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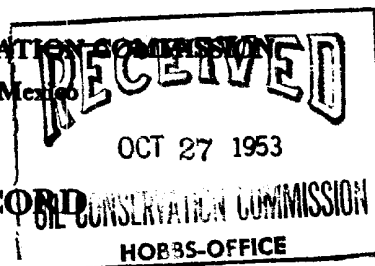
AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

WELL RECORD



Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPPLICATE.

Magnolia Petroleum Company
(Company or Operator)

J. C. Maxwell
(Lease)

Well No. 4, in NE $\frac{1}{4}$ of SE $\frac{1}{4}$, of Sec. 27, T. 14 S, R. 37 E, NMPM.

Denton Wolfcamp

Pool, **Lea**

...County.

Well is 1780 feet from South line and 660 feet from East line

of Section 27..... If State Land the Oil and Gas Lease No. is.....

Drilling Commenced **June 7**, 19 **53** Drilling was Completed **July 23**, 19 **53**

Name of Drilling Contractor.....**Magnolia Petroleum Company**.....

Address Box 900, Dallas, Texas

Elevation above sea level at Top of Tubing Head..... **3820** **0. L.**..... The information given is to be kept confidential until
....., 19.....

OIL SANDS OR ZONES

No. 1, from 9379 to 9408 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10 3/4"	35.75#	New	442				Surface String
7 5/8"	24.26#	New	4735				Salt String
5 1/2"	16.87#	New	5033			9379 - 9408	Prod. String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15 1/2"	10 3/4"	412	500	Halliburton		
9 7/8"	7 5/8"	4735	2633	"		
6 3/4"	5 1/2"	9540	725	"		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

See attached sheet.

Result of Production Stimulation.....

...Depth Cleaned Out.....

ORD 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 9540 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing August 17, 1953

OIL WELL: The production during the first 24 hours was 297.5 barrels of liquid of which 98 % was oil; % was emulsion; 1 % water; and 1 % was sediment. A.P.I. Gravity 43.1° @ 60°

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy. 2148	T. Devonian	T. Ojo Alamo	
T. Salt	T. Silurian	T. Kirtland-Fruitland	
B. Salt	T. Montoya	T. Farmington	
T. Yates 3141	T. Simpson	T. Pictured Cliffs	
T. 7 Rivers	T. McKee	T. Menefee	
T. Queen	T. Ellenburger	T. Point Lookout	
T. Grayburg	T. Gr. Wash	T. Mancos	
T. San Andres 4643	T. Granite	T. Dakota	
T. Glorieta 6197	T. Wolfcamp 9350	T. Morrison	
T. Drinkard	T.	T. Penn.	
T. Tubbs 7362	T.	T.	
T. Abo 8047	T.	T.	
T. Penn	T.	T.	
T. Miss	T.	T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	270	270	Caliche & Sand	4174	4683	509	Anhydrite
270	441	171	Sand & Red Bed	4683	4735	52	Anhydrite & Lime
441	716	275	Sand & Shells	4735	5819	1084	Lime
716	1712	996	Red Bed & Sand	5819	5950	131	Sand & Lime
1712	2017	305	Red Bed & Shells	5950	9219	3269	Lime
2017	2365	348	Sand & Anhydrite	9219	9420	201	Dolomite & Lime
2365	4174	1809	Anhydrite & Salt	9420	9540	120	Lime

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

October 22, 1953

Company or Operator Magnolia Petroleum Company

Address Box 727, Kermit, Texas

Name E. J. Whalley

Position or Title District Superintendent

ACIDIZING OR OTHER COMPLETION OPERATIONS

<u>Date</u>	<u>Operation</u>
7-30-53	Cardinal acidized perfs. 9488-9408 w/1000 gals. mud acid., Time 30 min., Inj. rate 8 BPM, TP 5000#. Swabbed 37 BLO (All) plus 74 BAW 6 hrs, Dry 1 hr.
7-30-53	Cardinal re-acidized perfs. 9488-9508 w/2000 gals 20% IST, Time 1 hr. Inj. rate 8 BPM, TP 5000-5200#. Swab 37 BLO (All) plus 48 BAW 13 hrs. Dry 2 hrs.
7-31-53	Cardinal re-acidized perfs 9488-9508 w/5000 gals 20% IST, Time 37 min. Inj. rate 3.4 BPM, TP 4500-5700#. Swab 37 BLO (All) plus 98 BAW 14 hrs. Swab 22 BAW (All) plus 3 BFO 10 hrs.
8-1-53	Cardinal re-acidized perfs 9488-9508 w/1000 gals 20% SLT, Time 2 hrs. & 32 min., Inj. rate 1½ BPM, TP 4000-5000#. pkr gave way. Reset pkr @ 9438', Swab 37 BLO (All) plus 240 BAW (All) plus 6 BFO 42 hrs. Swab 108 BSW plus 15 BFO 18 hrs.
8-6-53	Cardinal acidized perfs 9379-9408 w/1000 gals mud acid. Time 1 hr. Inj. rate .4 to 2.4 BPM, TP 5300-4900#. Swab 37 BLO (All) plus 14 BAW 6 hrs. Swab 15 BFO plus 10 BAW 4 hrs.
8-7-53	Cardinal re-acidized perfs 9379-9408 w/2000 gals 20% SLT, Time 30 min. Inj. rate 1½ BPM, TP 4000-5200#. Swab 37 BLO (All) plus 48 BAW 9 hrs. Swab 156 BFO 16 hrs.,
8-8-53	Cardinal re-acidized perfs 9379-9408 w/4000 gals 20% SLT, Time 50 min. Inj. rate 2 BPM, TP 3500-2200#. Swabbed 37 BLO (All) plus 96 BAW (All) 10 hrs. Swabbed 81 BFO in 8 hrs. 4500' FIH, slight show of gas.
8-15-53	Cardinal re-acidized perfs 9370-9408 w/8000 gals 20% IST, Time 1 hr. & 24 min., Inj. rate 2 BPM, TP 2000-2500. Swab 37 BLO (All) plus 132 BAW plus 42 BFO 16 hrs., 6300' FIH, good show of gas.

DRILL STEM TESTS

7-22-53 DST (Wolfcamp) 9360-9420, Open Hole, 1" SC, 5/8" BHC, No WC, Time 2 hrs., w/2 pkrs, Gas to surface in 65 min. Rec. 845' free oil, gravity 37.9°, 45' heavily oil & gas cut drlg. mud, SFP 0, BHFP 85-225#. Closed 15 min. SIP 730#. HH 4560 in, and 4530 out.

DEVIATION SURVEY

<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>
232	¼	5670	½	7672	1¼
2145	1	6005	1	8450	1 3/4
2280	½	6158	1¼	8543	1 3/4
3588	1	6420	1 3/4	8657	1½
4455	1½	6541	1¼	8858	2
4945	1½	7342	1	9070	1¼
5139	1	7474	3/4	9291	2
5427	3/4	7588	1 3/4		

ON THE 10th APRIL 1960 THE 1st BATTALION

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STUDY QUESTIONS

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FOUO - INTERNAL

Account	Amount	Account	Amount	Account	Amount
1000	1000	1000	1000	1000	1000
1001	1001	1001	1001	1001	1001
1002	1002	1002	1002	1002	1002
1003	1003	1003	1003	1003	1003
1004	1004	1004	1004	1004	1004
1005	1005	1005	1005	1005	1005
1006	1006	1006	1006	1006	1006
1007	1007	1007	1007	1007	1007
1008	1008	1008	1008	1008	1008
1009	1009	1009	1009	1009	1009
1010	1010	1010	1010	1010	1010