

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYGEOLOGICAL SURVEY
RECEIVED
DEC 29 1939
Roswell, New Mexico

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Leo R. Manning et al Address Box 31, Carlsbad, N. M.
Lessor or Tract McCoy Permit Field Loco Hills State New Mexico
Well No. 1 Sec. 21 T. 18 R. 30 Meridian N.M.P.M. County DDY
Location 500 ft. {N} of N Line and 1650 ft. {E} of E Line of Section 21 Elevation 3463
(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 Leo R. ManningDate December 28, 1939

Title

The summary on this page is for the condition of the well at above date.
Commenced drilling October 19, 1939 Finished drilling December 19, 1939

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2568 to 2617 (show) No. 4, from _____ to _____
No. 2, from 3004 to 3012 No. 5, from _____ to _____
No. 3, from 3113 to 3133 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 60 to 100 No. 3, from _____ to _____
No. 2, from 345 to 375 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—	
7"	20#	8	Hester	2993	Float				shut off surface water production string
H210KA OF 610K CYS METT									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/2"	534	50	Halliburton		
7"	2993	100	Halliburton	mudded to surface	

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
5 1/2"	20'	Nitro Glycerin	80 lbs.	12/20/39	5110-3133	12020
5 1/2"	8'	Nitro Glycerin	20 lbs.	12/21/39	5004-3012	3068

TOOLS USED

Rotary tools were used from not feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3133 feet, and from _____ feet to _____ feet

DATES

Put to producing December 27, 1939
The production for the first 24 hours was _____ barrels of fluid of which 100% was oil: _____ %
emulsion: _____ % water; and _____ % sediment. Gravity, °Bé. 38

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas not knownRock pressure, lbs. per sq. in. not known

EMPLOYEES

W. D. Walker, Driller Doc Coleman, Driller
C. C. Hinson, Driller Earl Watson, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	30	30	Caliche
30	60	30	Red beds
60	100	40	Red beds (1/2 bailer water)
100	130	30	Red sand
130	215	85	Red beds
215	375	160	Water sand
375	380	5	Caving red sand
380	410	30	Red sandy shale
410	490	80	Red beds
490	530	40	Anhydrite
530	535	5	Red beds
535	565	30	Salt with anhydrite shells
565	660	95	Anhydrite and salt
660	740	80	Salt
740	770	30	Anhydrite and salt
770	780	10	Salt
780	830	50	Anhydrite and salt
830	900	70	Salt
900	915	15	Polynalite
915	925	10	Salt
925	960	35	Anhydrite and salt
960	1000	40	Salt and polynalite
1000	1125	125	Salt
1125	1140	15	Anhydrite
1140	1285	145	Salt
1285	1315	30	Anhydrite

(OVER)

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
1315	1325	10	Gray sandy shale
1325	1335	10	Gray sandy lime
1335	1495	160	Anhydrite
1495	1525	30	Anhydrite and brown shale
1525	1555	30	Broken anhydrite and shale
1555	1570	15	Sandy brown shale
1570	1590	20	Red shale
1590	1665	75	Broken anhydrite and red shale
1665	1715	50	Anhydrite
1715	1785	70	Anhydrite with red, gray, & brown shale
1785	1810	25	Anhydrite and brown shale
1810	1840	30	Anhydrite
1840	1900	60	Anhydrite and red shale
1900	1937	37	Anhydrite
1937	1955	18	White and gray lime
1955	1960	5	Broken anhydrite
1960	2130	170	Lime
2130	2175	45	Broken brown lime
2175	2180	5	Hard gray lime
2180	2210	30	Brown lime
2210	2320	110	Gray and blue lime
2320	2337	17	Lime and anhydrite
2337	2342	5	Blue sandy shale
2342	2350	8	Lime
2350	2365	15	Lime and anhydrite
2365	2384	19	Red and blue shale
2384	2390	6	Brown lime
2390	2440	50	Lime and anhydrite
2440	2480	40	Lime
2480	2565	85	Anhydrite and lime
2565	2617	52	Red sand (Show of oil and gas)
2617	2636	19	Brown sandy lime
2636	2643	7	Anhydrite and lime
2643	2691	48	Brown and gray lime
2691	2700	9	Lime and anhydrite
2700	2721	21	Gray lime
2721	2755	34	Lime and anhydrite
2755	2788	33	Brown lime
2788	2800	12	Red sand and shale
2800	2877	77	Gray lime
2877	2892	15	Broken sandy lime
2892	2907	15	Lime
2907	2931	24	Lime and red sand
2931	2943	12	Red sand
2943	2951	8	Red shale and anhydrite
2951	2973	22	Brown shale and anhydrite
2973	3004	31	Gray sandy lime
3004	3012	8	OIL SAND (2500' of oil in hole)
3012	3022	10	Sandy lime
3022	3038	16	Lime
3038	3052	14	Sandy lime and sand
3052	3088	36	Sandy lime and lime
3088	3096	8	Lime
3096	3102	6	Sandy lime
3102	3113	11	Lime
3113	3133	20	Sandy lime and porous lime (Increase in oil and gas)

HOODING AND CEMENTING RECORD

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.