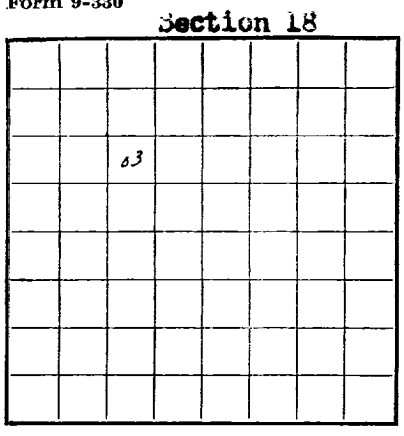
Form 9-330

Bu Bureau No. 42-R355.4.
Ap. l expires 12-31-60.

Section 18



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 060978
LEASE OR PERMIT TO PROSPECT Jacobs-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 Jacobs-Federal Field Milnesand-Bough State New Mexico
Well No. 3 Sec. 18 T. 8-S R. 35-E Meridian N.M.P.M. County Roosevelt
Location 1980 ft. {N./S.} X of S Line and 1980 ft. {E./W.} of E Line of Sec. 18 Elevation 4238 DF
(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 Steve N. Mayfield

Date February 5, 1958 Title STEVE N. MAYFIELD Division Superintendent

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

Commenced drilling November 28, 1957 Finished drilling February 2, 1958

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 9177 to 9189 No. 4, from ********** to **********
No. 2, from ********** to ********** No. 5, from ********** to **********
No. 3, from ********** to ********** No. 6, from ********** to **********

IMPORTANT WATER SANDS

No. 1, from ********** to ********** No. 3, from ********** to **********
No. 2, from ********** to ********** No. 4, from ********** to **********

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	8RT	Repub.	430'					Surface
7-5/8	26.40	8 RT	Spang	4920'					Intermediate
5-1/2	17	8 RT	Spang	3078'			9177	9189	Oil String.
5-1/2	15.5	8 RT	Linef	1436'					" "

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	430	400	Pump & Plug		
7-5/8	4720'	1950	Pump & Plug		
5-1/2	4514'	500	Pump & Plug		

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 9273' (9271 PBTD) feet, and from 0 feet to 0 feet
Cable tools were used from 0 feet to 0 feet, and from 0 feet to 0 feet

DATES

Potential Completed ********** 19**
Completed Feb. 4, 58 Put to producing February 4, 58

The production for the first 24 hours was 172 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment.

Gravity, °Bé. 49 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
Magnolia Petroleum Company
Rig #55 Driller ********** Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION (TOPS)
2120	2214	94	Anhydrite
2214	2555	341	Base Salt
2555	2637	82	Top Salt
2637	3329	692	Yates
3329	3828	499	Queen
3828	4543	715	San Andres
4543	6652	2109	Glorieta
6652	7492	840	Tubb
7492	8557	1065	Abo
8557	9173	616	Penn
9173	9220	47	Bough "B"
9220	9271	51	Bough "C"

PERFORATIONS

Perforations: 9177-9189', 9253-9263'.

POTENTIAL TEST

Potential test from perf. 9177-9189'. flow 172 BNO 24 hrs. 11/64" ch. GOR 1360:1, Gty. 49, Allowable 140 BOPD. TP-650#. Completed 2-2-58. Rig released 2-3-58.

SUMMARY

11-28-57 Spudded
11-29-57 WOC on 10-3/4" Surface casing on bottom. with 400 sx. Circ.
12-11-57 Prep. to DST San Andres 4540-4600'. Cored 4550-4600'. Fair show oil and salt water from 4555-4577' and 4589-4600'. DST San Andres 4540-4600' 2 hrs. 5/8 X 1" ch. No WC. Rec. 210' drilling mud with gas cut sul. water. SFP 0#. BHFP 130#. 30 minutes. BHSIP 355#.

[OVER]

16—43094-4

12-26-57 Down 46 hrs for X-Mas.
1-17-58 Cored 9172-92'. Rec. 17'. Poor to fair show 9175'-89'. in Bough "B".
1-20-58 Coring Limer Bough "B". Cored 9192-9225' Bough "B". Rec. 32' lime & shale. very poor show fluroscemce from 9207-9212 & 9222-9224'. DST 9166-9225' Bough "B". Pkr failed. Dst 9159-9225' Bough "B" 2 hrs. 5/8" X 1" ch. No WC. Gas to surf. 7 min. Rate of 67 MCF per day. Rec. 1443' free oil. no water. Gty. 43.3. SFP 0 #. BHFP-435#. 30 minutes. BHSIP2910#. Top bough "B" 9222', 11' high to Reffliefinger #1.
1-21-58 Prep. to DST 9251-9268'. Bough "C". Cored 9225-9268'. Rec. 33' fair show 9256-9258.
1-22-58 Ran Elec. Logs 7 hrs. to run 5½" Liner. DST Bough "C" 9251-9268' 2 hrs. 5/8" X 1" Ch. Gas to surface 8 minutes. Est. 89.44 MCF per day. Rec. 90' heavily oil & gas cut mud. 2610' free oil, no wtr. Gty. 43. SFP 0#. BHFP 205#.-520#. 30 min BHSIP 2730#.
1-23-58 Running 5½" Liner.
1-24-58 WOC 4514' of 5½" Liner on btm with 200 sx. top Liner @ 4759'. Survey top of cem @ 7905'. Set ret. @ 4670'. Pump in top Liner 3 B M at 2000#. Sq. over top of liner with 300 sx. TP-2500#. WOC
1-27-58 Drilled out retainer @ 4670'. Tested top of liner @ 4769'. 2200# for 30 min. Drilled out squeeze plug in 5½" liner 9271' PBTD. Ran Gamma Ray Neutron Log and perf. 5½" Liner 9253-9263'. Ran tbg & Pkr.
1-28-58 Swabbed all load oil 8 hrs. Swabbed 5 BNO 5 hrs. Fair show gas. Swb dry 1 hr. Acidized with 1000 Gals. TP-5000#. Sw. 86 BNO 3 hrs. Kicked off and flowed 20 BNO 18 BAW 2½hrs. 24/64" Ch. TP-125 #. Lack 6 BAW. Prep. to Pot.
1-29-58 From perf. 2953-63' after 1000 Gals acid. swab 84 BNO 4 BAW 13 hrs. on 20/64" ch. TP-125#. to 0#. to 75#. Lack 2 BAW. Reacidized with 2000 gals. TP-5400#. Swabbed all load oil 3 hrs. Swab 6 BNO 28 BAW 5 hrs. Kicking behind swb.
1-31-58 From perf. 9253-63' after 2000 Gals acid. Acid swab 42 BNO 7 hrs. Good show gas. Reacid. with 5000 Gals. TP*5300-6000#. Swabbed all load oil 2 hrs. Swab 21 BNO 62 BAW 12 hrs.
2-4-58 On Potential test from perf. 9177-9189 flow 172 BNO 24 hrs. 11/64" ch. GOR 1360/1. Gty. 49. Allow. 140 BOPD. TP-650#. Completed 2-2-58.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

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.