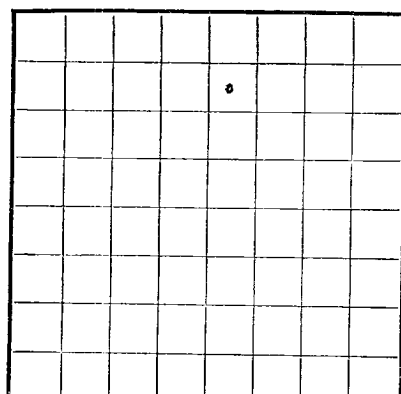


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032579 (e)
LEASE ~~EXCELSIOR~~ TO PROSPECT XUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company WESTERN PETROLEUM COMPANY Address 391 Sutter St.; San Francisco, Calif.
Lessor or Tract Carlson B 13 Field Langbe-Mattix State New Mexico
Well No. 2 Sec. 13 T. 25SR 37E Meridian N.M.P.M. County Lea
Location 990 ft. XX of N Line and 2310 ft. EX of E Line of Sec 13 Elevation 3095
(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. B. Benton
Date May 13, 1955 Title Div. Supt.

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

Commenced drilling March 30, 1955 Finished drilling April 15, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from Top Yates to 2393' No. 4, from _____ to _____
No. 2, from Top Queen to 3252' 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—	
<u>8-5/8</u>	<u>24#</u>	<u>8</u>	<u>Met'l</u>	<u>826</u>	<u>Plain</u>				
<u>5-1/2</u>	<u>14#</u>	<u>8</u>	<u>YST</u>	<u>3389</u>	<u>Baker Whirlor</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>837</u>	<u>350</u>	<u>Halliburton</u>		
<u>5-1/2</u>	<u>3392</u>	<u>250</u>	<u>Halliburton</u>		

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 _____ feet to 3392 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing April 22, 1955The production for the first 24 hours was 357.02 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and 2% sediment. Gravity, °Bé. _____If gas well, cu. ft. per 24 hours 1800/1 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

T. E. Bingham, Driller B. W. Hensen, Driller
H. D. Higgins, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>35</u>	<u>35</u>	<u>Sand & Caliche</u>
<u>35</u>	<u>182</u>	<u>147</u>	<u>Red Bed</u>
<u>182</u>	<u>733</u>	<u>551</u>	<u>Red bed & Sand</u>
<u>733</u>	<u>820</u>	<u>87</u>	<u>Red Bed</u>
<u>820</u>	<u>842</u>	<u>22</u>	<u>Anhy.</u>
<u>842</u>	<u>900</u>	<u>58</u>	<u>Anhy. & Gyp.</u>
<u>900</u>	<u>950</u>	<u>50</u>	<u>Anhy. & Gyp.</u>
<u>950</u>	<u>2250</u>	<u>1300</u>	<u>Anhy. & Salt (Base salt 2250')</u>
<u>2250</u>	<u>2350</u>	<u>100</u>	<u>Anhy.</u>
<u>2350</u>	<u>2985</u>	<u>635</u>	<u>Anhy. & Lime</u>
<u>2985</u>	<u>3119</u>	<u>134</u>	<u>Gyp. & Lime</u>
<u>3119</u>	<u>3392</u>	<u>273</u>	<u>Lime & sandy lime</u>

[OVER]

16-42094-3

FORMATION RECORD (Continued)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
		10	CLAY
		100	CLAY
		200	CLAY
		300	CLAY
		400	CLAY
		500	CLAY
		600	CLAY
		700	CLAY
		800	CLAY
		900	CLAY
		1000	CLAY
		1100	CLAY
		1200	CLAY
		1300	CLAY
		1400	CLAY
		1500	CLAY
		1600	CLAY
		1700	CLAY
		1800	CLAY
		1900	CLAY
		2000	CLAY
		2100	CLAY
		2200	CLAY
		2300	CLAY
		2400	CLAY
		2500	CLAY
		2600	CLAY
		2700	CLAY
		2800	CLAY
		2900	CLAY
		3000	CLAY
		3100	CLAY
		3200	CLAY
		3300	CLAY
		3400	CLAY
		3500	CLAY
		3600	CLAY
		3700	CLAY
		3800	CLAY
		3900	CLAY
		4000	CLAY
		4100	CLAY
		4200	CLAY
		4300	CLAY
		4400	CLAY
		4500	CLAY
		4600	CLAY
		4700	CLAY
		4800	CLAY
		4900	CLAY
		5000	CLAY
		5100	CLAY
		5200	CLAY
		5300	CLAY
		5400	CLAY
		5500	CLAY
		5600	CLAY
		5700	CLAY
		5800	CLAY
		5900	CLAY
		6000	CLAY
		6100	CLAY
		6200	CLAY
		6300	CLAY
		6400	CLAY
		6500	CLAY
		6600	CLAY
		6700	CLAY
		6800	CLAY
		6900	CLAY
		7000	CLAY
		7100	CLAY
		7200	CLAY
		7300	CLAY
		7400	CLAY
		7500	CLAY
		7600	CLAY
		7700	CLAY
		7800	CLAY
		7900	CLAY
		8000	CLAY
		8100	CLAY
		8200	CLAY
		8300	CLAY
		8400	CLAY
		8500	CLAY
		8600	CLAY
		8700	CLAY
		8800	CLAY
		8900	CLAY
		9000	CLAY
		9100	CLAY
		9200	CLAY
		9300	CLAY
		9400	CLAY
		9500	CLAY
		9600	CLAY
		9700	CLAY
		9800	CLAY
		9900	CLAY
		10000	CLAY

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 "disconnected" 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.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

Spudded March 30, 1955, making 11" rotary hole to 842'. Set and cemented 826' of 8-5/8" 24# J-55, and 1 & C New NAT-1 C.M.S. csg. at 837' with 350 sacks of cement, 300 sacks with 4 1/2 gal and 50 sacks neat, Halliburton method, guide shoe and float collar, April 1, 1955.

Tested casing before and after drilling plug, April 3, 1955, and drilled ahead making 7-7/8" rotary hole to 939 1/2'. L. B. WATER SANDS.

Set and cemented 3360' of 5-1/2" 14.00#, J-55, and 1 & C, new TST S.M.S. casing at 3392', using 150 sacks 4 1/2 gal and 100 sacks neat cement, Halliburton method Centralizers each 120' from bottom to top of tubes sand, Baker Whittier guide shoe and float collar, April 15, 1955.

Ran North Well Temperature survey finding top cement at 2230'.

Tested casing with 1,000 p.s.i. for 30 min. with no loss of pressure. April 18 1955. Displaced fluid with crude oil.

Perforated casing from 2252-56; 3244-70; 3276-80; 3291-3300; 3342-50; 4 shots per foot using Dowell GG24 gun. Attempted to sandfrac. Formation would not break at 3800#. Spotted 250 gal. mud acid opposite perforations April 19, 1955. Sandfraced using 15,000 gal free oil and 15,000 lbs. graded sand April 20, 1955.

Well on production April 22, 1955 made 357.02 B.O.P.D., 20/64" choke choke C. O. B. est. 1800/l.

-T/OBT-180-8-0-9