

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Richardson & Bass Address Fort Worth, Texas
Lessor or Tract Federal-Josephina Redm Field Wildcat State New Mexico
Well No. 1 Sec. 27 T20-S R. 31-E Meridian NMPM County Eddy
Location 1900 ft. IX of N Line and 1900 IX of East Line of NE 1/4 Sec 27 Elevation 3536' IP
(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 March 19, 1955 Signed [Signature]
The summary on this page is for the condition of the well at above date.

Completed drilling March 19, 1955 at 1900 ft. IX of East Line of NE 1/4 Sec 27 Elevation 3536' IP
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OIL OR GAS SANDS OR ZONES

No. 1, from 5200' to 5000' (Denote gas by G)
No. 2, from 5000' to 4800'
No. 3, from 4800' to 4600'
No. 4, from 4600' to 4400'
No. 5, from 4400' to 4200'
No. 6, from 4200' to 4000'
No. 7, from 4000' to 3800'
No. 8, from 3800' to 3600'
No. 9, from 3600' to 3400'
No. 10, from 3400' to 3200'
No. 11, from 3200' to 3000'
No. 12, from 3000' to 2800'
No. 13, from 2800' to 2600'
No. 14, from 2600' to 2400'
No. 15, from 2400' to 2200'
No. 16, from 2200' to 2000'
No. 17, from 2000' to 1800'
No. 18, from 1800' to 1600'
No. 19, from 1600' to 1400'
No. 20, from 1400' to 1200'
No. 21, from 1200' to 1000'
No. 22, from 1000' to 800'
No. 23, from 800' to 600'
No. 24, from 600' to 400'
No. 25, from 400' to 200'
No. 26, from 200' to 0'

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
11-3/4"	42	8	J & L	665.16	Baker	None	None	None	Completion
8-5/8"	26	8	J & L	267.25	Baker	None	None	None	Completion
5-1/2"	17	8	J & L	272.00	Baker	None	None	None	Completion
2-3/8"	4.7	8	J & L	505.59	Baker	None	None	None	Completion

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
11-3/4"	662.46	450	Pump & Plug	10.3	Hole Full
8-5/8"	2692.00	725	Pump & Plug	10.7	Hole Full
5-1/2"	5785.00	685	Pump & Plug	10.1	Hole Full
2-3/8"	5705.59	Swag		9.1	Hole Full

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material SEE REMARKS FOR CEMENT PLUGS.

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
SEE REMARKS FOR ACID AND SANDFRAC JOBS.						

TOOLS USED

Rotary tools were used from 0' feet to 7600' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 19, 1955 Put to producing March 19, 1955

The production for the first 24 hours was 284 barrels of fluid of which 99% was oil; _____%
emulsion; _____% water; and 1% sediment. Gravity, °Bé. 31.2 at 60 deg.

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. W. Kirkland, Driller A. M. Bush, Driller
Carl Baker, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	46	46	Surface Sand & Caliche
46	364	318	Red Rock & Sand
364	657	293	Red Rock & Gyp
657	685	28	Anhydrite & Red Rock
685	809	124	Anhydrite & Red Shale
809	823	14	Anhydrite & Salt
823	1078	255	Anhydrite, Salt & Potash
1078	1880	802	Salt, Potash & Gyp
1880	2149	269	Salt & Anhydrite
2149	2347	198	Salt, Potash & Anhydrite Streaks
2347	2620	273	Salt & Anhydrite
2620	2791	171	Anhydrite & Gyp
2791	4911	2120	Lime
4911	5374	463	Lime & Shale
5374	6716	1342	Shale & Sand
6716	6971	255	Lime, Shale & Sand
6971	7445	474	Sand & Shale
7445	7600	155	Shale & Lime
	5751		(Total Depth) (Plug Back Total Depth)

FROM—

TO—

TOTAL FEET

[OVER]

FORMATION

16-43094-2

FORMATION RECORD—Continued

----- I case or pursuant to prospect
----- SERIAL NUMBER
----- U.S. LAND OFFICE

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LOCATE WELL CORRECTLY

[illegible][illegible]

OIL OR GAS SANDS OR ZONES

Well was drilled to a total depth of 7600'. - Run columnar logs. Spotted 189
the cement at 7593' and 100 lbs cement at 7600'. Top of cement plug at 5665'.
Run 6 1/2" casing & cemented w/ 5% salt water at 5751'. Drilled out cement to 5751'.
which is the back total depth.
5722' to 5751' w/ 1 jet more per ft. Cemented ID 5751'. Ran log Jan 2-3/8-00
from 5696' to 5699'.
ZnO from _____ to _____

Activities: Acidized w/ 500 gals 15% mud acid. Spotted acid over casing perforations
set spacer, pressure pumping to 10000' then to 1900'. Formation broke
2900' to 2600'. Completed chunk at 1900'. Injection rate 1.5 bbls per minute.

OIL OR GAS SANDS OR CONCRETE

It is of the slightest importance to have a complete history of the well. Please state in detail the sales and reasons for the work and its results. I have any changes made in the casing, size, depth, or diameter of the well, give the size, position, and disposition, and reasons for changing or balling of joints. If pipes or bridges were put in to test for water, state kind of material used, and disposition, and reasons for changing or balling of joints. If pipes or bridges were put in to test for water, state kind of material used, and disposition, and reasons for changing or balling of joints.

HISTORY OF OIL OR GAS WELL

Quantity	Item No.	Description of cement	Weight used	Weight of cement	Weight of sand used
11-3/4	10.3	10.3	10.3	10.3	10.3
8-1/2	10.7	10.7	10.7	10.7	10.7
5-1/2	10.1	10.1	10.1	10.1	10.1
5-1/2	8.1	8.1	8.1	8.1	8.1

PLUGS AND ADAPTERS

Adapters—2 (sterile)
Heaving plug—2 (sterile)
SRL REMAINS FOR IDENT. PURPOSES.

SHOOTING RECORD

Site	Material used	Equipment used	Quantity	Date	Project name	Depth of excavation
SEE DRAWING FOR ACID AND SANDING AREA.						

DEPT 2100

Rotary tools were used from	01	feet to	feet and from	feet to
(Alph) tools were used from		feet to	feet and from	feet to

DATE

March 19	March 19	March 19
1. The production for the first 24 hours was 288 tons of oil of which 22% was oil; 78% was water and 1% sediment.	2. Put to producing	3. 1000 cu. ft. of gas
4. Emission of gas per 1000 cu. ft. of gas	5. Gravity, 1.06	6. 21.2 at 60 deg.

REG-17-0029

Rolling		Roller	
Rolling		Roller	

09 JUL 1978 1601Z

FORMATION	TO -	FROM -
Shales lime	125	125
Sand & shale	141	141
lime, shale & sand	225	141
Shale & sand	135	141
lime & shale	163	141
lime	270	141
limestone & clay	171	141
Salt & anhydrite	273	141
Salt, Potash & anhydrite streaks	198	141
Salt & anhydrite	269	141
Salt, Potash & clay	805	141
Anhydrite, Salt & Potash	222	141
Anhydrite 1 Salt	11	141
Anhydrite & Red Shale	124	141
Anhydrite & Red Rock	28	141
Red Rock & Clay	293	141
Red Rock & Sand	318	141
Surface Sand & Gravel	16	141
(Total Depth)	125	125
(Ring Rock Total Depth)	125	125

FORMATION RECORD-Continued