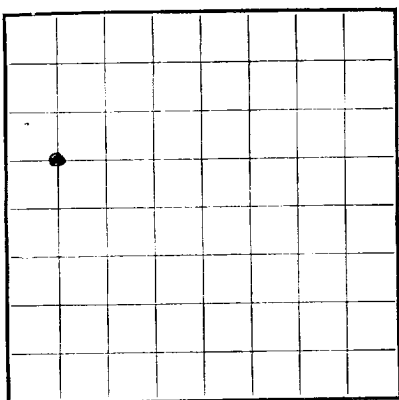


U. S. LAND OFFICE
SERIAL NUMBER NM 0034 C
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Wilshire Oil Company of Texas Address 301 Leggett Bldg., Midland, Texas
Lessor or Tract Federal 20-39 Field Wildcat State New Mexico
Well No 12-30 Sec. 30 T20-S. R. 39-E Meridian NM County Lea
Location 1982 ft. N. of N. Line and 650 ft. E. of W. Line of Sec. 30 Elevation 3579
(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

Date August 10, 1954Title Div. Petroleum Engineer

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

Commenced drilling 4-30, 1954 Finished drilling 5-16, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5948 to 7120 No. 4, from _____ to _____
No. 2, from 7048 to 7418 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>13 3/8</u>		<u>8</u>		<u>353</u>	<u>Texas</u>				<u>surface</u>
<u>9 5/8</u>		<u>8</u>		<u>1150</u>	<u>Float</u>		<u>7430</u>	<u>7530</u>	<u>BBQ</u>
<u>7</u>		<u>8</u>		<u>7550</u>	<u>Float</u>		<u>7248</u>	<u>7418</u>	<u>Oil</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8</u>	<u>353</u>	<u>300</u>	<u>HOWCO</u>	<u>9.6</u>	<u>-</u>
<u>9 5/8</u>	<u>4490</u>	<u>1550</u>	<u>BJ</u>	<u>9.9</u>	<u>-</u>
<u>7</u>	<u>7550</u>	<u>300</u>	<u>HOWCO</u>	<u>9.6</u>	<u>-</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 surface feet to 5481 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

8-9, 1954 Put to producing 8-8, 1954

The production for the first 24 hours was 291 barrels of fluid of which 97% was oil; 3% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 37.5

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

G. E. Mallard, Driller G. D. Meredith, Driller
Lewis Ashby, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	350	350	surface sands and shale
350	1350	1300	redbeds
1350	2950	1300	anhy and salt
2950	3070	120	Yates
3070	3530	460	Seven Rivers
3530	3970	440	Queens
3970	4320	350	Grayburg
4320	5620	1300	San Andres
5620	6060	440	Glorietta
6060	6610	550	Clearfork
6610	7140	530	Tubbs
7140	7600	460	Wichita Albany
7600	7950	350	Wolfcamp
7950	8260	310	Devonian
8260	8630	370	Fusselman
8630	8920	290	Montoya
8920	9230	310	Simpson
9230	9525	295	McKee
9525	9550	25	Joins
9550	9650	100	Ellenburger
9650	9680	30	Granite Wash
	T. D.		

(OVER)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HISTORY OF OIL WELL

4-25-54 Spudded w/ cable tools
4-30-54 Moved in Rotary Tools
5-1-54 Cmtd. 13 5/8" casing at 303' w/ 300 sms. cmt.
Cement circulated to surface
5-2-54 Tested casing before and after drilling plug w/ 1500 psi. No loss in pressure before drilling plug, slight loss after, but no surface indications.
5-8-54 DST # 1 3056-3188 Rec. 105' HGCM 810' gas
5-9-54 DST # 2 3070-3190 Rec. 105' HGCM 270' gas
5-10-54 DST # 3 3199-3390 Rec. 120' sli GCM
5-20-54 DST # 4 4300-4350 Rec. 50' GCM
5-21-54 DST # 5 4350-4436 Rec. 150' GCM
5-22-54 DST # 6 4436-4497 Rec. 180' Hv GCM
5-22-54 Set 9 5/8" & 4490' w/ 1500 sms. Top Cement at 29'
5-24-54 Tested casing w/ 1000 psi before and after drlg. plug- tested o.k.
5-25-54 DST # 7 4519-79 Rec. 240' GCM
5-2-54 DST # 8 5039-5120 Rec. 30' sli GCM
5-5-54 DST # 9 5520-5613 Rec. 300' sli O&GCM SIP 775
5-6-54 DST # 10 5500-78 Rec. 65' GCM w/ sli sh oil
5-7-54 DST # 11 5678-5780 Rec. 30' GCM w/ rainbow oil
5-9-54 DST # 12 5950-5982 Rec. 160' Hv GCM & 80' O&GCM SIP 2270
5-10-54 DST # 13 5978-7098 Rec. gas in 54 min. 100' Hv GCM & 840' Hv O&GCM, SIP 1800
5-12-54 DST # 14 7310-7350 Packer stuck - No recovery
5-15-54 DST # 15 7280-7380 Rec. 30' sli GCM & 180' Hv GCM SIP 975
5-21-54 DST # 16 7980-8020 Rec. 90' SWCM, 180' MCSW & 530' sulf water SIP 2925
5-24-54 DST # 17 8284-8342 Rec. 380' MCSW, 1155' sulf water SIP 1950
7-3-54 DST # 18 8870-8900 Rec. 10' GCM
7-8-54 DST # 19 9215-44 Rec. 180' MCSW, 805' SW SIP 3075
7-9-54 DST # 20 9342-83 Rec. 300' MCSW & 1850' SW SIP 2125

(continued below)

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.

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16-43084-2

HISTORY OF OIL OR GAS WELL

7-12-54 DST # 21 9480-9512 Rec. 70' drlg. mud
7-13-54 DST # 22 9536-49 Rec. 5' drlg. mud
7-14-54 DST # 23 9552-9643 Rec. 210' MC salt water, 1770' salt water
SIP 3650
7-16-54 Spotted 50-sa. cement plugs at the following intervals:
9549-9681; 9230-9364; 8580-8712 and 8250-8382
7-16-54 Ran 7" 23 N-80 casing to 7550 and cemented w/ 300 sms.
7-18-54 Tested casing w/ 1000 psi for 30 minutes o.k. No loss in pressure
7-19-54 Perf. 7 3/4" casing (and washed w/ 500 gal mud acid. Recovered 100 gal. show of oil w/ considerable water.
7-20-54 to
7-30-54 Attempting to shut off water. IP to 7450 testing -
8-3-54 Squeezed, perf. 7 3/4" and 7 1/2" w/ 150 sms. cement.
Final and max. pressure 5000 psi
8-5-54 Drilled out cement to 7395 and tested w/ 1000 psi for 30 minutes o.k.
Drilled out cement to 7425 and tested w/ 1000 psi for 30 minutes o.k.
8-7-54 Perf. 7" casing 7248-7266, 7275-7285, 7294-7324, 7330-7350, 7358-7418.
Ran 2" tubing w/ packer set at 7100'
Treated perfs w/ 750 gal mud acid. Swabbed well and started flowing. Flowed to clean up and placed on potential 8-8-54.
8-8-9-54 NM Potential Test
Flowed 291 BO in 24 hours 3/4" choke 1145/1 GOM; Gravity 37.5 API

FORMATION RECORD

FORMATION RECORD

FORMATION

TOTAL FEET

TO

FROM

FORMATION RECORD-Continued