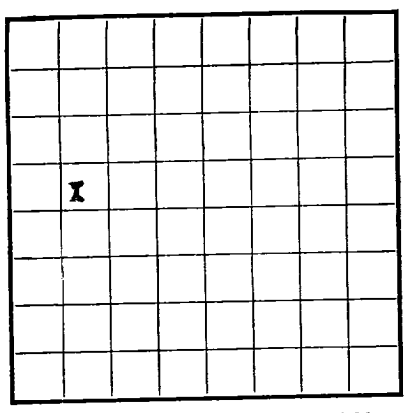
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Lea Crucas
SERIAL NUMBER NM-02848
LEASE OR PERMIT TO PROSPECT

HOBBS OFFICE O. C.
1958 SEP 23 PM 2 43

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Texas Company Address Box 352, Midland, Texas
Lessor or Tract R. O. Chapman Federal Field Wildcat State New Mexico
Well No. 1 Sec. 12 T. 8-S R. 35-E Meridian NMPM County Roosevelt
Location 1980 ft. {N./S.} of N Line and 660 ft. {E./W.} of W Line of Section 12 Elevation 4188' (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 [signature]
Title Asst. Dist. Supt.

Date September 22, 1958

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

Commenced drilling May 18, 19 58 Finished drilling July 22, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

Drilled with rotary tools and no water sands tested.

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
13 3/8	48#		Sale	369'					
9 5/8	36#		[illegible]	9736'			9237'	9246'	Production
9 5/8	36#		[illegible]	9736'			9282'	9330'	Production
5 1/2	17#		Sale	9598'			9508'	9536'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	384'	400	HOWCO		
9 5/8	4036'	2000	HOWCO		
5 1/2	9618'	350	HOWCO		

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 9809 feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

____, 19____ Put to producing ____, 19____

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

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

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

R. B. Stewart, Driller J. W. Dennis, Driller
[illegible], Driller B. J. Kincaid, Driller
[illegible] Bill Johnson, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	388	388	Surface & Red Bed
388	2236	1848	Redbed
2236	3435	1199	Redbed & Anhy
3435	3460	25	Anhy
3460	3665	205	Anhy & Shale
3665	3760	95	Anhy
3760	3923	163	Anhy & Shale
3923	3984	61	Anhy
3984	4085	101	Dolomite
4085	4270	185	Lime & Sand
4270	4665	395	Lime
4665	4776	111	Lime & Sand
4776	4860	84	Lime & Shale
4860	4915	55	Lime
4915	5193	278	Lime & Shale
5193	5242	49	Lime
5242	5388	146	Lime & Sand
5388	5400	12	Lime
5400	5582	182	Lime, Sand & Shale
5582	5697	115	Lime
5697	6465	868	Lime & Shale
6465	6543	78	Lime
6543	7257	714	Lime & Shale
7257	7273	16	Lime
7273	7495	222	Lime & Shale
7495	7526	31	Lime
7526	7562	36	Lime & Shale

FOLD | MARK

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION	
7562	8264	702	Shale	Top anhy-1990
8264	8280	16	Dolomite & Shale	Top yates-2692
8280	8522	242	Lime	Top San Andres-3894
8522	8564	42	Lime & Chert	Top Glorieta-5314
8564	8591	27	Lime	Top Tubb -6713
8591	8637	46	Lime & Chert	Top Wolfcamp-8779
8637	9406	769	Lime	
9406	9564	158	Lime & Shale	
9564	9569	5	Lime	
9569	9809	240	Lime & Shale	
	9809		TOTAL DEPTH	
	9578		PB DEPTH	

All measurements from rotary table or 12' above ground level.

DST#1 Tested from 4675' to 4860'. Recovered 800' drlg mud, initial hydro shut in 2425, final hydro 2425'. Initial flow 140 lbs. Final flow 460 lbs. Closed in 1785 lbs & 1315 lbs. Job comp 11:10 A.M. 6-1-58.

DST#2 Tested from 9200' to 9360', 30 min initial shut in, tool open with weak blow increasing to good blow, gas to surface in one hour & ten min. Left tool open 3 hours & shut in for 30 min build up, recovered 1000' water blanket 270' of heavy oil & gas cut mud and 1260' of free oil, 90' of oil below T.C. valve no water. Final 2465, Hydro in, 5075 out & 4590 initial flow 675, final 1190. Complete at 12:15 PM 7-12-58.

DST#3 Tested from 9360' to 9410', 30 min initial shut in. Tool opened with weak blow and died in 8 mins, waited 20 min, and started light blow for one hour and died. Left tool open two hours and shut in for 30 min. build up. Recovered 810' of gas cut drlg mud. Initial shut in none Final 2000, hydro press in 5090, out 5090'. Initial flow 685, final 1315. Completed at 4:50 PM 7-15-58.

DST#4 Tested from 9410' to 9569' 30 min initial shut in. Tool opened with no blow. Tool open 30 min, closed and re-opened tool with same results. Open 30 min and by-passed tool. Packer failed, after 2nd opening, recovered 1000' water blanket and 450' of drlg mud.
Due to by-passing tool and packer failure Hydro press in 5190, out 5160.
Initial flow 495, final flow 520.
Complete at 4:20 PM 7-18-58.

DEVIATION RECORD

102'	1°
300'	1°
900'	1°
1325	1°
2092'	1°
3050'	1 1/2°
3430	1°
4515'	1°
5090'	1°
5160'	3/4°
5482'	3/4°
6114'	1 1/2°
6310'	1°
6465'	3/4°
6663'	3/4°
6781'	1°
6870'	1°
7912'	3/4°
8300'	1°
8715'	3/4°
8780'	1°
9040'	2°
9130'	2 1/2°
9520'	3°
9569'	2 3/4°
9720'	2 1/2°
9809'	2 1/2°

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.

R.O. Champeau Federal Well No. 1

Well was drilled to a total depth of 9809' where 5 1/2" casing was set at 9610'. Cement was drilled out to a plug back depth of 9578'. Perforated 5 1/2" casing from 9508' to 9536' with four jet shots per foot. Washed casing perforations with 500 gals mud acid followed with 2000 gals regular acid. Acidized perforations with 5000 gals. Perforated 5 1/2" casing from 9282' to 9330' with four jet shots per foot. Acidized perforations 9282'-9330' with 500 gals mud acid followed with 1000 gals reg acid. Acidize perforation 9282'-9330' with 5000 gals 15% low surface non-emulsion acid. Perforate 5 1/2" casing from 9232 to 9246' with four jet shots per foot. Acidize perforations 9232'-9246' with 500 gals mud acid. Squeeze perforations 9232'-9246' with 100 sacks Trinity Inferno. Pump all cement away. No result. Squeeze stage 2 with 100 sx with maximum pressure of 5500#. Drill out and tested 30 minutes. Results O.K. Treat casing perforations 9508'-9536' with 100 gals controlflow chemical in 48 bbls crude. Treat perforations 9508'-9536' with 100 gals controlflow chemical. Place on pump. Pumping load oil. Pull rods. Acidize casing perforations 9508-9536 and 9282-9330 with 100 gals controlflow, 48 bbls lease crude and followed with acid.

On 24 hr Potential Test pumped 16 bbls oil and 12 bbls water GOR-1470, Gravity 42.4, Production from Casing perforations. Top Pay-9237' Bottom Pay-9536' Wildcat Penn. Complete test 6:00 AM September 23, 1958.