL 10 1947
HOBBS OFFICE

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 — Box 727, Kermit, Texas
Company or Operator — Address

H. Corrigan Well No. 1 D/D in SE/4 of Sec. 33, T. 21-S
Lease

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

Well is 660 feet ~~north~~ South of the North line and 1980 feet west of the East line of Section 33.

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

If patented land the owner is H. Corrigan, Address 5th Floor, First National Bank Bldg, Midland, Texas

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

The Lessee is ...., Address ....

Drilling/Deeper commenced February 11, 1947 Drilling/Deeper was completed March 28, 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 3459 feet.

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

OIL SANDS OR ZONES

No. 1, from 5100 to 5255 — No. 4, from .... to ....
No. 2, from 6515 to 6650 — No. 5, from .... to ....
No. 3, from 7486 to 7677 — 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#	Ext.line	N-80 SS						
5"OD	15#	8 RT	J-55 SS						
5"OD	15#	Ext.line	J-55 SS	7679	Halliburton		7644	7672	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	7679	300	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material None Length .... Depth Set ....

Adapters—Material None Size ....

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment........

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.

TOOLS USED

Rotary tools were used from 3758 feet to 7679 feet, and from .... feet to .... feet

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

PRODUCTION

Put to producing April 5, 1947

The production of the first 24 hours was est. 312 barrels of fluid of which 100 % was oil; ....% emulsion; ....% water; and ....% sediment. Gravity, Be 41.3

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 June, 1947

Notary Public
Winkler County, Texas

My Commission expires June 1, 1949

Kermit, Texas, June 30, 1947
Place — Date

Name ....

Position District Superintendent

Representing Magnolia Petroleum Company
Company or Operator

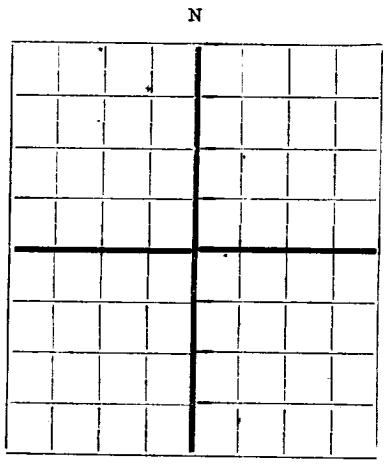
Address Box 727, Kermit, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
5850	5849	1	McCullough Tools perforated 5" OD casing w/2 shots, broke down 2000#.
5820			Set Baker Drillable Retainer.
5780			Set Baker Drillable Retainer - Broke thru perf. @ 5850' w/2800# water pressure.
5850			Pumped thru perforations - 30 bbls. water, 10 sax cement, 30 bbls. water, 190 sax cement, 1100#-600#-2400#-1100# (1500# water pressure between 5" OD casing and 2" tubing.)
5775	5850	75	Drilled out cement
7606	7675	69	Drilled out cement — Tested upper perforations down to 6460' w/2000# for 30 min., no drop in pressure.
7658	7679	21	Corrected Drill Pipe Measurement. - Top of shoe 7677'.
7644	7692	28	McCullough Tools perforated 5" OD casing w/3 shots, (3/8") per foot, 84 shots.

NATURAL TEST: Flowed 148.77 bbls. oil, 11-3/4 hrs. thru 1/4" positive choke on 2" tubing, CP 0#-0#; TP 800#-1000#; GOR 988/1, Corr. Grav. 41.3, 2/10 of 1% BS, Est. cap. 312 bbls. oil per day.

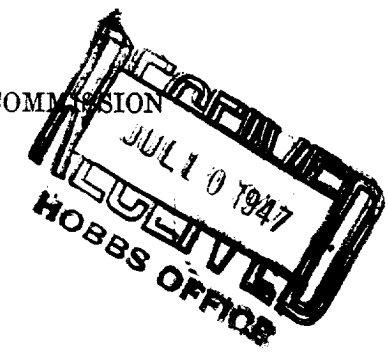
FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

.....
Company or Operator — Address

.....Well No.....in.....of Sec....., T.....
Lease

R....., N. M. P. M.,.....Field, ...County.

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....., Address.....

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

The Lessee is....., Address.....

Drilling commenced.....19..... Drilling was completed.....19.....

Name of drilling contractor....., Address.....

Elevation above sea level at top of casing.....feet.

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

OIL SANDS OR ZONES

No. 1, from.....to..... No. 4, from.....to.....

No. 2, from.....to..... 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

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED

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

Results of shooting or chemical treatment.....

.....

.....

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.....feet to.....feet, and from.....feet to.....feet

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

PRODUCTION

Put to producing....., 19.....

The production of the first 24 hours was.....barrels of fluid of which.....% was oil;.....%

emulsion;.....% water; and.....% sediment. Gravity, Be.....

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.....

day of....., 19.....

.....
Notary Public

My Commission expires.....

.....
Place Date

Name L. T. Daniel

Position.....

Representing.....
Company or Operator

Address.....

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	2.0'	2.0'	Top of rotary drive bushing to derrick floor.
2.0'	11.8'	9.8'	From derrick floor to top of 7" OD casing.
3607	3758	151	Halliburton ran Calipers Diameter 18" - 25".
3759	3721	38	Cemented w/100 sax.
3380			Top of cement.
3380	3759	379	Drilled out cement
3759	3796	37	Lime ½° @ 3775'.
3796	3826	30	Gray lime
3826	4856	1030	Lime ½° @ 4035; 1° @ 4315; Straight @ 4700'.
4856	4878	22	No formation logged
4878	5121	243	Lime ½° @ 5030.
5121	5289	168	Lime and sand
5289	5352	63	Sandy lime
5352	5397	45	Lime and sand 3/4° @ 5375.
5397	6515	1118	Lime 3/4° @ 6200.
6440	6515	75	Drill Stem Test - Tool open 2 hrs. 40 min. thru 5/8" BHC & 1" surface choke, gas in 4 min., drlg. mud 22 min., oil 30 min., 1st. 30 min. 27 bbls. fluid, 2nd 30 min., 3.4 bbls. fluid, 3rd 30 min., 3.5 bbls. fluid, 4th 30 min., 2.8 bbls. fluid, total fluid, 12.4 bbls. .3 bbls. BS&W, 12.1 bbls. oil, gas 102.5 MCF (est. 1230 MCF 24 hrs.), GOR 8471/1, surface flowing pressure, 150#; BHP flowing pressure, 450#; S-I BHP packer pulled loose. Corr. Grav. 48.2, Rec. 210' oil.
6515	6555	40	Lime
6513	6555	42	Drill Stem Test - Tool open 1 hr. 40 min. thru 5/8" BHC & 1" surface choke, air blow thru-out test, varied fromvery slight to strong several times during test, gas (small quantity) showed after tool closed and while taking BH build-up pressure, surface flowing pressure 0#, BH flowing pressure 100#; S-I BHP after 15 min., 400# (did not level off in 15 min.), Rec. 90' oil and gas cut mud, 90' heavily oil and gas cut mud.
6555	6597	42	Lime
6553	6597	44	Drill Stem Test - Tool open 90 min. thru 5/8" BHC & 1" surface choke, steady slight blow of air thru out test, surface flowing pressure, 0#; BH flowing press. 0#; S-I BHP after 15 min., 200#; Rec. 31' slightly gas out drlg. mud.
6597	6602	5	No formation logged.
6602	6743	141	Lime 2° @ 6600'.
6743	6760	17	No formation logged.
6760	7148	388	Lime 2-3/4° @ 6804; 1½° @ 6880. 2½° @ 7125.
7148	7172	24	No formation logged.
7172	7520	348	Lime 2° @ 7375'. Top of Ellenberger lime 7465'. Drlg. time 10 min. per ft. 7475-7500; Drlg. time 15 min. per foot, 7500-7520, good staining & porosity, 7475-7520.
7465	7520	55	Drill Stem Test - Tool opened 6 times, failed to hold.
7456	7520	64	Drill Stem Test - (Double Packer), tool open 3 hrs. 40 min. thru 5/8" BHC & 1" surface choke, gas in 6 min., steady blow 1st. 40 min. then started heading, fluid to surface 2 hrs. 10 min. (Est. 1½ bbls. drlg. mud), oil 2 hrs. 12 min., 1st. 10 min., 5.5 bbls. oil, 2nd, 10 min., 2.8 bbls. oil, 3rd. 10 min., .7 bbls. oil, 4th 10 min., no oil, 1/10 of 1% drlg. mud, well made no more fluid remainder of test; pulsating gas flow for remainder of test. (Est. 154 MCF 24 hrs.), Corr. Grav. 39.2, surface flowing press. 0#, BH flowing pressure 350#, after 2 hrs. 750#, after 2½ hrs. 650#; S-I BHP 1975# after 15 min., Rec. 3/1830' still in hole, pipe unloaded oil for 4 min., and unloaded small amounts of oil intermittently while pulling rest of pipe, last 90' heavily oil and gas cut drlg. mud.
7520	7538	18	Lime 7520-7535 - Aver. drlg. time 15 min. per ft.
7538	7540	2	No formation logged 7533-7588 - Aver. drlg. time 123 min. per ft.
7540	7571	31	Lime 7357-7775 - Aver. drlg. time 15 min. per ft.
7571	7575	4	Lime and chert.
7575	7615	40	Lime
7520	7615	95	Drill Stem Test - Tool open 2 hrs. 25 min. thru 5/8" BHC & 1" surface choke, gas to surface in 3 min., drlg. mud 19 min., oil 20 min., 2 hr. flow test, 10 min. gauges, 10.3, 6.9, 6.2, 4.8, 8.2, 4.8, 4.8, 5.5, 6.2, 5.5, 6.9, total 77 bbls. oil; Corr. Grav. 41.4, gas produced @ rate of 934 MCF per 24 hrs., GOR 1104/1, surface flowing pressure 275#, BH flow. pressure 1150#; S-I BHP 2625# after 15 min., Rec. 90' drlg. mud and oil.
7615	7656	41	Lime Sandy porous lime -7635-7656.
7656	7658	2	Granite.
7658			TOTAL DEPTH
3627	7658	4031	Ran Schlumberger Well Survey - detail 6400-6600; 7400-7658.
			Set 5" OD casing @ 7658' w/100 sax cement with centralizers @ 7638, 7608, 7577, 7545, 7514, 7483, 7452, 7357, 7326, 6633, 6603, 6602, 6571, 6539, 6508, 6476.
6460	6070	390	Halliburton ran Temperature Survey; Halliburton perforated 2 shots 5" OD casing @ 6450', no circ. @ 2000#; Reperf. @ 6350' w/2 shots, no circ. @ 2000#; Reperf. 5" OD casg. @ 6200' w/3 shots, no circ. @ 2000#; Reperf. w/3 shots @ 6070', no circ. @ 2000#; Reperf. w/1 shot @ 5800', no circ. @ 2000#.