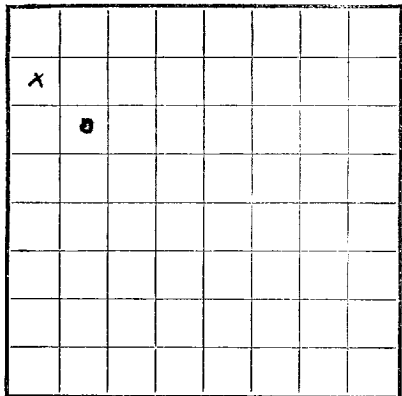




U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032579 (e)
LEASE OR PERMIT TO PROSPECT Lease

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, N.M.
Lessor or Tract Carlson B 1 Field Langlie Mattix State New Mexico
Well No. 2 Sec. 1 T. 25S R. 37E Meridian N.M.P.M. County Lea
Location 1650 ft. N of N Line and 660 ft. E of W Line of Section 1 Elevation 3129
(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 J. E. Benton

Date June 15, 1955 Title Division Superintendent
The summary on this page is for the condition of the well at above date.

Commenced drilling March 13, 19 55 Finished drilling May 27, 19 55

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

No. 1, from Top Anhy. to 938' No. 4, from Top Queens to 3112'
No. 2, from Base Salt to 2230' No. 5, from Top Langlie to 3220'
No. 3, from Top Yates to 2365' 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—	
8-5/8	32#	8	Nat'l	1122.70	Plain				Surface
8-5/8	24#	8	Nat'l	546.43	Plain				Surface
5-1/2	14#	8	YBT	3397'	Baker Whirler				Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	980'	500	Halliburton		
5-1/2	3407'	300	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 3407 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

April 26, 19 55 Put to producing April 27, 19 55

The production for the first 24 hours was 147.84 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 800/1 Est. Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. F. Keel, Driller T. E. Bingham, Driller
R. W. Henson, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	60	60	Sand & Caliche
60	300	240	Red Bed
300	856	556	Red rock & sand
856	965	109	Red rock & anhy.
965	1040	75	Anhy.
1040	2230	1190	Anhy. & Salt. - Base of Salt
2230	2265	35	Anhy.
2265	2369	139	Anhy. & Gypsum
2369	2401	32	Anhy. & Shale
2401	2571	170	Anhy. & Shale
2571	2603	32	Anhy. & Gyp. & Shale
2603	2814	211	Anhy. & Gyp.
2814	2849	35	Anhy. & Gyp. & Lime
2849	2952	103	Anhy. & Gyp.
2952	2983	31	Anhy. & Gyp. & Lime
2983	3038	55	Lime & Gyp.
3038	3072	34	Lime
3072	3117	45	Anhy. & Lime
3117	3411	294	Lime <u>1/2</u> - Total Depth

[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 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 balling.

Spudded March 13, 1955, making 11" rotary hole. Set 96% of 8 5/8 casing at

9801: 422.701 of 8 5/8" 32# J-55 CSR. and 546.43' of 8 - 5/8" 24# J-55 CSR. Committed

using 400 sacks cement around bottom and 100 sacks cement from top, total 500 sks.

Tested csg. with 1000# pressure with no loss for 30 minutes. Drilled out making 7 7/8"

• J. D. Love et al. Author

HAN PG-V.C. GEORGE HAY-NEUTRON LOG FROM T. D. TO SURFACE. SET 3397 OF NEW 5-2

17# J 55, 8rd T & C SMLS. cng. at 3407'. Cemented with 300 sacks cement, 200 sacks

4- get and 100 sacks neat, Halliburton method, shoe and lost collar. Tested csg.

with 1000# pressure with no loss for 30 minutes. Perforated casing at end of 12

hours cement time from 3240-50'; 3258'-66'; 3272-76'; 3308-18'; 3338-3358 1/2 3 shaft

per foot. Sandraced using 20,000 gal frac oil and 20,000 pounds sand. Did not

produce any new oil. But spinner survey - Dowell method. Determined fluid loss

above 3300'. Ram packer to 3300'. Sandrased using 10,000 gal. Free oil and

10,000 gal sand, produced 120.18 bbls. in 19 hours 30 minutes with packer set at

33004.