

RECORDED

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

Box 727, Kermit, Texas

Magnolia Petroleum Company

Company or Operator

E. C. Carson

Well No.

21

in

SW/4

of Sec.

Address

21-S

Lease

R. 37-E

N. M. P. M.

Hare

Field,

Lea

east

west

County.

Well is

2050.7

feet south

of the

North

line and

589.3

feet west

of the East 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

Magnolia Petroleum Company

Address

Box 727, Kermit, Texas

Drilling commenced

December 14

19 49

Drilling was completed

February 18

19 50

Name of drilling contractor

Carper Drilling Co. Ind.

Address

Carper Building Artesia, N.M.

Elevation above sea level at top of casing

3472

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

see reverse

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"	32.4#	8RT	Type "A"	304	Halliburton				Surface
13-3/8"	48#	8RT	H-40		Halliburton				
8-5/8"	32#	8RT	H-40SS		Halliburton				
8-5/8"	32#	8RT	J-55SS	2892	Halliburton				Intermediate
5-1/2"	17#	8RT	J-55FW		Halliburton		76%	7712	
5-1/2"	17#	8RT	J-55SS	7852	Halliburton		7726	7760	
2"	4.7#	8RT	J-55SS	7844			7770	7815	

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"	304	300	Pump and Plug		
11"	8-5/8"	2892	1500	Pump and Plug		
7-7/8"	5-1/2"	7602	75 / 464	Pump and Plug		
5-1/2"						

PLUGS AND ADAPTERS

Heaving plug—Material

Length

Depth Set

Adapters — Material

Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

None

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 0 feet to 7853 feet, and from feet to feet

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

PRODUCTION

Put to producing February 26 19 50

The production of the first 24 hours was 128.5 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be. 44.5 @ 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 20th

Kermit, Texas

March 20, 1950

day of

March

19 50

Name

W. A. Schuler

Position

Dist. Supt.

Representing

Magnolia Petroleum Company

Company or Operator

Address

Box 727, Kermit, Texas

June 1, 1951

FORMATION RECORD

FROM	TO	THICKNESS	FORMATION
0	2.35	2.35	From top of rotary drive
2.35	14.75	12.40	bushing to derrick floor
14.75	20	5.25	From top of derrick floor
20	105	85	to 13-3/8" OD casg.
105	175	70	Caliche
175	275	100	Caliche and red bed
275	335	60	Red bed
			Red bed, lime and shells
			Red bed and shells
			<u>Set 13-3/8" OD casg. at 304' w/300 sax</u>
335	790	455	Red bed and shale
790	970	180	Shale and shells
970	1114	144	Red bed and shale 3/4" @ 1000
1114	1190	76	Red bed, shale and shells
1190	1280	90	Anhydrite
1280	1590	310	Anhydrite, red bed and salt
1590	1795	205	Anhydrite and salt
1795	2020	225	Red bed and salt 1/4" @ 1840, 3/4" @ 1945
2020	2350	330	Anhydrite and salt 1-1/4" @ 2050
2350	2475	125	Anhydrite and gyp
2475	2665	190	Anhydrite 1" @ 2610
2665	2850	185	Anhydrite and gyp 3/4" @ 2850
2850	2892	42	Anhydrite and lime
			<u>Set 8-5/8" OD casg. at 2892 w/1500 sax</u>
2892	2950	58	Anhydrite and lime
2950	3215	265	Lime 1" @ 3120
3215	3978	763	Lime and shale 1" @ 3560, 1/2" @ 3700, 1/2" @ 3850
3978	7298	3320	Lime 1/4" @ 4059, 1" @ 4250, 1-1/2" @ 4600, 1-1/4" @ 4700, 1-1/4" @ 4800, 1-1/4" @ 4900, 1-1/4" @ 5000, 1" @ 5110, 1" @ 5300, 1" @ 5420, 3/4" @ 5580, 3/4" @ 5735, 1/2" @ 5825, St @ 6010, 1/2" @ 6310, 3/4" @ 6480, 1/2" @ 6790, 1" @ 7100
			<u>Top Montoya 7271 stain and porosity</u>
7274	7298	24	Drill Stem Test No WC 3 hrs. 5/8" BHC and 1" SC gas 60 min (est. 300 MCF 24 hrs no fluid to surface Rec. 340' free oil 180' drlg. mud 60' salt water grav. 31.8° @ 60° 4% BS BHFP 200#-300# 15 min. S-I BHP 650#, Hy Hd 3650# - 3600#.
			<u>Top Simpson 7325</u>
			<u>Top McKee 7673</u>
7298	8338	40	Lime
7338	7677	339	Lime and shale
7677	7718	41	Sand and shale
7672	7718	46	Drill Stem Test 2 packers No WC 1-1/4 hrs. 5/8" BHC and 1" SC gas 3 min (Est. 24 hrs. 1545 MCF) mud 6 min oil 6 min cleaned 9 min flowed 60 BO 1 hr. Grav. 45° @ 60°, GOR 1073/1 1% drlg. mud, SFP 185#, BHFP 1300#-1900#, 15 min S-I BHP 2500# Hy Hd 3825# 3800#
7718	7790	72	Shale and sand 20% porosity 20% fair good stain in McKee
7720	7790	70	Drill Stem Test 2 packers No WC 1-1/4 hrs. 5/8" BHC and 1" SC gas 2-1/2 min (16.32 MCF 24 hrs.) mud and oil 7 min cleaned 8 min. in pits flowed 68.76 BO 1 hr. Grav. 45° @ 60°, GOR 988/1 S/O 2/10 of 1% BS no water SFP 200# BHFP 1825# 2125# 15 min S-I BHP 2550# Hy Hd 3800# in and out.
7790	7800	10	Sand 1" @ 7800
7800	7853	53	Shale and sand <u>Top 2nd McKee 7842</u>
7853			<u>TOTAL DEPTH</u>
7839	7853	14	Drill Stem Test 2 packers No WC 1 hr. 55 min 5/8" BHC and 1" SC gas 2-1/2 min (Est. 624 MCF 24 hrs.) mud and oil 35 mins. cleaned in pits 20 min. flowed 22 BO 1 hr. Grav. 41.6° @ 60°, GOR 976/1 S/O 2/10 of 1% BS SFP 0#-0#, BHFP 500#-1000#, 15 min S-I BHP 2600# Hy Hd 3850# in 3700# out.
2892	7852	4960	Ran Schlumberger
			<u>Set 5-1/2" OD casg. at 7852' MC at 7602</u>
			<u>75 sax below collar circ. out 3 sax WOC 5 hrs.</u>
			<u>464 sax 6% gel 232 sax wellite 100 sax neat</u>
			<u>(total 796) thru the collar</u>
			Centralizers at oil zone 7846.99, 7775.23
			7712.38, 7651; Montoya zone 7352.42, 7290.60,
			Drinkard zone 6657.13, 6599.40, 6540.59,
			6477.72, Paddock zone 5274.71, 5333.51, 5212.75,
			Intermediate 2949.96
2000	7530	5530	Halliburton ran temp. survey Approx. top cement 2840
7530	7845	315	Drilled out cement Tested cementing collar w/1000# 30 min no break
7696	7712	16	Welllex Guns perf. 5-1/2" OD casg. 4 SPF (Jet)
7726	7760	34	4 SPF (Jet)
7770	7815	45	4 SPF (Jet)
			<u>Ran 2" tubing at 7844</u>
			Potentail Test: Flowed 128.5 BO 8 hrs. 16/64" choke TP 750#-800#-750# CP 0#-50# GOR 1002/1, Grav. 44.5° @ 60°, S/O 2/10 of 1% BS 24 hrs. capacity Est. 385 BOPD