

FORMATION RECORD—Continued

5625	5633	58	Coring (See Record of Cores & DST)
5683	5710	27	Shale
5710	5855	145	Shale
5855	6000	145	Shale
6000	6275	275	Shale
6275	6301	26	Shale
6301	6330	29	Coring (See record of Cores & DST)
6330	6345	15	Sand
6345	6406	61	Coring (See record of Cores & DST)
6406	6430	24	Coring (See record of Cores & DST)
6430	6451	21	Coring (See record of Cores & DST)
6451	6452	1	Sand
6452	6492	40	Sand
6492	6502	10	Coring (See record of Cores & DST)
6502	6512	10	Sand
6512	6532	20	Coring (See record of Cores & DST)
6532	6553	21	Coring (See record of Cores & DST)
6553	6590	37	Sand & Shale
6590	1900		Plug Back Total Depth

Well Plugged & Abandoned October 21, 1952 - See Plugging Record under
Well History

[illegible]

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 "mistracked" or left in the well, give its size and location. If the well has been dyanamited, 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 Plugged and Abandoned: Plug back from 1900' to 1700' with 175 8x Cement Sh86t off 5 1/2" casing from 1303'. Spot 25 sax Cement plug in top of 5 1/2" casing @ 1303'. Spot ~~25~~ Cement plug @ 600' to 500'. Spot 25 sax cement plug in bottom of 10-3/4" casing at 375'. Spot 10 sax cement in top of 10-3/4" casing at surface. Erect a 4' Monument.

FROM	TO	DRILL STILLS TESTS
1640	1710	Open hole 1 X 5/8" choke 3/4 hr, nothing to surface, rec. 360' drilling mud, initial flow press. 210#, final flow press. 220#, SI 15 min. closed in press. 400#, BH-820-790#, In and Out.
1798	1885	Pictured Cliff, open hole, 1 hr, 5/8" EHC & 1" SC, No WC, Rec., 270' drlg mud, no show, initial flow press. 225#, final flow press. 225#, SI 30 min, closed in press 600#. BH-675# in & out.
2900	2900	Cliff House, open hole, 1 hr, 5/8" EHC & 1" SC, NO WC, strong blow air throughout test, rec. 180' drlg mud, cut with slightly salty water, 45' slightly salty water, initial flow press. 210#, final flow press. 210#, SI 15 min. Closed in press 680#.
3030	3180	Cliff House, open hole, 1 hr, 5/8" EHC & 1" SC, No WC, nothing to surface, rec. 270' drlg mud, 90' slightly gas-cut drlg mud, 210' salt water, initial flow press 200#, Final flow press. 250#, SI 30 min, Closed in 725#.
3270	3370	Cliff House & Menefee, open hole, 40 min, 5/8" EHC & 1" SC, No WC, nothing to surface, rec. 810#, final flow press. 810#, SI 15 min, closed in press. 810#, BH 1600# in & out.
3240	3570	Menefee, Open hole, 1 hr, 5/8" EHC & 1" SC, No WC, nothing to surface, rec. 210' drlg. mud, initial flow press. 180#, final flow press 180#, SI 15 min, closed in press. 880#.
3570	3770	Menefee, open hole, 1 hr, 5/8" EHC & 1" SC, No WC, nothing to surface, fair blow of air, decreasing to weak blow, rec 310' drlg mud, no show, initial flow press 60#, final flow press 90#, SI 15 min, closed in press 800#.

DRILL STEM TEST CON'T

<u>Well</u>	<u>To</u>	
4210	4390	Mancos, open hole, 1½ hr, 5/8" BHC, 1" SC, No WC. Nothing to surface, rec 370' drlg mud, no show, 270' salt water cut drlg mud, initial flow press 10#, final flow press 190#, SI ½ hr. closed in press. 1380#, HH 2260# in & out.
5500	5526	Mancos, open hole, 1 hr., 5/8" BHC & 1" SC, No WC, nothing to surface, rec. 26' drlg mud, initial flow press 0#, final flow press. 0#, SI 15 min, closed in press 0#, HH 2950#, in & out.
5585	5625	Pocote, open hole, 1 hr., 5/8" BHC, 1SC, No WC. nothing to surface, rec. 180' drlg mud w/no show, 90' slightly gas cut mud, initial flow press. 0#, final flow press 100#, SI 15 min, closed in press 2175#, HH 2925# in & out.
6298	6345	Dakota & Green Horn, open hole, 1 hr, 5/8" BHC, 1" SC, No WC. Nothing to surface, rec 60' drlg mud, no shows, no press. record el.
6340	6400	Dakota, Open hole, 1 hr, 5/8" BHC, 1" SC, No WC, nothing to surface, rec 30' drlg mud, no show, SFP 0# BHFP 0#, SI 30 min. GIP 400#, HH 3100# in & out.
6399	6430	Dakota, open hole, 1 hr, 5/8" BHC, 1" SC, No WC, nothing to surface, rec 30' drlg mud, no show, SFP 0#, BHFP 0#, HH 3150# in & out.
6399	6451	Dakota, open hole, 1 hr, 5/8" BHC 1" SC, No WC, gas to surface 40 min, too small to measure, rec 180' of slightly gas cut drlg mud, SFP 0#, BHFP 150#-175#, SI 30 min, CIP 125#, HH 3100# in & out.
6450	6472	Dakota, open hole, 1 hr, 5/8" BHC & 1" SC, no WC, nothing to surface, rec. 20' drlg mud, no show, SFP 0#, bhfp 0#, SI 30 min. so SI press, HH 3200# in & out.
6477	6502	Dakota, open hole, 2½ hrs, 5/8" BHC & 1" SC, No WC; Nothing to surface, rec. 90' drlg mud, no show, 30' slightly gas cut drlg mud, SFP 0#, BHFP 0#, SI 15 min, 2300# CIP, HH 3175# in & out.
6476	6512	Dakota, Open hole, 2 hrs, 5/8" BHC, 1" SC, No WC, gas to surface in 1 hr 5 min, too small to measure, rec 4802' salt water & 30' gas cut drlg mud, SFP 0#, BHFP-2140#, SI 30 min, CIP 2515#, HH 3100#, in & out.
6530	6590	Morrison, open hole, 1 hr, 5/8" BHC & 1" SC, No WC. Nothing to surface, rec. 20' drlg mud, no show, all press. 0#, HH 3100# in & out.

FROM	TO	BLG	CORE RECORDS
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Core	Top	Bottom	Core Description
5570	5619	49'	No Description
5625	5645	20'	Shale, no show.
5647	5670	25'	Shale, no show.
5670	5710	41'	Shale, no show.
6301	6345	44'	6' fine grain gray to brown shaley qtz sand, 19' fine gr. white to gray qtz sand, 11' fine grain to med grain to brown limey qtz sand, 5' fine grain to med gray white to gray qtz sand w/scattered pin point blue flourance.
6345	6400	55'	15' fine grain light gray qtz sand w/shale stringers and scattered pin point blue flour., 5' fine grain, dark gray shaley light qtz flour., 2' black shale, 3' black shaley light to med. gray fine gray hard tight qtz sand, 3' black shale, 5' fine grain w/light gray qtz sand w/blk shale stringers, 1' coal.

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6400	6430	30'	1' Coal w/blk shale stringers, 2' fine grain light gray qtz sand w/trace of yellow flour., 2' fine grain qtz sand w/blk shale stringers, 3' shale w/stringers of fine grain dark gray qtzsand, 12' fine gray limey qtz sand w/blk shale stringers w/trace of yellow flour 9' blk shale w/many thin fine grain qtz stringers w/ trace of yellow flour.
6430	6451	21'	2' Fine grain gray qtz sand w/many thin black shale stringers, 5' fine grain gray qtz sand w/traces of blue flour., 2' coal w/blk shale stringers, 2' fine grain white hard tight qtz sand.
6452	6462	10'	1½' fine grain tan qtz sand w/ scattered flour. blue, 1½' very fine grain gray shaley qtz sand, 3' fine grain brown qtz sand, 4' fine grain gray shaley sand qtz.
6462	6472	10'	10' fine grain gray salty qtz sand w/many blocks shale sand.
6472	6492	10'	7' fine grain qtz sand, 3' black shale.
6482	6492	3'	1½' fine grain qtz sand, 6½' black shale.
6492	6502	9½'	3' fine grain gray qtz sand, 6' very coarse grain qtz sand w/frosted frit sand, ½' black shale.
6512	6532	20'	20' red white clean qtz sand no shale