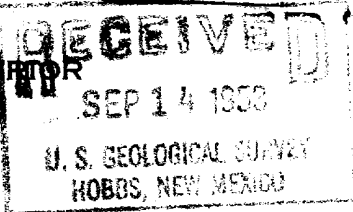


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Ohio Oil Company Address P. O. Box 2107, Hobbs
Lessor or Tract Federal Trigg A Field Wildcat State New Mexico
Well No. 1 Sec. 20 T13 S R. 33 E Meridian N M M County Lea
Location 660 ft. {N.} of N Line and 660 ft. {W.} of E Line of Sec. 20-13-33 Elevation _____
(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 L. H. Brown

Date September 11, 1953

Title Superintendent

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

Commenced drilling February 22, 1953 Finished drilling July 29, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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. 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—	
13-3/8	40	8	Smith	900	Ball	Surface			
9-5/8	26	8	Smith	1000	Ball	Surface			
5-1/2	17	8	Smith	900	Ball	Surface			
Tbg. 2-3/8	4.7	8	Smith	900	Ball	Surface			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	386	450	HOLCO		
9-5/8	4061	2150	"		
5-1/2	9784	2932	"		
2-3/8	9732 tbg.		torp. end		

PLUGS AND ADAPTERS

Heaving plug—Material cement Length _____ Depth set 9738

Adapters—Material _____ Size _____

ACID ~~SHOOTING~~ RECORD

DATE	Shot	Quantity	Date	Depth shot	Depth cleaned out
8-11-53	9590 - 9660	750 gal. mud acid			
8-12-53	9673 - 9677	7500 reg. 15% acid			
	9696 - 9718				

TOOLS USED

Rotary tools were used from surface feet to 13,570 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 11, 1953 Put to producing August 14, 1953

The production for the first 24 hours was 112 barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and 3 % sediment. Gravity, °Bé. 43.9 @ 86

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

T. A. Flippin, Driller Boyt B. Smith, Driller

Clifford P. Boone, Driller T. J. Collier, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	180	180	Caliche, sand & shale.
180	1650	1470	Sand & shale.
1650	2100	450	Anhydrite & shale.
2100	2500	400	Salt, anhydrite & shale.
2500	3950	1450	Anhydrite, shale, sand & salt.
3950	4870	920	Dolomite.
4870	5600	730	Lime & dolomite.
5600	7560	1960	Dolomite, anhydrite, shale & sand.
7560	9030	1470	Dolomite, shale & anhydrite.
9030	9629	599	Lime, shale, & chert.
9629	9641	12	Limestone.
9641	9642	1	Lime.
9642	9668	26	Limestone.
9668	9715	47	Lime & shale.
9715	9730	15	Limestone.
9730	10180	450	Lime & Shale.
10180	11050	870	Lime, shale & sand.
11050	11350	300	Lime, shale & chert.
11350	12600	1250	Lime, shale, & sand.
12600	12870	270	Lime & chert.
12870	13230	360	Lime.
13230	13275	45	Shale.
13275	13400	125	Dolomite.
13400	13570	170	Dolomite & chert.
LEON—	LO—	LOLYE EEL	LOBYVLOZ

(OVER)

FORMATION RECORD—Continued

1998年12月15日
 1998年12月15日

U. S. LAND OFFICE

SERIAL NUMBER

THESE OF THE

UNITED STATES

DEPARTMENT OF THE INTERIOR

GENERAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible][illegible][illegible]

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

I-18035-21

ALIBI AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Flowing plug - Material	Length	Depth set
Flowing plug - Material	Length	Depth set

SHOOTING RECORD

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

TOOLS USED

[illegible]

DATES

	put to produce	19
	particles of fluid which was oil;	06 power was

EMPLOYEES

[illegible]

FORMATION RECORD

[illegible]

Federal Trigg A, Well No. 1 Wildcat - Lea County, New Mexico

D. S. T. No. 1 - Tested from 9500' to 9541'. Tool open for 30 minutes. Weak blow of air for 10 min. and died. 3/4" BHC and 1" top choke. Recovered 1000' water blanket and 15' drilling mud. F.P. 0#, 15 min. S.I. 0#, hydrostatic pressure 5100#, water blanket 650#.

D. S. T. No. 2 - Tested from 9539' to 9629'. Tool open 2 hrs., fair blow thruout test. 3/4" BHC and 1" top choke. Gas to surface in 25 min. 15 min. shut. Recovered 500' water blanket and 570' of oil and gas cut drilling mud. F.P. 375#, 15 min. S.I. 2000#, hydrostatic pressure 5000#.

D. S. T. No. 3 - Tested from 9600' to 9641'. Tool open 70 min. 3/4" BHC and 1" top choke. Fair blow for the first 15 min. dying to a weak blow, 15 min. S.I. Recovered 1500' water blanket plus 45' of slightly gas cut drilling mud. F.P. 0#, 15 min. S.I. 3400#, hydrostatic pressure 5000#.

D. S. T. No. 4 - Tested from 9600' to 9642'. Tool open 3 1/2 hrs. 3/4" BHC and 1" top choke. Air immediately, strong blow after 3 min. continuing thruout test. Gas to surface in 70 min., packer leaking. Reset packer. Recovered 200' of 43.2 gravity oil and 1460' water blanket with 25% gas, oil & mud, and 1500' of slightly gas cut oil cut drilling mud. F.P. 0#, S.I. 0#, hydrostatic pressure 5000#, water blanket 900#.

D. S. T. No. 5 - Tested from 9584' to 9668, 1500' water blanket, 3/4" BHC and 1" choke. Tool open 9 min., strong blow immediately, packers failed to seat. Recovered 630' mud. Hydrostatic pressure 5000#. No test.

D. S. T. No. 6 - Tested from 9528' to 9668', 1500' water blanket, 3/4" BHC and 1" choke. Tool open 6 hrs., fair blow immediately, increased to strong blow in 25 min. Gas to surface in 90 min. at 2600 CFPPD, declining to TSTM. Recovered 1500' gas and oil cut water blanket (10% oil) and 990' heavily gas and oil cut mud (10-25% oil). F.P. 900# to 1200#, 30 min. S.I. 1900#, hydrostatic pressure 5050#, water blanket 900#.

D. S. T. No. 7 - Tested from 9644' to 9715', 1500' water blanket, 3/4" BHC and 1" choke. Tool open 4 hrs., air to surface immediately, increasing to strong blow in 20 min., gas to surface in 90 min. Blow started decreasing after 3 hrs. to fair blow at end of test. Recovered 1500' heavy gas and slight oil cut water blanket and 300' heavy gas and oil cut mud (10-25% oil), no water. Came out w/test tool. F.P. 0#, 30 min. S.I. 1650#, hydrostatic 4900# and water blanket 900#.

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Federal Trigg A, Well No. 1 Wildcat - Lea County, New Mexico

D. S. T. No. 8 - Tested from 13,285' to 13,390'. 5000' water blanket. 3/4" BHC and 1" choke. Tool open 1 hr. plus 15 min. S.I. Weak blow for 35 min., and died. Recovered 5000' water blanket and 45' drilling mud. F.P. 0#, 15 min. S.I. 3225#, hydrostatic 6575#, and water blanket 2350#.

D. S. T. No. 9 - Tested from 13,386' to 13,510'. 5000' water blanket. Tool open for 45 min. 15 min. S.I. 3/4" BHC and 1" top choke. Recovered 5000' water blanket plus 100' drilling mud. F.P. 0#, 15 min. S. I. 4450#, hydrostatic 6600# and water blanket 3225#.

D. S. T. No 10 - Tested from 13,510' to 13570'. 5000' water blanket. 3/4" BHC and 1" choke. Tool open 1 hr., weak blow of air for 5 min., and died. Recovered 5000' water blanket and 60' drilling mud. IFP 5250#, FFP 5375#, 30 min. S.I. 5375#, hydrostatic pressure in and out - 6875#, water blanket 3125#.

D. S. T. No. 11 - Tested 13,505' to 13,570'. 3/4" BHC and 1" choke. Tool open 2 hrs. 15 min. Strong blow of air immediately, declined to good blow after 60 min., died after 105 min. Recovered 5000# water blanket and 5440' of mud cut salty sulphur water, no gas or oil. IFP 3125#, FFP 4650#, 15 min. S.I. 4775#, hydrostatic pressure in and ou - 6850#.

Core No. 1 - 9629' to 9641' (12'), recovered 8-1/2', coring time 4 hrs., 10 min. Max. 35 min/ft. - minimum 14 min/ft. - avg. 18-20 min/ft.
9629 - 9637 1/2 - Fine xln. gray to gray-white limestone w/ green shale partings, thruout, slightly bleeding oil and gas, no noticeable porosity.

Core No. 2 - 9642' to 9668' - 100% recovery. Total coring time 8 hrs., 17 min. Max. time 38 min/ft. - minimum time 12 min/ft. - avg. time 19 min/ft.
9642'-46 1/2 - Limestone, gray dense to fine xln., sli odor, 10% dull fluor., light stain on fractures, sli stain, no visible porosity, no oil cut.

9646 1/2 - 49 - Limestone dark gray dense shaly, thin greenish gray shale, partings thruout. No porosity, stain or odor.
9649 - 56 - Limestone, gray dense to coarse xln., no odor, trace dull fluor., sli stain, no oil cut, trace inter xln. porosity.
9656-63 - Limestone, dark gray dense to fine xlnl, gray shale nodules thruout, sli odor and stain, trace of fluor., no oil cut.
9663-67 - Limestone, dark gray dense to fine xln., no odor, trace of fluor., sli stain, no porosity or oil cut.
9667-68 - Shale, dark greenish gray gummy.

1. The first part of the document is a letter from the President of the United States to the Congress, dated January 3, 1863. It is a very long letter, and it contains a great deal of information about the state of the country at that time. It is a very important document, and it is one of the most important documents in the history of the United States.

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Federal Trigg A, Well No. 1 Wildcat - Lea County, New Mexico

Core No. 3 - 9715' to 9730' - 100% recovery. Total coring time 8 hrs., 21 min. Max. time 48 min/ft. - minimum time 25 min/ft. - avg. time 34 min/ft.

9715-18 - Gray-white fine xln. limestone, scattered pinpoint to small vugular porosity, sli stain, bleeding oil and odor of gas, sli fluer.

9718-24 - Gray dense limestone, barren, w/shale partings.

9724-28 - Gray, green and red shale.

9728-30 - Gray to gray white, dense limestone, barren w/shale partings.

Perforations in 5½" casing - 9590 to 9660; 9673 to 9677; 9696 to 9718.

