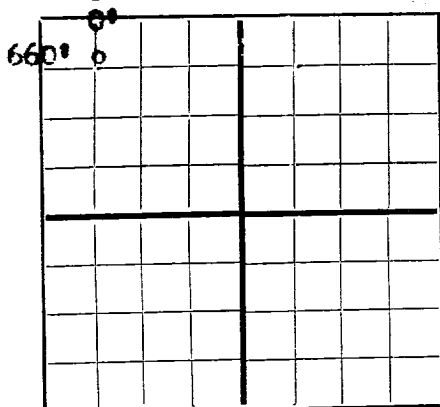


NEW MEXICO OIL CONSERVATION
Santa Fe, New Mexico

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Magnolia Petroleum Company Box 727, Kermit, Texas
Company or Operator Address
E. O. Carson Well No. **2 D/D** in **NW/4** of Sec. **33**, T. **21-S**
Lease
R. **37-E**, N. M. P. M., **State** Field, **east** **west** County.
Well is **660** feet south of the North line and **660** 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 **E. O. Carson**, Address **Marcol, Texas**
If Government land the permittee is, Address
The Lessee is **Magnolia Petroleum Company**, Address **Box 727, Kermit, Texas**
Drilling commenced **October 30** 19 **48** Drilling was completed **March 29** 19 **49**
Name of drilling contractor **Elliott & Reed Drilling Company**, Address **Box 476, Hobbs, New Mexico**
Elevation above sea level at top of casing **3476** feet.
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from **7840** to **7877** No. 4, from to
No. 2, from **7790** to **7822** No. 5, from to
No. 3, from **7770** to **7780** 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		Drill Pipe Pay Zone
							FROM	TO	
5" Liner 3 1/2"	15#	8RT	J-55	6610	Halliburton				Oil String
				1403			7840	7877	Flush joint liner
							7790	7822	Oil String
							7770	7780	
2"	4.7#	8RT	J-55	6510					

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"	6610	275	Pump & Plug		
4-1/8"	3 1/2"	7915	70	Pump and Plug (Flush joint liner)		

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
	20%	low tension acid	1000 gals		6550-6580	
	20%	low tension acid	2000 gals		6550-6580	
	20%	low tension acid	1000 gals		6590-6610	

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 **3786** feet to **7915** feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing **April 16** 19 **49**
The production of the first 24 hours was **24 hrs: 133.35** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, Be. **41.8** **9.60**
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

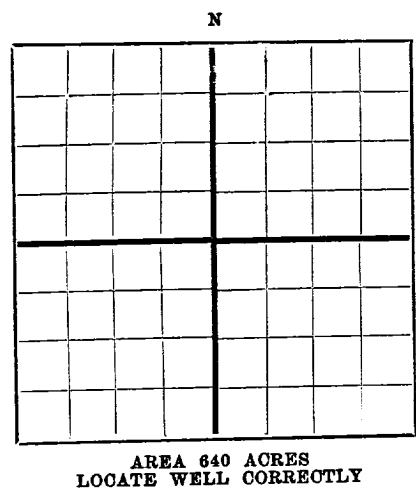
FORMATION RECORD ON OTHER SIDE

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 **12th** **Kermit, Texas** **April 12, 1949**
day of **April** 19 **49** Name **Samuel S. Carson**
Notary Public Position **Dist. Supt.**
Representing **Magnolia Petroleum Company**
Company or Operator Address **Box 727, Kermit, Texas**
My Commission expires **June 1, 1949**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1.41	1.41	From top rotary drive bushing to derrick floor
1.41	13.5	12.09	From derrick floor to top of 7" OD casing.
3639	3777	138	Halliburton Ran Caliper survey 7" to 29" out
3786	3755	31	100 sac cement filled hole
3755	3745	10	100 sac cement filled hole
3745	3352	393	100 sac cement filled hole
3352	3777	425	Drilled out cement
3777	4474	697	Line 3° @ 3955, 2-1/4° @ 4335
4474	4490	16	No formation logged while drilling up cone
4490	4540	50	Line
4540	4569	29	Line and gyp
4569	5020	451	Line 1-1/2° @ 4594, 1-1/4° @ 4507, 1/2° @ 4874,
5020	5058	38	No formation logged
5058	6616	1558	Line 1/4° @ 5335, 1/4° @ 5859, 1° @ 6335, 1° @ 6600
			Set 5" OD casing @ 6610 (Engineer measurements) w/275 sac. Float shoe at 6607.17 Float collar at 6575.62 Centralizers at 6602.17, 6542.17, 6482.17, 6422.17, 6362.17, 5276.94, 5216.94, 5156.94, 5096.94, 3646.10, 3586.10.
3000	6440	3440	Ran Halliburton temp. survey Top cement 3460
	6612		Drilled out cement
6550	6580	30	Perf. 5" OD casing. w/6 SPF 180 holes Recovered load oil.
6550	6580	30	Western Co. acidized perf. w/1000 gals 20% low tension Pressure 2000- 1650-2100# 47 min. 1.5 BPM
6550	6580	30	Western Co. re-acidized perf. w/2000 gals 20% low tension Pressure 1950-1050# 47 min. 1.4 min. to 2 BPM Flowed 73 B/O 19 1/2 hrs. 24/64" choke TP 0-150#, CP 1000- 500#, GOR 3000/l, Gravity 33.8° @ 60°.
6550	6580	30	Western Co. re-acidized perf. w/3000 gals 20% low tension CP 2000-300# TP 1850-700- 975# 23 min. 3 BPM. Flowed 86 B/O 24 hrs., 24/64" choke, TP 700-700#, CP 950-950#, GOR 35500/l, Grav. 49.2° @ 60°, 2/10 of 1% BS.
	6535		Set Baker Drillable Retainer
6550	6580	30	Squeezed perf. 100 sac 3000#
6530	6612	82	Drilled out
6530	6612	82	Drilled out Tested squeeze job on perf. w/1200# pump pressure, no break.
6530	6612	82	Drill Stem Test to test squeeze job 1 packer 1 hr. 5/8" BHC and 1" SC slight blow 5 min. rec. 1 bbl. oil out drlg. water, Hy Hd 2900# BHFP 0#.
6590	6610	20	McCullough Tool perf. 120 holes 6 SPF 5" OD
	6585		Set Packer
6590	6610	20	Tested 500# O.K. swabbed load oil
			Western Co. acidize perf. w/1000 gals 20% low tension packer at 6585, pressure 3600-2150-2300# 6 hrs. 10 min. 9/10 BPM. Swab 4 bbls. formation oil, 2 bbls. acid water 5 hrs. 100' oil in hole.
6590	6610	20	Western Co. acidized perf. w/2000 gals 20% low tension CP 2000-1100# TP 1450-1400#, 55 min. 6/10 of 1 BPM. Flowed 45.1 B/O 11 hrs., 1/4" choke, CP 1300-1300# TP 1575-1575# GOR 16320/l, Gravity 52.2° @ 60°, 4/10 of 1% BS.
	6585		Set Baker Drillable Retainer
6590	6610	20	Squeeze perf. 50 sac cement 1100# washed out 15 sac
	6544		Set Baker Drillable Retainer No shut-off circ. past
	6585		Drilled out Retainer
	6536		Set Baker Bridge Retainer
6536	6613	77	Squeeze 100 sac cement 5200# w/o 2 1/2 sac
			Drilled out Tested squeeze job 1600# 30 min. no break
6590	6610	20	McCullough Tools. perfs. 6 SPF 120 holes
6590	6610	20	5" OD casing. Swab all load oil 50' OIH Western Co. acidized w/1000 gals 20% low tension perf. CP 1100-900# TP 200-550-900# 4 hrs. 2/10 BPM Flowed 35.75 B/O 14 hrs. (9 hrs. 3/4" choke 5 hrs. 1/4" choke) CP 750-1700# TP 1400-1700# GOR 43900/l, Gravity 50.7° @ 60°, 2/10 of 1% BS.
	6585		Set Baker Drillable Retainer
6590	6610	20	Attempted to squeeze 100 circ. to upper perf. 6550- sac 6580 washed out
	6541		Set Baker Drillable Retainer
			Squeeze 100 sac wash perf. w/12 bbl. water 4600-2300#
			Re-squeezed w/100 sac 30 sac thru perf. 5800# w/o 70 sac
6541	6614	73	Drilled out cement Tested perf. 1600# 30 min., no break.
6616	6710	94	Line 11-12 MPF
6606	6710	104	Drill Stem Test 1 packer No SC 5/8" BHC and 1" SC 2 hrs. good blow air, rec. 1080' water (formation?) BHFP 100-225# 15 min. S-I BHP 1950# Hy Hd 3000#, no show oil or gas Glar 6404-6425.1° @ 6777.11/20
6710	7171	461	Line



NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

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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	OUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	

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 _____
Position _____
Representing _____
Company or Operator _____
Address _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
7171	7172	1	Line and chert
7172	7174	2	Chert
7174	7231	57	Chert and lime
7231	7234	3	Lime
7234	7236	2	Lime and chert
7236	7239	3	Lime
7239	7256	17	Lime and chert
7256	7258	2	Dolomite and chert
7257	7267	12	Lime and chert
7267	7288	21	Lime
7288	7301	13	Lime and chert
7301	7303	2	Lime
7303	7312	11	Lime and chert
7312	7352	40	Lime
7352	7356	4	Gyp and lime
7356	7427	71	Lime
			<u>Simpson Top 7420. 33 MPF 1st</u> 10', 8 MPF 2nd 10', 30 MPF 3rd 10', 8 MPF last 9'.
7427	7461	34	Lime and shale
7461	7466	5	Lime
7466	7504	43	Lime and shale
7504	7520	16	Shale
7520	7526	6	Lime
7526	7533	7	Shale
7533	7604	71	Shale and lime
7604	7712	108	Shale
7712	7719	7	Green shale
7719	7725	6	Shale
7725	7748	23	Green shale
7748	7814	66	Shale and sand
7765	7814	49	Drill Stem Test
			2 packers No WC 2 hrs. 5/8" BHC and 1" SC gas 2 min. mud and oil 8 min., cleaned 22 min. flowed 48.82 B/O in 1 1/2 hrs., Grav. 43.9° @ 60°, GOR 1027/1, SFP 87 BHFP 2150-1900#, 15 min. S-I BHP 2600#, Hy Hd in 3600# out 3300#.
7814	7864	50	Shale and sand
7816	7864	48	Drill Stem Test
			12-14 MPF 2 packers No WC 2 hrs. 13 min. 5/8" BHC and 1" SC gas 2 1/2 min. (802 MCF 24 hrs. E oil and mud 8 min, clean 1 hr. 5 min. flowed 31.62 BO 1 hr. Grav. 43.9° @ 60°, GOR 1058/1 SFP 75# BHFP 2600#-2300# 15 min. S-I BHP 2850# Hy Hd 3800-3600#.
7864	7902	38	Shale and sand
7902	7914	12	Shale and lime
7914	7915	1	Shale and sand
	7915		59 MPF
	7906		<u>TOTAL DEPTH</u> Ran Schlumberger Attempted to Run Halliburton tripped at 7664 twice Caliper survey <u>Set 1403' (Engineer Measurements) of</u> <u>3-1/2" OD flush joint liner at 7915</u> <u>w/70 sax. brown oil tool back pressure</u> <u>valve on bottom and 3' of back off tool</u> <u>on top.</u> Cement thru 1399' of 1" pipe inside of liner circ. w/1500# cemented w/2000# circ. out a little cement, washed out drilg. mud to 7899, top cement
7840	7877	37	McCullough Tool perf. 3 SFP
7790	7822	32	3-1/2" OD liner 3SFP
7770	7780	10	3 SFP
			<u>Ran 2" tubing at 6510'</u> ERC Potential test: Flowed 59.5 BO 6 hrs. thru 24/64" choke, TP 500-550#, CP 250-200#, GOR 1130/1, Gravity 41.8° @ 60°, 2/10 of 1% mud, Est. 24 hrs. capacity 238 BO Retested: Flowed 135.25 BO 12 hrs. thru 1/4" positive choke, TP 850-650#, CP 300-400# GOR 1115/1 Est. 24 hr. capacity 270 BO