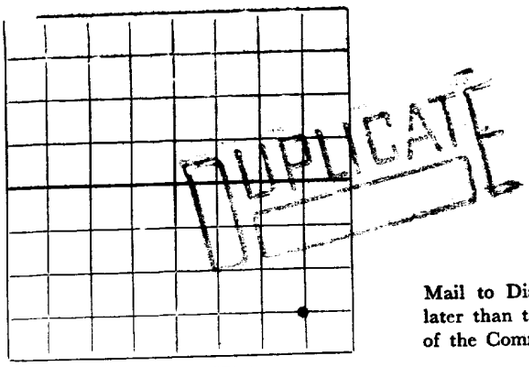
(Revised 7/1/58)
(Form C-105)

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

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 QUINTUPLICATE.

Magnolia Petroleum Company (Company or Operator) Mary M. Martin (Lease)

Well No. 1, in SE ¼ of SE ¼, of Sec. 29, T. 6S, R. 34E, NMPM.

Wildcat Pool, Roosevelt County.

Well is 660 feet from South line and 660 feet from East line of Section 29. If State Land the Oil and Gas Lease No. is -

Drilling Commenced August 29, 19 55 Drilling was Completed November 5, 19 55

Name of Drilling Contractor Sabine Drilling Co.

Address 510 Commercial National Bank Bldg, Shreveport, La.

Elevation above sea level at Top of Tubing Head 4341 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	48#	new	454				Surface
9 5/8"	36#	new	4049				Intermediate String
9 5/8"	40#	new	85				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17½	13 3/8	454	500	Pump & Plug		
12¼	9 5/8	4125	2300	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

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

See attachment

.....

.....

.....

.....

Result of Production Stimulation.....

.....

.....Depth Cleaned Out.....

RECORD OF DRILL-STEM AND SPECIAL TES

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 8073 feet, and from ..... feet to ..... feet.

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

PRODUCTION

Put to Producing Plugged & Abandoned, 19.....

OIL WELL: The production during the first 24 hours was ..... barrels of liquid of which ..... % was was oil; ..... % was emulsion; ..... % water; and ..... % was sediment. A.P.I. Gravity .....

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 1856	T. Devonian	T. Ojo Alamo
T. Salt 1935	T. Silurian	T. Kirtland-Fruitland
B. Salt	T. Montoya	T. Farmington
T. Yates 2117	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen 2755	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres 3175	T. Granite	T. Dakota
T. Glorieta 4420	T. Permo Penn 7308	T. Morrison
T. Drinkard	T. Ordovician Dolomite 7790	T. Penn
T. Tubbs 5804	T. Pre-Cambrian 8052	T.
T. Abo 6570	T.	T.
T. Penn	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
	See Attachments						

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.

16 November 1955
(Date)

Company or Operator: Magnolia Petroleum Company

Name: E M Blundell

Address: Box 727, Hobbs, Texas

Position or Title: District Superintendent

MARY P MARTIN #1

FORMATION RECORD

From	To	Thickness in Feet	Formation
0	143	143	Caliche, sand & gravel
143	1514	1371	Red Bed
1514	1815	301	Red bed & shale
1815	1965	150	Anhydrite & shale
1965	2102	137	Anhydrite
2102	2251	149	Anhydrite & salt
2251	3312	1061	Anhydrite
3312	3472	160	Anhydrite & gyp
3472	3530	58	Anhydrite, gyp & lime
3530	3555	25	Anhydrite & lime
3555	3608	53	Anhydrite & gyp
3608	3651	43	Dolomite & lime
3651	3694	43	Anhydrite & dolomite
3694	3734	40	Anhydrite & lime
3734	4038	304	Lime
4038	4093	55	Core #1
4093	5125	1032	Lime
5125	5176	51	Lime & dolomite
5176	5363	187	Lime
5363	5455	92	Lime, anhydrite & dolomite
5455	5832	377	Lime
5832	5879	47	Lime, anhydrite & dolomite
5879	6037	158	Lime
6037	6242	205	Lime & shale
6242	6296	54	Lime, shale & gyp
6296	6386	90	Shale & gyp
6386	6400	14	Gyp
6400	6470	70	Shale & gyp
6470	6505	35	Lime, shale & gyp
6505	6530	25	Shale & gyp
6530	6548	18	Gyp
6548	6563	15	Shale & gyp
6563	6666	103	Shale
6666	6677	11	Shale & gyp
6677	6724	47	Shale
6724	6739	15	Shale & gyp
6739	6757	18	Shale, gyp & clay
6757	6826	69	Shale
6826	6845	19	Shale, gyp & lime
6845	7011	166	Shale
7011	7028	17	Shale & gyp
7028	7085	57	Shale
7085	7123	38	Shale & gyp
7123	7138	15	Dolomite & shale
7138	7159	21	Dolomite, lime & shale
7159	7225	66	Shale & dolomite
7225	7265	40	Dolomite
7265	7297	32	Dolomite & shale
7297	7320	23	Dolomite
7320	7336	16	Lime & chert
7336	7420	84	Lime
7420	7472	52	Dolomite & lime
7472	7548	76	Lime
7548	7580	32	Lime, shale & gyp
7580	7606	26	Lime & shale
7606	7668	62	Lime
7668	7713	45	Lime & shale
7713	7768	55	Lime
7768	7790	22	Lime & shale
7790	7810	20	Core #2
7810	7840	30	Core #3
7840	7865	25	Core #4
7865	7885	20	Core #5
7885	7914	29	Dolomite & chert
7914	7934	20	Lime & dolomite
7934	7954	20	Lime
7954	8018	64	Lime, dolomite & chert
8018	8061	43	Lime & dolomite
8061	8067	6	Lime
8067	8073	6	Core #6

Formation	Thickness in Feet	[illegible]	[illegible]
Caliche, sand & rock	[illegible]	[illegible]	0
Red bed	[illegible]	[illegible]	[illegible]
Red bed & shale	[illegible]	[illegible]	[illegible]
Anhydrite & shale	146	[illegible]	[illegible]
Anhydrite	137	[illegible]	[illegible]
Anhydrite & salt	149	2051	1902
Anhydrite	1061	3112	2051
Anhydrite & gyp	160	3272	3112
Anhydrite, gyp & lime	53	[illegible]	3272
Anhydrite & lime	25	[illegible]	[illegible]
Anhydrite & gyp	53	3608	[illegible]
Dolomite & lime	43	3651	3608
Anhydrite & dolomite	43	3694	3651
Anhydrite & lime	40	3734	3694
Lime	301	4035	3734
Core #1	55	4090	4035
Lime	[illegible]	[illegible]	[illegible]
Lime & dolomite	51	[illegible]	[illegible]
Lime	187	[illegible]	5176
Lime, anhydrite & dolomite	92	5455	5363
Lime	77	5532	5455
Lime, anhydrite & dolomite	47	5579	5532
Lime	158	[illegible]	5579
Lime & shale	209	5946	5737
Lime, shale & gyp	[illegible]	[illegible]	[illegible]
Shale & gyp	[illegible]	[illegible]	[illegible]
Gyp	14	[illegible]	5986
Shale & gyp	[illegible]	[illegible]	[illegible]
Lime, shale & gyp	35	[illegible]	[illegible]
Shale & gyp	25	[illegible]	[illegible]
Gyp	13	[illegible]	[illegible]
Shale & gyp	15	[illegible]	[illegible]
Shale	[illegible]	[illegible]	[illegible]
Shale & gyp	11	[illegible]	[illegible]
Shale	47	[illegible]	[illegible]
Shale & gyp	15	[illegible]	[illegible]
Shale, gyp & clay	18	[illegible]	6739
Shale	69	[illegible]	[illegible]
Shale, gyp & lime	19	6845	[illegible]
Shale	166	7011	6845
Shale & gyp	17	7028	7011
Shale	57	7085	7028
Shale & gyp	38	7123	7085
Dolomite & shale	[illegible]	[illegible]	7123
Dolomite, lime & shale	21	7159	[illegible]
Shale & dolomite	[illegible]	7165	7159
Dolomite	[illegible]	[illegible]	[illegible]
Dolomite & shale	[illegible]	[illegible]	[illegible]
Dolomite	[illegible]	[illegible]	[illegible]
Lime & chert	[illegible]	[illegible]	[illegible]
Lime	[illegible]	[illegible]	[illegible]
Dolomite & lime	52	[illegible]	[illegible]
Lime	76	[illegible]	[illegible]
Lime, shale & gyp	[illegible]	[illegible]	[illegible]
Lime & shale	[illegible]	[illegible]	[illegible]
Lime	[illegible]	[illegible]	[illegible]
Lime & shale	48	[illegible]	7648
Lime	29	[illegible]	[illegible]
Lime & shale	22	[illegible]	[illegible]
Core #2	[illegible]	[illegible]	[illegible]
Core #3	30	[illegible]	[illegible]
Core #4	29	[illegible]	[illegible]
Core #5	20	[illegible]	[illegible]
Dolomite & chert	29	[illegible]	[illegible]
Lime & dolomite	20	[illegible]	7914
Lime	20	[illegible]	[illegible]
Lime, dolomite & chert	[illegible]	[illegible]	[illegible]
Lime & dolomite	[illegible]	[illegible]	[illegible]
Lime	[illegible]	[illegible]	[illegible]
Core #6	[illegible]	[illegible]	[illegible]

MARY M. MARTIN #1

DEVIATION SURVEY Totco

Depth	Degree off Vertical	Depth	Degree off Vertical
250	¼	5875	1
2062	3/4	6040	3/4
2700	1 3/4	6205	1/4
3184	¼	6525	3/4
3340	3/4	6611	1/2
3650	1/4	6826	1/4
3751	3/4	7174	1/2
3874	1	7396	1/4
3931	3/4	7445	3/4
4340	1/4	7606	1/4
4660	1	7746	1/2
5320	1/2	8066	1
5500	3/4		

ACIDIZING OR OTHER COMPLETION OPERATION

Cardinal Acidized Perf 4038-4060 w/2000 gals 15% XLST, 32 mins, 1.5 BPM, TP 2200-1000-1500#, CP Pkr, Swabbed 23 BLO (all) in 1 hr. Swabbed 20 BAW 1 hr, Swabbed dry 5 hrs, no shows.
Cardinal Reacidized Perf. 4038-4060 w/5000 gals 15% XLST, 41 mins. 2.93 BPM. TP 1000-1200#, CP Pkr, Flowed 23 BLO (all) + 29 BAW in 2 hrs.
Cardinal spotted 250 gals Jel thru Perf 4070-4078 and Acidized w/1000 gals 15% XLST, 8 mins, 3 BPM, TP 1000-1300, CP Pkr, Swabbed 33 BLO + 24 BAW in 6 hrs. Swabbed 24 BLO + 55 BSW in 19 hrs. Swabbed 1 BLO + 16 BSW in 6 hrs. 150' FIH, 20 BLO to recover. Circulated oil to mud.

CORES

Core #1 - 4038-4093 Recovered 55' lime & dolomite. 4038-4048, 10' dolomite finely crystalline brown, 10% pin point & frac porosity, bleeding heavy black oil & gas, trace of salt water; 4048-4054, 6' dolomite finely crystalline tan, NS; 4058-4087, 33' dolomite finely crystalline brown, 10% pin point frac porosity bleeding heavy black, gas, trace of salt water; 4087-4093, 6' limestone, finely crystalline brown slight trace pin point porosity, trace of bleeding heavy black oil, gas & salt water.

Core #2 - 7790-7810 Recovered 20' limestone, finely crystalline light tan, 10% scattered shale inclusions, 5-10% vuggy porosity, bleeding oil, gas & water.

Core #3 - 7810-7840 Recovered 17' Dolomite; 7810-7827, 17' dolomite, light tan crystalline 10% chert, 5% vuggy porosity with trace of green shale partings, bleeding oil, gas & water. Lost 13' bottom.

Core #4 - 7840-7865 Recovered 18' Dolomite; 7840-7849, 9' dolomite finely crystalline to medium crystalline ~~to medium crystalline~~ tan, 10% chert, less than 5% vuggy porosity trace bleeding oil, gas & water; 7849-7855, 6' dolomite finely crystalline to medium crystalline tan, 10% chert, less than 5% vuggy porosity w/ light yellow fluorescense & trace of cut; 7855-7858, 3' dolomite finely crystalline medium crystalline tan 10% vuggy porosity trace bleeding oil, gas & water, yellow fluorescense & trace of cut. Lost bottom 7'.

Core #5 - 7865-7885 Recovered 16 1/2' dolomite, finely crystalline medium crystalline tan w/scattered chert stringers, 5-10% vuggy, fractured & inner cr porosity, good stain, blue white flo, bleeding oil & gas w/trace of SW.

Core #6 - 8067-8073 Recovered 3' Granite, NS.

MARY M. MARTIN #1

DEVIATION SURVEY Totco

Depth	Degrees off Vertical	Depth	Degrees off Vertical
590	[illegible]	5875	[illegible]
1060	3/4	6040	3/4
1700	1 3/4	6201	1/4
2254	1/2	6525	3/4
2540	3/4	6611	1/4
2850	1/4	6826	1/4
3751	3/4	7174	1/2
3974	1	7395	1/4
3991	[illegible]	7445	3/4
4240	3/4	7606	1/4
4640	1	7746	1/4
5260	1/2	8066	1
5500	3/4		

ACIDIZING OR OTHER COMPLETION OPERATION

Cardinal Acidized Perf 4038-4060 w/2000 gals 15% XLST, 32 mins, 1.5 BPM, TP 2600-1800-1500#, GP Pkr, Swabbed 23 BLO (all) in 1 hr. Swabbed 20 BAW 1 hr, Swabbed dry 5 hrs, no shows.

Cardinal Reacidized Perf. 4038-4060 w/5000 gals 15% XLST, 41 mins. 2.93 BPM. TP 1000-1200#, GP Pkr, Flowed 23 BLO (all) + 29 BAW in 2 hrs.

Cardinal spotted 250 gals Acid thru Perf 4070-4078 and Acidized w/1000 gals 15% XLST, 8 mins, 3 BPM, TP 1000-1300, GP Pkr, Swabbed 33 BLO + 24 BAW in 6 hrs. Swabbed 24 BLO + 55 BSW in 19 hrs. Swabbed 1 BLO + 16 BSW in 6 hrs. 150' FIH, 20 BLO to recover. Circulated oil to mud.

CORES

Core #1 - 4035-4093 Recovered 55' lime & dolomite. 4035-4045, 10' dolomite finely crystalline brown, 10% pin point & frac porosity, bleeding heavy black oil & gas, trace of salt water; 4048-4054, 6' dolomite finely crystalline tan, [illegible] 4054-4087, 33' dolomite finely crystalline brown, 10% pin point frac porosity bleeding heavy black, gas, trace of salt water; 4087-4093, 6' limestone, finely crystalline brown slight trace pin point porosity, trace of bleeding [illegible] oil, gas & salt water.

Core #2 - 7790-7810 Recovered 20' limestone, finely crystalline light tan, 10% scattered shale inclusions, 5-10% vuggy porosity, bleeding oil, gas & water.

Core #3 - 7810-7840 Recovered 17' Dolomite; 7810-7827, 17' dolomite, light tan crystalline 10% chert, 5% vuggy porosity with trace of green shale partings, bleeding oil, gas & water. Lost 13' bottom.

Core #4 - 7840-7865 Recovered 18' dolomite; 7840-7849, 9' dolomite finely crystalline to medium crystalline ~~medium crystalline~~ tan, 10% chert, less than 5% vuggy porosity trace bleeding oil, gas & water; 7849-7855, 6' dolomite finely crystalline to medium crystalline tan, 10% chert, less than 5% vuggy porosity w/ light yellow fluorescense & trace of cut; 7855-7858, 3' dolomite finely crystalline medium crystalline tan 10% vuggy porosity trace bleeding oil, gas & water, yellow fluorescense & trace of cut. Lost bottom 7'.

Core #5 - 7865-7885 Recovered 16 1/2' dolomite, finely crystalline medium crystalline tan w/scattered chert stringers, 5-10% vuggy, fractured & linear ex porosity, good stain, blue white flo, bleeding oil & gas w/trace of SW.

Core #6 - 8067-8073 Recovered 3' Granite, NS.

MARY M. MARTIN #1

DRILL STEM TESTS

#1 9-14-55 3950-4015 San Andres, open hole, 5/8" x 1" ch, no Water Cushion, 3 hrs. NTS, Rec. 135' of drlg mud, no shows oil gas or water. SFP 0#, BHFP 90-150#, 45 min SIP 150#, HH 2590# in & out.

#2 9-17-55 4030-4093 San Andres, open hole, 5/8" x 1" ch, no Water Cushion, 50 min. NTS, Rec 60' slight gas cut drlg mud, no oil or water. SFP 0#, BHFP 105#, 45 min SIP 105#, HH 2498# in & out.

#3 10-18-55 7285-7336 Permo Penn, open hole, 5/8" x 1" ch, no Water Cushion, 2 hr 35 min. Gas to surface in 1 hr 45 min. Estimate 2.75 MCF/day. Rec. 60' of slightly gas cut drlg. mud, no oil or water shows. SFP 0#, BHFP 0-150#, 15 min SIBHP 900#. HH 4200 in & out.

#4 10-20-55 7365-7420 Permo Penn, open hole, 5/8" x 1" ch, no Water Cushion, 2 hrs. Gas to surface in 15 mins. Est 355 MCF/day. Rec 180' of heavily gas cut drlg mud, no oil or water. SFP 10# BHFP 125-200#, 30 min SIBHP 2500#, HH 4400 in & out.

#5 10-25-55 7745-7790 Permo Penn, open hole, 5/8" x 1" ch, no Water cushion, 1 hr 30 min. 2 Pkrs, NTS. Rec 120' heavy gas and salt water cut drlg mud + 5960' of heavy gas cut salt water. SFP 0#, BHFP 550-2775#, 15 min SIBHP 2775#. HH 4450 in 4300 out.

#6 10-27-55 7793-7810 Permo Penn, open hole, 5/8" x 1" ch, no Water Cushion, 2 hrs. NTS, Rec. 2630' of drlg mud, 300' of salt water cut drlg mud + 630' of salt water. SFP 0#, BHFP 1750#, 15 min BHSIP 2875#, HH 4175 in 4125 out.

#7 11-1-55 7839-7885, Devonian, open hole, 5/8" x 1" ch, no Water cushion, 2 hrs. 2 Pkrs. NTS. Rec 220' of drlg mud, no shows. SFP 0#, BHFP 175#, 15 min SIP 2200#, HH 4025 in & out.

#8 11-3-55 7911-7967 Devonian, open hole, 5/8" x 1" ch, no Water Cushion, 2 hrs. NTS. Rec. 200' salt water cut drlg mud. SFP 0#, BHFP 250#, 15 min SIP 2125#, HH 4050 in & out.

#9 11-7-55 7973-8073 Undetermined Formation, open hole, 5/8" x 1" ch, no Water Cushion. 2 hrs. 2 Pkrs, NTS. Rec 710' of drlg mud + 5419' of salt water. SFP 0#, BHFP 2500-2850# 20 min SIP 2850#, HH 4200 in & out.

DRILL STEM TESTS

#1 9-14-55 3950-4015 San Andres, open hole, 5/8" x 1" ch, no Water Cushion, 2 hrs. WTS, Rec. 135' of drlg mud, no shows oil gas or water. SIP 0#, SHFP 00-100#, 45 min SIP 150#, HH 1900# in & out.

#2 9-[illegible]-55 4030-4095 San Andres, open hole, 5/8" x 1" ch, no Water Cushion, 30 min. WTS, Rec 40' slight gas cut drlg mud, no oil or water. SIP 0#, SHFP 105#, 15 min SIP [illegible]#, HH 2095# in & out.

#3 10-14-55 7435-7536 Permo Penn., open hole, 5/8" x 1" ch, no Water Cushion, 2 hr 31 min. Gas to surface in 1 hr 45 min. Estimate 2.75 MCF/day. Rec. 60' of slightly gas cut drlg mud, no oil or water shows. SIP 0#, SHFP 0-150#, 15 min SIBHP 900#, HH 4200 in & out.

#4 10-20-55 7365-7420 Permo Penn, open hole, 5/8" x 1" ch, no Water Cushion, 2 hrs. Gas to surface in 15 mins. Est 355 MCF/day. Rec 120' of heavily gas cut drlg mud, no oil or water. SIP 10# SHFP 125-200#, 30 min SIBHP 2900#, HH 4400 in & out.

#5 10-29-55 7745-7790 Permo Penn, open hole, 5/8" x 1" ch, no Water cushion, 1 hr 30 min. 2 Pkrs, WTS. Rec 120' heavy gas and salt water cut drlg mud + 5960' of heavy gas cut salt water. SIP 0#, SHFP 950-2775#, 15 min SIBHP 2775#. HH 4450 in 4350 out.

#6 11-[illegible]-55 7753-7810 Permo Penn, open hole, 5/8" x 1" ch, no Water Cushion, 2 hrs. WTS, Rec. 2650' of drlg mud, 300' of salt water cut drlg mud + 630' of salt water. SIP 0#, SHFP 1750#, 15 min SIBHP 2875#, HH 4175 in 4125 out.

#7 11-2-55 7833-7885, Devonian, open hole, 5/8" x 1" ch, no Water cushion, 2 hrs. 2 Pkrs, WTS, Rec 150' of drlg mud, no shows. SIP 0#, SHFP 175#, 15 min SIP 2350#, HH [illegible] in & out.

#8 11-3-55 7911-7967 Devonian, open hole, 5/8" x 1" ch, no Water Cushion, 2 hrs. WTS, Rec. 200' salt water cut drlg mud. SIP 0#, SHFP 250#, 15 min SIP 2125#, HH 4050 in & out.

#9 11-[illegible]-55 7973-8073 Undetermined Formation, open hole, 5/8" x 1" ch, no Water Cushion, 2 hrs, 2 Pkrs, WTS. Rec 710' of drlg mud + 6419' of salt water. SIP 0#, SHFP 2700-2850# 30 min SIP 2850#, HH 4400 in & out.