

A blank coordinate grid consisting of a square area divided by horizontal and vertical lines into smaller squares. The horizontal axis is labeled 'x' at its right end, and the vertical axis is labeled 'y' at its top end. There are 8 major units along both the x and y axes.

U. S. LAND OFFICE ----- **1223 Gross**
 SERIAL NUMBER ----- **002376**
 LEASE OR PERMIT TO PROSPECT -----

RECEIVED UNITED STATES
DEPARTMENT OF THE INTERIOR
JUL 8 1958
GEOLOGICAL SURVEY
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED
JUL 7 1958
U. S. GEOLOGICAL SURVEY
ROSWEEL, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Slick Secondary Recovery Corp. Address 2008 National Bank of Commerce Bldg.
 Lessor or Tract Lane-Federal Field Red Hills State New Mexico
 Well No. 4 Sec. 29 T. 19S R. 30E Meridian N. M. P. M. County Eddy
 Location 990 ft. N. of S Line and 990 ft. E. of E Line of 29-19S-30E Elevation 3282.5
 (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 Harold Vaughan Jr.
Date July 1, 1938 Title Petroleum Engineer

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

Commenced drilling April 20, 19 58 Finished drilling May 9, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1651 to 1663 No. 4, from _____ to _____
 No. 2, from 1669 to 1683 No. 5, from _____ to _____
 No. 3, from 1693 to 1705 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

Size casting	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8	3230		Used	355'	T. P.	--	--	--	Surface string

MUDDING AND CEMENTING RECORD

[illegible]

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 1592 feet to 1715 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 1592 feet, and from _____ feet to _____ feet

DATES

_____, 19____ DATES Well temporarily capped -
 _____, 19____ Put to producing See below _____, 19____

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

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

D. F. Park -----, Driller **W. L. Trembley** -----, Driller
E. W. Hughes -----, Driller -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	30	30	Sand and mud
30	50	20	Red sand
50	75	25	Lime broken
75	90	15	Gyp & anhydrite
90	130	40	Gyp
130	180	50	Gyp & anhydrite
180	210	30	Red sand
210	245	35	Shale
245	270	25	Red shale
270	290	20	Anhydrite
290	295	5	Red sand
295	310	15	Shale
310	335	25	Red shale
335	555	220	Salt
555	580	25	Anhydrite
580	1055	475	Salt
1055	1103	48	Anhydrite
1103	1120	17	Broken anhydrite & salt
1120	1220	100	Salt
1220	1550	330	Anhydrite
1550	1565	15	Broken anhydrite
1565	1589	24	Sand & anhydrite
			Show of gas (1583-89)

FROM—	TO—	TOTAL FEET	FORMATION
			Above drilled with cable tools
			Ran drill pipe - actual depth 1592 - started casing
1592	1617	25	Anhydrite
1617	1624	7	Sandy dolomite
1624	1629	5	Core lost
1629	1640	11	Dolomite anhydrite
1640	1645	5	Shaly dolomite
1645	1651	6	Dolomite
1651	1653	2	Brn. sand, tte, fine-grained, show oil
1653	1657	4	Dolomite
1657	1663	6	Brn. sand, tte, fine-grained, oil saturation
1663	1669	6	Dolomite
1669	1683	14	Brn. sand, tte, fine-grained, oil saturation
1683	1693	10	Dolomite
1693	1694	1	Shaly sand
1694	1696	2	Sand, very tte, fine-grained, oil saturation
1696	1698	2	Dolomite
1698	1705	7	Dolomite sand, oil saturation
1705	1715	10	Shaly dolomite

T.D. 1715

HISTORY OF OIL OR GAS WELL

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 bailing.

Well cored from 1592 to 1715 - Cores analyzed by Core Laboratories, Inc.

Schlumberger Gamma ray-neutron log run.

Well temporarily capped and assigned to Estelle H. Yates and S. P. Yates as of June 15, 1958.