

[illegible]

UNITED STATES

SEP 15 1964 DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Neil H. Wills et al ✓ Address Drawer W Carlsbad, N. M.
Lessor or Tract Wills Field Russell State New Mexico
Well No. 40 Sec. 13 T. 20S R. 26E Meridian 1414 County Eddy
Location 1980 ft. N of N Line and 1310 ft. E of S Line of Sec. 13 Elevation 3253

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 2-2-11

Title_____

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

Commenced drilling 7-1-61, 1961 Finished drilling 7-20, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by $\mathcal{G}$)

No. 1, from £59 to £60 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 _____ to _____

No. 2, from _____ to _____

No. 3, 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
7	145	12	Ballston		
4 1/2	835	60	n		

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
3		Solidified	46 qts	7-20	837-860	861

TOOLS USED

Rotary tools were used from 0 feet to 801 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----9-4, 1961----- Put to producing -----9-3, 1961-----

The production for the first 24 hours was 24 barrels of fluid of which 75% was oil; -----% emulsion; 25% water; and -----% sediment. Gravity, °Bé. _____

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. C. Wilson, Driller
_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	200	200	Sand & red shale
200	200	00	typ & red shale
280	410	130	Gray lime & potash
410	500	90	Potash & anhyd
500	620	120	Salt & shale
620	640	20	Anhyd
640	826	186	Lime
826	861	35	Sand - oil show
		(Sample log over)	

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.

HISTORY OF OIL OR GAS WELL

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FROM-	TO-	TOTAL FEET	FORMATION
0	300	300	No samples
300	360	60	Red sand 50 Gyp 50
360	400	40	Red Beds 80 "
400	420	20	Gyp 75 Red beds 25
420	620	200	Salt 75 Red beds & sand 25
620	650	30	" 50 Anhyd 50
650	680	30	Anhyd 80 Red beds & sd 20
680	715	35	" 40 Dolo 40 Red beds 20
715	730	15	Red & gr sand 75 Anhyd 25
730	760	30	Dolo 60 Anhyd 20 Rd sd 20
760	800	40	" 40 " 40
800	810	10	Drk br Dolo 60 Anhyd 20 Rd sd 20
810	840	30	Anhyd 40 Dolo 40 Rd sd 20
840	861	21	Oil Sand

TD 861