

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Fred Brainard et al Address Box 368 Artesia, N. M.
Lessor or Tract Mary R. Brainard Field Wildcat State N. M.
Well No. 1 Sec. 19 T. 15 R. 29 Meridian N.M.P.M. County Chaves
Location 660 ft. [N] of N. Line and 660 ft. [E] of W. Line of Sec. 19 Elevation 3736
(Datum: 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 By Fred Brainard

Date January 16, 1956 Title Operator

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

Commenced drilling June 27, 1955 Finished drilling August 3, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1522-1528 to Oil show No. 4, from 1821 to 1826
No. 2, from 1663 to Show oil No. 5, from _____ to _____
No. 3, from 1715 to 1733 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 1528 to 1535 No. 3, from 1887 to _____
3/4 bailer per hr. filled up 400 ft.
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-	
8 5/8	28	10		284	Texas	Left in hole			
5 1/2	14	8		1810	Texas	386			See attached statement of testing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	284	25 sacks	15 sacks aquagel		
5 1/2	1810	125 sacks cement	(50% Posmix and 2% Calcium Chloride)		

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 0 feet to 1887 feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 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

A. F. Smith Drilling Co., Driller _____, Driller
Artesia, N. M.
A. F. Smith Driller, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
			SEE ATTACHED LOG

Drillers Log of
Fred Brainard et al
Mary R. Brainard Lease L.C. 067133

NE 1/4 Section 19 T. 15 S R 29 E. N.M.P.M.
Elev. 3736

284' of 8 5/8" 28# pipe with 25 sacks cement and 15 sacks aquagel
1810' of 5 1/2" 14 # casing with 125 sacks cement
(50% Posmix and 2% Calcium Chloride)

In plugging well left 8 5/8" casing in well
recovered 1386' of 5 1/2" casing

Well started June 27 1955
Well completed August 3 1955

Drilled by A. F. Smith Drilling Co.
Artesia N.M.

0 - 20	Caliche	1800 - 1405	Blue shale
20 - 55	Red sand	1405 - 1431	Anhy
55 - 72	" "	1431 - 1455	Anhy & Red Rock
72 - 100	Lime rock	1455 - 1468	Anhy
100 - 140	Red shale	1468 - 1472	Red Sand
140 - 160	Gyp & Anhy	1472 - 1489	Anhy
160 - 170	Red Shale	1472 - 1522	Anhy
170 - 200	Red shale & anhy	1522 - 1528	GRAY SAND
200 - 205	show salt	1528 - 1535	RED SAND
205 - 213	Anhy		Light show 1522-1528
213 - 460	SALT		Some water (salt) 1528-1535
460 - 500	Salt		TOP OF QUEN 1522
500 - 510	Anhy		1535 - 1544 Red Rock
510 - 638	Salt		1544 - 1585 Anhy
638 - 640	Anhy		1585 - 1599 Red Rock
640 - 650	Red Bed		1599 - 1601 Gray sandy lime
650 - 660	Anhy		1601 - 1606 Sandy lime
660 - 678	Red Bed		1606 - 1664 Anhy
678 - 688	Red Shale		1664 - 1673 Red Sand
688 - 759	Anhy		1673 - 1682 Red Sand
759 - 768	Gray Lime		Show OIL & Gas 1663
768 - 775	Lime & anhy		1682 - 1686 Anhy
775 - 795	Red Bed		1686 - 1688 Sandy Lime
795 - 812	Anhy		1688 - 1703 Anhy
812 - 890	Red Rock		1703 - 1715 Anhy
890 - 980	Anhy		1715 - 1733 Red Sand
930 - 963	Anhy		Show oil & Gas at 1715-1733
963 - 1075	Anhy		1733 - 1810 Red Sand
1075 - 1081	Red Rock		Show oil 1776-1782
1081 - 1125	Anhy		1810 - 1821 Anhy
1125 - 1128	White sand		Show oil 1821-1826
1128 - 1255	Anhy		1821 - 1826 Gray Sand
1255 - 1259	Red Clay		1826 - 1837 Red Sand
1259 - 1317	Anhy		Very soft 1832-1835
1317 - 1332	Red Rock		1837 - 1851 Anhy
1332 - 1335	Anhy		1851 - 1864 Red Rock and Anhy
1335 - 1348	Red Rock		1864 - 1873 Anhy
1375 - 1381	Anhy		1873 - 1887 Red Bed
1381 - 1387	Salt & anhy		SALT WATER 1887
1387 - 1396	" "		1887 TOTAL DEPTH

