

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **032579 (e)**
LEASE OR PERMIT TO PROSPECT **Lease**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Westates Petroleum Corporation Address P. O. Box 1381 - Jal, New Mexico
Lessor or Tract Federal Field Langlie Mattix State New Mexico
Well No. 2 Sec. 26 T. 25R. 37E Meridian N.M.P.M. County Lea
Location 990 ft. N. of S Line and 990 ft. W. of E Line of Sec 26 Elevation 3037

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 August 26, 1955 Signed J. G. Benton Title Division Superintendent

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

Commenced drilling June 15, 19 55 Finished drilling July 4, 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by Φ)

No. 1, from T.A. 835'	to	No. 4, from T. Yates	xx	2295'
No. 2, from T.S. 975'	// Approx.	No. 5, from T. Queen	xx	2975'
No. 3, from B.S. 2155'	to	No. 6, from Levellie	xx	3098'

IMPORTANT WATER SANDS

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

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	2184'	100 sks Nest around	Bottom - Halliburton		
		300 sks 4% Gel D.V.	Collar 851'	Halliburton Cmt. to surface	
5-1/2	3090'	250 sks	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

TOOLS USED

Rotary tools were used from 0 feet to 3279 T.D., and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 26, 1955 Put to producing Tested: July 22, 1955

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

If gas well, cu. ft. per 24 hours O.F. Pot. 32,000 ^{1,000 MCF} gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ~~REXX~~ 835# C.H.P. Wellhead Potential 6,800 MCF

EMPLOYEES

T. E. Bingham, Driller
C. F. Keel, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	740	740	Red Rock
740	879	139	Red Rock & Anhydrite
879	1147	268	Anhy. & Salt Streaks
1147	1281	134	Anhy. & Salt
1281	1398	117	Anhy. & Salt Streaks & Gyp.
1398	1796	398	Anhy. & Salt
1796	1956	160	Anhy. 4
1956	2165	209	Anhy. & Salt
2165	2185	20	Anhy.
2185	2250	65	Anhy. & Gyp.
2250	2350	300	Anhy.
2350	2698	348	Anhy & Gyp.
2698	2753	55	Anhy.
2753	2822	69	Anhy. & Lime & Gyp
2822	2872	50	Anhy. & Gyp.
2872	2980	108	Anhy. & Lime 4 44
2980	3009	29	Anhy. & Lime & Gyp
3009	3037	28	Anhy. & Lime
3037	3279	242	Lime
	T.D.		

ILLEGIBLE

ILLEGIBLE

FORMATION RECORD—Continued

[illegible]

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 abandoned, 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 balling.

Spudded June 15, 1955, making 11" rotary hole to 2185'. Set 2172' of 8-5/8"

274# - J-55 - 8rd. T. & C. new location coming at 2184, on June 21, 1955. Co-

mented with 100 sacks nest cement around bottom using Halliburton float collar

and guide shoe with one contact finger. Connected with 300 sales 4% Rel through

Halliburton D.V. collar at 851.46' from surface. Circulated cement to top.

Drilled cement at end of 36 hours making 7-7/8" rotary hole. Tested csg. with 1000# pressure for 1 hr. without loss of pressure before drilling cement. D11-

Red 7-7/8 rotary hole to 2980'. Reduced hole to 4-3/4" and drilled to 3120'. by

Reversal situation.

D.S.T. No. 1; Packer at 2968' - T. D. 3160', Tool open 1 hr. - opened with strong

blow - gas and mud to surface in 10 min. Est. volume 2,000 M.C.F.P.D. I.F.Press.

357, P.S.I. - P.F. Press, 322 P.S.I. - Closed-In Press, 30 min., 898 P.S.I. Returned

Note to 7-7/8". Drilled 4-3/4" rotary hole from 3120' to 3279'. I.B. by reverse circ.

San P.G.A.C. Gamma-Ray - Neutron log to surface fr. T.D. Set and contd. 3080' of 52"

76# J-55 Brd. T&C emls. new IST. Rg. 2 casg. at 3090'; Paper T&I-plex cement shoe

and flow collar. 150 sks 4% gel and 100 sacks neat, total 250 7-4-55. Run temp. survey and found cement top 2280'. Drilled out cement 7-6-55. Tested csg. with 1000# for 30 min without loss before drilling cement. Washed formation with 250 gal mud acid & sandfraced Dowell method, using 10,000 gal petro-gel & 10,000 lbs. sand 7-8-55. Began flowing 7-9-55. Flowed 30 hrs. at estimated rate of 5,000MCF and spray of oil following recovery of only 85 bbls lead oil. Shut in. KI Paso Natural Gas tested July 22, 1955. O. F. 32,000 MCF. C.M.F. 835# Wellhead potential 6,800MCF.