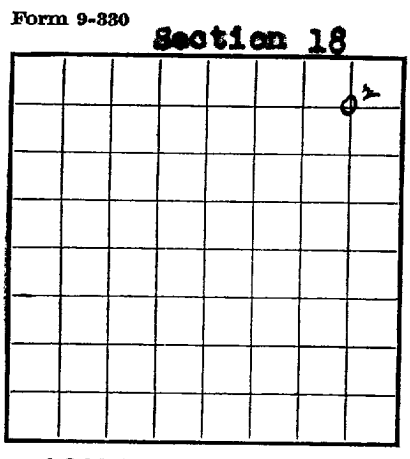
Form 9-330

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

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 067761
LEASE OR PERMIT TO PROSPECT Childers-Federal

Section 18



LOCATE WELL CORRECTLY

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 Childers-Federal Field Allison Penn State New Mexico
Well No. 2 Sec. 11 T. 9S R. 36E Meridian N.M.P.M. County Lea
Location 660 ft. {N./S.} of N Line and 660 ft. {E./W.} of E Line of Section 11 Elevation 4056 (Ext)
(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 April 6, 1956 Title Division Superintendent

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

Commenced drilling January 10, 1956 Finished drilling March 20, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

9714' Plug Back
9719' Total Depth

Bough "C"
No. 1, from 9698' to 9719' (TD) 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 NONE 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	H40	426'					
7-5/8"	24	8RT	J55	4230'					
7-5/8"	26.40	8RT	J55	4276'					
5-1/2"	17	X-Line	J55	5268'					
5-1/2"	17	X-Line	N80	2422'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	435'	425	Pump & Plug	1.3	Approximately 50 barrels
7-5/8"	4221'	1300	Pump & Plug		
5-1/2"	9719'	200 Bottom	Pump & Plug		
		300 Top	Squeeze		

MARK
FOLD

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
		SEE SUMMARY OF OPERATIONS				

TOOLS USED

Rotary tools were used from 0 feet to 9719 feet, and from ---- feet to ---- feet
Cable tools were used from ---- feet to ---- feet, and from ---- feet to ---- feet

DATES

April 6, 1956 Put to producing March 27, 1956

The production for the first 24 hours was 308 barrels of fluid of which 75 % was oil; 0 % emulsion; 25 % water; and 0 % sediment. Gravity, °Bé. 44 API

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 Company Driller ----, Driller
----, Driller ----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2222	2306	48	Anhy.
2306	2832	526	Salt
2832	3538	706	Yates
3538	4097	559	Queen
4097	5537	1440	San Andres
5537	6943	1406	Glorretta
6943	7730	787	Tubb
7730	8998	1268	Abo
8998	9627	629	Permo Penn
9627	9659	32	Bough "A"
9659	9698	39	Bough "B"
9698	9719 (TD)	21	Bough "C"

SUMMARY OF OPERATIONS

1-10-56 Spudded
1-11-56 At 435', set 10-3/4" casing on bottom, cement w/425 Sx., Circulated.
1-12-56 Tested 10-3/4" casing with 200# for 30 min. before and after drilling plug, tested OK, No break.
1-20-56 At 4221', set 7-5/8" casing on bottom, cemented w/1300 Sx., Circulated.
1-22-56 Tested 7-5/8" casing with 1000# for 30 min. before and after drilling plug, tested OK, No break.
1-26-56 DST San Andres 4990-5090', open 1 hr., 5/8" X 1" ch. No Water Cushion. Nothing to surface. Recovered 5' drilling mud. All pressures 0#.
3-6-56 DST Permo Penn. 9000-9050', open 1 hr, 5/8" X 1" ch. No Water Cushion. Nothing to surface. Recovered 20' drilling mud, no shows. SFP 0#. BHFP 30#. 15 min., BHSIP 30#.
3-20-56 Cored 9677-9719', recovered 42' Lime & Shale. Vuggy Porosity. Stain & Fluorescence 9692-9695'. 10% Vuggy Porosity, good stain & Fluorescence 9702-9706'. Poor show 9713-9717'.
3-21-56 DST Bough "C" 9675-9719', open 3 hrs, 5/8" X 1" ch. No Water Cushion. Gas to surface 6 min, 80 MCFPD. Recovered 1000' Heavily oil cut mud, 1000' Free Oil, Gravity 47, 100' Salt Water. SFP 8#. BHFP 695#. 30 min., BHSIP 2995#.
3-22-56 Ran Elec. Logs. Set 5668' of 5-1/2" Liner on bottom (9719') w/200 Sx Cement. Top of Liner @ 4051'. Temp. Survey top cement @ 8026'. Set DM Retainer @ 3950'. Cemented over top of liner @ 4051' w/300 Sx. Max. pressure 2000#.
3-24-56 Tested 5-1/2" Liner on bottom, 9719', with 1500#, 30 min., tested OK, No break. Tested top of 5-1/2" Liner w/1500#, 30 min., tested OK, No break.
3-26-56 Drilled out plug & cement in 5-1/2" Liner to 9714' (Plug Back Total Depth). Ran Elec. Logs.
3-27-56 Perforated 5-1/2" Liner 9698-9714' with 4 Shots Per Foot. Ran tubing & packer. Swab 37 bbls load oil in 5 hrs. Swab dry 1 hr. Acidized with 500 gals. Tubing Pressure 5400-1200#. Swab 25 bbls load oil in 1 hr. Flow 60 bbls new oil, 12 bbls acid water in 1 hr. on 22/64" ch. Flow 60 bbls new oil, 31 bbls salt water in 7 hrs on 19/64" ch. Tubing Pressure 570-490#.
3-28-56 On Potential Test, from perforations 9698-9714', flow 231 bbls new oil, 77 bbls salt water in 24 hrs on 19/64" ch. GOR 1385-1. Gravity 44. Allow 155 bbl oil per day. Est. capacity 231 bbls oil per day. Tubing Pressure 570-290#.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET [illegible]	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]

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.