

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM-06401-A
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Southern Union Production Co. Address Fidelity Union Tower, Dallas, Texas
Lessor or Tract Federal Taylor Field West Henshaw State New Mexico
Well No. 4 Sec. 1 T. 16S R. 30E Meridian N.M. County Eddy
Location 3300 ft. N. of S. Line and 1980 ft. W. of W. Line of SI Elevation 3933' GL
(Derriek 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 February 4, 1963Title Exploration Engineer

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

Commenced drilling June 17, 1961 Finished drilling June 28, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3030 to 3060 G No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None 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>20</u>	<u>8rd</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>Surface</u>
<u>4 1/2</u>	<u>9.5</u>	<u>8rd</u>	<u>None</u>	<u>3077</u>	<u>None</u>	<u>Y2 None</u>	<u>3030</u>	<u>3060</u>	<u>Production</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>481</u>	<u>250</u>	<u>Pump & plug</u>	<u>8.3</u>	<u>200 bbls</u>
<u>9 1/2</u>	<u>3077</u>	<u>250</u>	<u>Pump & plug</u>	<u>8.5</u>	<u>150 bbls</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
<u>Fractured</u>	<u>4 w/29,400</u>	<u>glas lease curds & 40,000# sand.</u>				

TOOLS USED

Rotary tools were used from 0 feet to 3080 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

July 15, 1961 Put to producing July 16, 1961

The production for the first 24 hours was 30 barrels of fluid of which 100% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 200 mcf Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 150

EMPLOYEES

Ray Morrill Drig. Co., Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	95	95'	Surface, sand & red bed
95	440	345'	Red Bed
440	495	35'	Red Bed & Anhy
495	1186	691'	Anhy & Salt
1186	1554	368'	Salt, Anhy & Gyp.
1554	1716	162'	Anhy & Gyp.
1716	2210	494'	Anhy & Gyp.
2210	2545	335'	Anhy & Gyp.
2545	2658	113'	Anhy & Gyp
2658	2834	176'	Anhy & Lime
2834	3049	215'	Lime
3049	3080	31'	Lime & Sand - Total Depth

