

DATE 1/20/56

THE OHIO OIL CO

HISTORY OF OIL OR GAS WELL

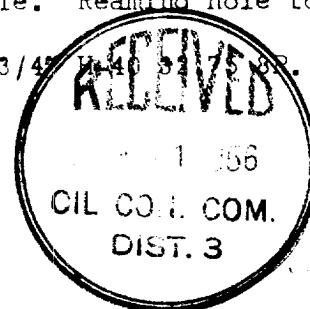
FIELD South Blanco

WELL NO. #1 LEASE Jicarilla BLOCK SEC. 33 TWP. 26 N R. 5 W
 STATE New Mexico PARISH Ria Arriba COUNTY Ria Arriba 990' North Line
 990' West Line

MEASUREMENTS TAKEN FROM
 TOP OF OIL STRING Grd ELEV. 6568 HISTORY PREPARED BY George Susich
 TOP OF ROTARY TABLE --- ELEV. --- TITLE ---
 GRD. OR MAY --- ELEV. ---

IT IS OF THE GREATEST IMPORTANCE TO HAVE A COMPLETE HISTORY OF THE WELL. USE THIS FORM IN REPORTING THE HISTORY OF ALL IMPORTANT OPERATIONS AT THE WELL, TOGETHER WITH THE DATES THEREOF, INCLUDING SIZE OF HOLE, SIZE AND NUMBER OF BITS, COMPLETE DESCRIPTION OF CASING, CEMENTING, FISHING OR DRILLING DIFFICULTIES, SURVEYS, ALL TESTS, ALL COMPLETION OPERATIONS AND PROCEDURE, ETC.

DATE	
1/25/55	Fleeeger Riley Rig #5. Moving on location. Rigging up. Raised mast.
1/26/55	Rigging up. Broke tour. Rigging up to drill rat hole.
1/27/55	Drilled rat hole and mouse hole. Drilled 200' 12-1/4" hole. Reaming hole to 15".
1/28/55	T. D. 200'. Finished reaming surface hole. Ran 6 10 3/4" 1588. 172.12 Net 1.50 Baker guide shoe 173.62 Total Landed 1.50 Below Grd. Level 12.60 KB to Grd. Landed 187.72 KB
	Cemented casing with 150 sh. reg. 4% gel by HOWCO. Displaced casing with 17 bbls. H ₂ O. Good returns on cement. Plug down at 7:00 a.m. Estimated PBTD 167' KB WOC. Nippling up on evening tour.
1/29/55	T. D. 690'. Pressured surface casing with 500# for 1/2 hr. Held O.K. Top of cement plug at 157 shoe at 186' KB. Drilling ahead.
1/30/55	T. D. 1595'. Drilling ahead, made trip for bit #3. Dev. at 1240 1/4°.
2/0/1/55	T. D. 1990'. Drilling ahead. Made trip for bit #4. Dev. at 1800 1/2°.
2/0/2/55	T. D. 2381'. Drilling ahead. Lost circulation at 2381'. Lost 50 bbls. mud. Mixing mud to regain circulation.
2/0/3/55	T. D. 2746'. Regained circulation. Drilling ahead. Made trip for bit #6. Corrected pipe tally Strap KD 2632.32 Geologist KD 2623.00 9' Difference Corrected geologist to pipe tally Bit #6 - 7-7/8". Started rat hole at 2609'.
2/0/4/55	T. D. 2647' Drilling ahead on top of Pictured Cliffs Sand. Ran ES Survey by Schlumberger, could not get below 2940'. Top of Pictured Cliffs Sand 2895 (+3686). Ran Micro Log from 1940' - 2940'.



10/5/55 T. D. 2647'. Went in hole with drill pipe.
Strapped pipe. Oris. 2946.29 T.D.
Strap 2947.13 T.D.
Started reaming 7-7/8" hole from 2609 to 2895. Reamed w/9" bit
and circulated W.O.C. Reamed to 2903. Came out of hole. Went
in hole with 7-7/8" bit. Drilled from 2947 - 2937, 10' into base
of sand. Conditioned mud & hole started laying down drill pipe.

10/6/55 T. D. 2957'. Finished laying down pipe. Ran casing. Ran 92 jts. 7" OD - 20#
J-55 & R 2904.06 Net Larkin cement/shoe 2.05
" " collar 1.07
Total 2907.18
Landed shoe at 2900' KB with collar at 2865.59 KB. Cemented
casing with 150 sh. reg. OV HOWCO. Plug down at 1:00 p.m.
Dumped plug with 1500#. Left 500# on casing. Ran centralizers
at 2894, 2880' & 2864' (3). Top of cement in annulus at 1955 PBTD
2864. Ran Schlumberger. Temp. survey found top of cement in
annulus at 1658. PBTD 2869' by Schlumberger. Landed casing.
Cut 12.78' off total of 2904.06. Landed casing 12.60' below KB.
Rig released at midnight 10/6/55.

10/7/55 PBTD 2865'. W.O.C.

10/8/55 PBTD 2865'. W.O.C.

10/9/55 PBTD 2865'. Waiting to move in McKinney Drilling Co. Spudder.

10/10/55 PBTD 2865'. Moved on McKinney Drilling Co. spudder. Spudder on location at
12:00 noon. Riggged up. Started to bail hole down. Bailing
water.

10/11/55 T. D. 2957'. Continued bailing hole down. Bailed down to 2866'. Measured
in, found top of plug at 2865'. Drilled float collar at 2864'.
Cement from 2865 to 2898. Bailed hole dry before drilling out
shoe. 2898' - 2900' shoe, well started to make gas, open hole
below shoe. Hit bridge at 2910'. Cleaning out to bottom.
Running bailer and tools, cleaned out to 2937'. Measured gas
flow at 7:00 p.m. through orifice well tester. Gas measured
345,000 Cfd. Running bailer every hour.

10/12/55 T. D. 2957'. Ran Schlumberger Induction and Gamma Ray with Temp. log.
Slowing well and running bailer every hour. Blew gas well
for 12 hours. Final test before frac 209,000 Cfd. Ran 93 jts.
2 3/8" EUE 4.7# 3R J-55 tubing:
2892.82 Net
31.25 Anchor
2924.07
6.40 pup
10.00 pup
2940.97 Total
Landed 11.60 below KB, landed at 2961.67 KB. Landed 5.33' off
TD of 2957'. Waiting on daylight to sand frac. Well making
183,000 Cfd. before frac.

- 10/13/55 Sand Frac with water from 2900 - 2957 KB by Dowell, Inc. Pumped 20 bbls. cushion ahead of sand. Broke down sand face with 2200# on tubing and 1800# on casing. Pumped 31,800 gals. H₂O mixed with estimated 35,000# (20-40) sand (1.1#/gal.) with average injection rate of 28 bbls. per min. Pumped total of 1001 bbls. fluid including 50 bbls. sand (700# sand = 1 bbl. H₂O) in 36 min. Flushed sand with 174 bbls. H₂O. Max. tubing pressure 2200, casing 1800, treatment pressure 2000 tubing, 1000# casing. Over flushed 57 bbls. Froze pump on blender truck 3/4 of completed job, two trucks flushing at 1000#. Rigged up to swab, made four swab runs to 2000'. Stuck swab at 1500' on fourth run. Final treatment pressure 1000# bleeding down to 400# in 20 min. down to 200# in one hour.
- 10/14/55 T. D. 2957'. Circulated through casing by HOWCO. Freed swab and cleaned out well and tubing with 300 bbls. H₂O. Pumped estimated 4 bbls. sand out of tubing. Circulated well clean of sand. Started swabbing in well at daylight. Well brought in at 9:00 A.M. Blowing well. Released rig at 3:00 p.m. Well making 6,028 Mcfd, 925# on tubing S.I. Opened casing and tubing. Let well blow over night.
- 10/15/55 T. D. 2957'. - Measured gas flow 5,500 Mcfd at 675# on casing.
- 10/16/55 T. D. 2957'. Static. Ran BHP. Used 3675' datum.
- 10/17/55 T. D. 2957'. Blew well 2 hrs. Well making 7,340 Mcfd. Casing pressure 660#, tubing 195# thru 2" side static nip.

ACTUAL CASING RECORD

WELL Jicarilla #1 FIELD South Blanco ELEV. KB 6581'

This form is to be filled out after each casing job. Its purpose is to give an accurate record of the sequence in which the joints were run so that at any later date, the collars can be accurately located.

Date 10/6/55 Csg. size 7" Wt. 20# Landed at 2900 Hole T.D. PBTD 2864'
Distance from KB to Grd _____ All measurements from KB

JT. NO.	LENGTH	COLLAR DEPTH	REMARKS	JT. NO.	LENGTH	COLLAR DEPTH	REMARKS
		2900.00	Landed KB	18	31.69	2325.63	
	2.05	2897.95	Larkin Cementrol Shoe	19	32.49	2293.14	
1	31.29	2866.66		20	31.73	2261.41	
	1.07	2865.59	Larkin Cementrol Float Collar	21	32.49	2228.92	
2	31.50	2834.09		22	31.99	2196.93	
3	32.29	2801.80		23	31.65	2165.28	
4	32.85	2768.95		24	32.07	2133.21	
5	32.17	2736.78		25	32.13	2101.08	
6	31.81	2704.97		26	31.20	2069.88	
7	32.38	2672.59		27	32.05	2037.83	
8	29.61	2642.98		28	31.27	2006.56	
9	32.09	2610.89		29	27.19	1979.37	
10	31.49	2579.40		30	32.57	1946.80	
11	31.44	2547.96		31	31.74	1915.06	
12	31.23	2516.73		32	32.06	1883.00	
13	32.27	2484.46		33	32.32	1850.68	
14	32.09	2452.37		34	31.96	1818.72	
15	29.03	2423.34		35	31.59	1787.13	
16	33.09	2390.25		36	30.55	1756.58	
17	32.93	2357.32		37	31.31	1725.27	

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Date Csg. size Wt. Landed at Hole T.D.

Distance from KB to Grd All measurements from KB

JT. NO.	LENGTH	COLLAR DEPTH	REMARKS	JT. NO.	LENGTH	COLLAR DEPTH	REMARKS
38	31.87	1693.40		57	32.51	1059.34	
39	30.03	1663.37		58	32.00	1027.34	
40	32.14	1621.23		59	31.43	995.91	
41	31.44	1599.79		60	32.27	963.64	
42	29.94	1569.85		61	31.86	931.78	
43	32.81	1537.04		62	31.92	899.86	
44	32.25	1504.79		63	31.69	868.17	
45	31.84	1472.95		64	29.25	838.92	
46	33.21	1439.74		65	31.29	807.63	
47	32.42	1407.32		66	31.30	776.33	
48	33.27	1374.05		67	30.40	745.93	
49	32.65	1341.40		68	30.01	715.92	
50	29.05	1312.35		69	32.01	683.91	
51	32.17	1280.18		70	32.81	651.10	
52	27.95	1252.23		71	32.38	618.72	
53	31.98	1220.25		72	32.97	585.75	
54	31.92	1188.33		73	32.02	553.73	
55	32.00	1156.33		74	32.60	521.13	
56	31.84	1124.49		75	32.50	488.63	
57	32.64	1091.85		76	32.08	456.55	

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Date _____ Csg. size _____ Wt. _____ Landed at _____ Hole T.D. _____

Distance from KB to Grd _____ All measurements from KB

[illegible]

[illegible]

DATE 1
Jicarilla #1
The Ohio Oil Company
9/29/55

Bit #	Corehead #	HTC	OSC	Pilot	New	0	200	200	200	8	100	53	Pair
1	121	HTC	OSC	Pilot	New	0	200	200	200	8	100	53	Pair
2	9	HTC	OSC 3		39804	200	1030	830	224	95	35,000	1	Good
3	9	HTC	OSC 3		39666	1030	1719	689	12 3/4	100	25,000	1	Pair
4	9	HTC	OSC 3		39803	1719	2160	441	13	85	25,000	1	Pair
5	9	HTC	OSC 1 G		95047	2160	2809	442	14 1/2	85	30,000	1	Pair
6	7 7/8	HTC	OSC 3		37131	2609	2947	338	12 1/2	80	30,000	1	Pair
7	9	HTC	OSC 1 G			-	-	-	-	-	-	-	-
8	7 7/8	HTC	OSC 3		83553	2947	2957	10	1	95	30,000	1	Good

DEVIATIONS

[illegible]

Jicarilla #1

PROGRESS REPORT

8 am - 9 am

[illegible]