Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Section 24

LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 060420
LEASE OR PERMIT TO PROSPECT Capps-Federal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Company Address P.O. Box 633, Midland, Texas
Lessor or Tract Capps-Federal Field Bough State New Mexico
Well No. 3 Sec. 24 T. 9 S R. 35E Meridian N.M.P.M. County Lea
Location 660 ft. {N/S} of N Line and 1980 ft. {E/W} of E Line of Section 24 Elevation 4112 Est. (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed R.T. GERMAN
Date December 14, 1956 Title DIVISION SUPERINTENDENT

The summary on this page is for the condition of the well at above date.

Commenced drilling September 18, 1956 Finished drilling November 20, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 9514 to 9530 No. 4, from to
No. 2, from 9614 to 9620 No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 20 to 160 No. 3, from 990 to
No. 2, from 510 to 750 No. 4, from 1060 to 1118

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4	32.75	8 RT	H 40	426					
7 5/8	26.40	8 RT	J 55	4138					
7 5/8	24.00	8 RT	H 40	3331					
5½	17.00	8 LT-L	S 80	2701					
5½	17.00	8 RT	N-80	2922					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	426	400	Circ.		
7 5/8	4138	1460	Circ.		
5½	9625	150	Pump & plg.	———	———

FOLD | MARK

PLUGS AND ADAPTERS

Heaving plug—Material ——— Length ——— Depth set ———
Adapters—Material ——— Size ———

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
———	———	———	———	———	———	———
———	———	———	———	———	———	———

TOOLS USED

Rotary tools were used from 0 feet to 9625 feet, and from ——— feet to ——— feet
Cable tools were used from ——— feet to ——— feet, and from ——— feet to ——— feet

DATES

, 19 Put to producing Nov. 20, 1956

The production for the first 24 hours was 199 barrels of fluid of which % was oil; % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 48

If gas well, cu. ft. per 24 hours ——— Gallons gasoline per 1,000 cu. ft. of gas ———

Rock pressure, lbs. per sq. in. ———

EMPLOYEES

Magnolia Petroleum Co., Driller , Driller
P.O. 633, Midland, Texas, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2171	2292	121	Anhydrite
2292	2630	338	Salt
2630	2761	130	Salt
2761	3490	729	Yates
3490	4035	545	Queen
4035	5460	425	San Andres
5460	6855	395	Glorietta
6855	7650	795	Tubb
7650	8880	1230	Abo
8880	9597	717	Perm-o-Penn
9597	9625	28	Bough "C"

SUMMARY

9-18-56 Spudded
9-19-56 WOC on 10-3/4" Casing on btm. Cemented w/400 sx. Circ.
9-27-56 WOC on 7-5/8" Casing on btm. w/1460 sx. Circ.
10-3-56 DST San Andres 4760-4830' 1½ hrs. 5/8 X 1" ch. No WC. Nothing to surface. Rec. 275' sl. oil & gas cut mud, no water.
10-5-56 Down 24 hrs. repairing crown blk.
11-19-56 Coring from 9580' Rec. 40' lime & shale. sh. oil 9558-72'. DST Bough "B" 9553-9580' 1 hr. 5/8 X 1" ch. no WC. Gas to surf. 12 min. 62.6 MCF gas per day. Rec. 60' oil-cut mud, 4000' free oil, Gty. 43.6 SFP 10#. BHFP 580#. 30 min. BHSIP 500#.
11-20-56 Cored 9580-9613' Rec. 37'. Show oil 9595-9601' & 9607-9613' Rec. 37' Lime & shale. show oil 9595-9601' & 9607-9613'.

FROM— TO— TOTAL FEET [OVER] FORMATION 16—43094-8

11-21-56 Drill Stem Test Bough C 4594-9613' 3 hrs. 18 min. 5/8" X 1" Ch. No. WC. Gas to surf. 5 min. Mud in 63 min. oil to surf. 68 min. Clean to pits 10 min. fl. 25 BNO 2 hrs. 1" ch. GOR 2300/1 Gty. 48.2 SFP 15# - 40#. b y heads. BHFP 640#. 30 min BHSIP 2320#.
11-22-56 Ran Elec. logs & 5½" c g. to be cem. on btm.
11-23-56 WOC 5623' 5½" liner on btm w/150 sx. top liner 3995'. Survey top cement @ 3135'. Set ret. @ 3931'. Cem. over top of liner w/300 sx. Max. press. 1400#.

11-26-56 9625 T.D. Corrected TD 9625 from 9618'. Drilled out plug & cem in 5½" liner to 9624' PB. TD. Circ. to oil. Perf. 5½" liner 9604-9619. w/4 shots per ft. Ran tbg & pkr. sw. 40 BLO 10 hrs. sl.sh. gas 100' FIH. Lack 1BLO.

11-27-56 9625' TD. Acidized perf. 9604-9619' with 500 gals. T.P. 1700-2000#. Swb 38 BLO 2 hrs. all On pot. test, flow 116 BNO 12 BW 10 hrs. T.P. 100-450#. 13/64" ch.

11-28-56 From perf. 9604-9619', pot. test flow 199 BNO 24 hrs. thru 13/64" ch. GOR 1366/1 Gty 48. Allow 148 BOPD. Est. CAP. 199 BOPD. Completed 11-26-56 Rig released 11-27-56

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.