

10-3/4"	40 lb	8		122'	Texas				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
10-3/4"	10-3/4"	122'	100	Halliburton	10 lbs	Filled hole.

PLUGS AND ADAPTERS

Heaving plug—Material..... Length..... Depth Set.....
 Adapters—Material..... Size.....

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment.....

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 2121 feet, and from..... feet to..... feet
 Cable tools were used from..... feet to..... feet, and from..... feet to..... feet

PRODUCTION

Put to producing....., 19.....
 The production of the first 24 hours was..... barrels of fluid of which.....% was oil;.....% emulsion;.....% water; and.....% sediment. Gravity, Be.....
 If gas well, cu. ft. per 24 hours..... Gallons gasoline per 1,000 cu. ft. of gas.....
 Rock pressure, lbs. per sq. in.....

EMPLOYEES

C. C. Stout....., Driller J. H. Meers....., Driller
 C. A. Loach....., Driller....., Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 7th day of October, 1946
 Myrtle McCroskey
 Myrtle McCroskey Notary Public
 My Commission expires June 1, 1947

Vernon, Texas, October 7, 1946
 Name G. M. Shanor
 Position Manager
 Representing Guy L. Waggoner, E. P. Waggoner & A. B. Wharton, Jr.
 Address Vernon, Texas.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20'	Surface, boulders & hard sand rock
20	35	15	Hard sand
35	45	10	Broken shale & sand
45	70	25	Red sand hard
70	80	10	Red sand
80	90	10	Broken sandy shale
90	105	15	Red rock, blue shale
105	122	17	Broken sandy shale
122	158	36	Shale & sand
158	200	42	Red rock and sand
200	290	90	Red shale
290	305	15	Red shale with green shale breaks
305	340	35	Green shale breaks
340	360	20	Red & blue shale & rock brks.
360	385	25	Sandy shale, hd.
385	431	46	Green shale, blue shale and sand
431	490	59	Grey shale, hard sand
490	520	30	Blue sandy shale
520	529	9	Hard red rock broken
529	550	21	Shale, sandy shale
550	575	25	Bentonite green
575	590	15	"
590	650	60	Green shale sand breaks
650	681	31	Sand & shale
681	700	19	Hard sand
700	705	5	Shale (blue)
705	724	19	Hard sand
724	752	28	Sand and green shale
752	783	31	Hard sand & shale
783	801	18	Hard sand
801	842	41	Sand & shale
842	876	34	Sand & red & green shale
876	920	44	Sand & red & blue shale
920	940	20	Sand
940	955	15	Sand & shale
955	1022	67	Anhydrite
1022	1037	15	Red shale
1037	1050	13	Broken Anhy
1050	1098	48	Green shale, sand breaks
1098	1130	32	Broken shale
1130	1131	1	Crevis
1131	1135	4	Sand rock
1135	1145	10	Dolomite
1145			
1155	1159	4	Hard sand (Dolomite)
1159	1179	20	Sand hard
1179	1184	5	Broken sand
1184	1239	55	Hard sand
1239	1312	73	Broken sand
1312	1351	39	Sand
1351	1364	13	Hard sand
1364	1380	16	Brkn sand
1380	1407	27	Sand & lime
1407	1437	30	-
1437	1451	14	Broken sand & shale
1451	1494	43	Sand & shale
1494	1517	23	Red rock
1517	1539	22	Red rock & sand
1539	1566	27	-
1566	1632	66	Red rock
1632	1663	31	Red rock sandy
1663	1713	50	Red rock
1713	1720	7	Red & blue shale

1312	1351	39	Hard
1351	1364	13	Hard sand
1364	1380	16	Brkn sand
1380	1407	27	Sand & lime
1407	1437	30	-
1437	1451	14	Broken sand & shale
1451	1494	43	Sand & shale
1494	1517	23	Red rock
1517	1539	22	Red rock & sand
1539	1566	27	-
1566	1632	66	Red rock
1632	1663	31	Red rock sandy
1663	1713	50	Red rock
1713	1720	7	Red & blue shale
1720	1743	23	Anhy & Dolomite brks.
1743	1768	25	Broken Anhy & shale
1768	1780	-	-
1780	1820	40	Anhy & shale red
1820	1853	33	Sandy shale, red & blue, with anhy breaks
1853	1873	20	Red rock
1873	1900	27	-
1900	1941	41	Brkn formation gyp, gravel, shale (granite wash)? Show of gas 1937'
1941	1994	53	Granite Wash
1994	2022	28	Granite wash lime(gas bubbles on pit 1995-2002)
2022	2080	58	Granite wash
2080	2100	20	Shale, gyp, silate, granite wash
2100	2114	14	Granite wash
2114	2132	18	Granite wash, hard
2132	2148	16	Granite wash
2148	2158	10	Hard granite wash
2158	2171	13	Granite Wash
	2171		T. D.

SECTION OF DRILLING LOGS
 TO THE DEPT. OF THE INTERIOR
 BUREAU OF GEOLOGICAL SURVEY
 WASHINGTON, D. C.
 1937

The following is a summary of the results of the drilling operations conducted at the site of the proposed gas well, No. 1, during the period from August 1, 1937, to August 31, 1937. The well was drilled to a depth of 2,171 feet. The lithology of the well is as follows:

0 to 39 feet - Hard
 39 to 13 feet - Hard sand
 13 to 16 feet - Brkn sand
 16 to 27 feet - Sand & lime
 27 to 30 feet -
 30 to 14 feet - Broken sand & shale
 14 to 43 feet - Sand & shale
 43 to 23 feet - Red rock
 23 to 22 feet - Red rock & sand
 22 to 27 feet -
 27 to 66 feet - Red rock
 66 to 31 feet - Red rock sandy
 31 to 50 feet - Red rock
 50 to 7 feet - Red & blue shale
 7 to 23 feet - Anhy & Dolomite brks.
 23 to 25 feet - Broken Anhy & shale
 25 to - feet -
 - to 40 feet - Anhy & shale red
 40 to 33 feet - Sandy shale, red & blue, with anhy breaks
 33 to 20 feet - Red rock
 20 to 27 feet -
 27 to 41 feet - Brkn formation gyp, gravel, shale (granite wash)? Show of gas 1937'
 41 to 53 feet - Granite Wash
 53 to 28 feet - Granite wash lime(gas bubbles on pit 1995-2002)
 28 to 58 feet - Granite wash
 58 to 20 feet - Shale, gyp, silate, granite wash
 20 to 14 feet - Granite wash
 14 to 18 feet - Granite wash, hard
 18 to 16 feet - Granite wash
 16 to 10 feet - Hard granite wash
 10 to 13 feet - Granite Wash
 13 to - feet - T. D.