

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

UNITED STATES

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company MWJ Producing Company Address 413 First Nat'l Bank, Midland, Texas
 Lessor or Tract Tidewater FE Field N. Hackberry Yates State New Mexico
 Well No. 3 Sec. 19 T. 19S R. 31E Meridian NMPM County Eddy
 Location 1650 ft. N of S Line and 330 ft. E of W Line of Section 19 Elevation 3417DF
 (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 R. Ken Williams
Date May 8, 1963 Title Vice-President

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

Commenced drilling 12-17-62, 1962 Finished drilling 1-17-63, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2006** to **2015** No. 4, from _____ to _____
 No. 2, from **2070** to **2076** 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	562	100	pump & plug		circulate
4-1/2	2208	240	pump & plug		circulate

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 _____ feet, and from _____ feet to _____ feet
Cable tools were used from **surface** feet to **2209** feet, and from _____ feet to _____ feet

DATES

_____, 19____

DATES

May 6 63

Put to producing _____, 19____

The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- % emulsion; **30** % water; and ----- % sediment. Gravity, °Bé. **29.2° API**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Southwestern, Inc.	Driller	Driller
Lovington, New Mexico	Driller	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	60	60	surface sand and caliche
60	250	190	red shale
250	260	10	sand
260	545	285	anhydrite
545	1750	1205	salt
1750	1955	205	anhydrite & lime
1955	2040	85	sand
2040	2060	20	lime
2060	2090	30	sand
2090	2170	80	lime & sand
2170	2209	39	dolomite _ Total Depth

[OVER]

16-48094-4

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HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 10-58084-2

FORMATION RECORD—Continued

SECRET