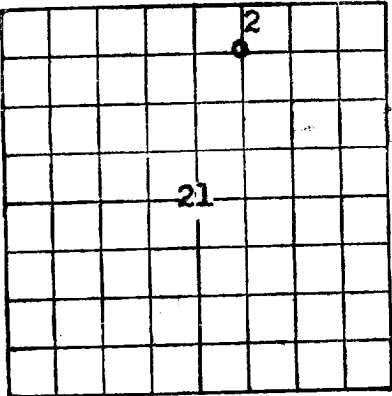


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 030181 (b)
LEASE OR PERMIT TO PROSPECT Lease
Estimate # 7076

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company The Texas Company Address Box 1720, Fort Worth, Texas
Lessor or Tract H. G. Moberly (b) Field Rhodes Area State New Mexico
Well No. 2 Sec. 21 T 26S R 37E Meridian N.M.P.M. County Lea
Location 660 ft. {S.} of N Line and 1980 ft. {W.} of E Line of Section 21 Elevation 2988'
(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.

Date October 27, 1941

Signed [Signature]
Title District Superintendent

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

Commenced drilling 7-15-, 1941 Finished drilling 9-24-, 1941

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3105' to 3125' (G) No. 4, from _____ to _____
No. 2, from 2991' to 3040' (G) 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		Purpose
							From	To	
10-3/4	40.75	8-V	Smls. & L.W.	1123'	Reg. Pat.				
7"	24	8-R	Smls. & L.W.	3075'	Baker Guide		3000	3040	Incr. Gas

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	1129'	300	Halliburton		
7"	3080'	240	Halliburton		

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
		Liquid Nitro	40 qts.	9-29	3136-3118	3141'

TOOLS USED

Rotary tools were used from 0 feet to 3115' feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3115' feet, and from _____ feet to _____ feet

DATES

Put to producing October 11,, 1941

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 1,940 MCF Gallons gasoline per 1,000 cu. ft. of gas ---

Rock pressure, lbs. per sq. in. 515

EMPLOYEES

N. E. Russell, Driller L. E. Botkin, Driller
O. C. Roberts, Driller _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	34	34	Sand & sandy yellow clay
34	310	276	Sand & red rock (water sands: 80-87, 145-150)
310	325	15	Hard brown sand
325	375	50	Grey lime and shale breaks
375	528	153	Sand and blue shale (water sands: 375-395, 425-440)
528	1047	519	Red Rock
1047	1080	33	Anhydrite
1080	2705	1625	Anhydrite and salt
2705	2753	48	Grey lime and anhydrite
2753	2810	57	Grey lime
2810	2863	53	Grey shale and lime
2863	2887	24	White sand

(OVER)

USCS (2)
NMCC (1)
H.C. Jr (6)
SRL (1)
L118 (1)

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, 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. This well was drilled to a total depth of 3141' in search of oil. No penetrated zone showed oil in commercial quantity and the well was plugged back to 3141' with gravel and two lead plugs (one at 3230' & the other at 3141'). 9-26-41. The well was shot w/40 qts. of liquid nitro from 3136' to 3118', 9-29-41. Prior to shooting, the well tested 1,300 MCF/24 hrs. of dry sweet gas. Shooting increased this to 1,940 MCF/24 hrs. An upper zone, 2991' to 3040', tested 878.45 MCF/24 hrs of dry sweet gas and the 7" gas. was perforated, 10-9-41, from 3000' to 3040' w/75 shots to produce this gas also. No apparent increase was noted after the perforating and the well continued to test 1,940 MCF. (H₂S content - 0.3 grains/100 cu ft.)

HISTORY OF OIL OR GAS WELL

FROM	TO	TOTAL FEET	FORMATION
2887	2915	28	Grey lime
2915	2959	44	Broken grey lime and sand
2959	3007	48	Grey lime
3007	3022	15	Sand (gas show)
3022	3047	25	Brown sandy lime
3047	3108	61	Grey lime
3108	3118	10	Blue shale and lime
3118	3139	21	Grey lime
3139	3155	16	Blue shale and sand
3155	3336	181	Grey lime & sand breaks
3336	3350	14	Broken brown lime and shale
3350	3374	24	Grey lime
3374	3395	21	Broken brown lime
3395	3415	20	Grey lime
3415	3415	274	(plugged back)
3415	3141		Total depth
DEVIATION TESTS			
500' - 1/20			
1000' - 2-3/4"			
1790' - 2-1/4"			
2000' - 1-1/4"			
3025' - 1-1/2"			