

DATE 1/20/56

THE OHIO OIL CO

HISTORY OF OIL OR GAS WELL

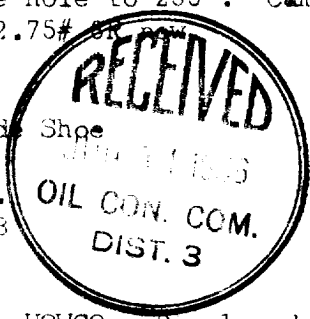
FIELD South Blanco
 WELL NO. 3 LEASE Jicarilla BLOCK SEC. 34 TWP. 26 N R. 5 W

 STATE New Mexico PARISH _____ COUNTY Rio Arriba

 990' North Line
 990' West Line
KB ELEV. 6560'
 MEASUREMENTS
 TAKEN FROM { TOP OF OIL STRING Grd ELEV. 6547.45' 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

10/16/55	Fleeger Riley #5 moving off location to Jicarilla #3. Moving & rigging up.
10/17/55	T. D. 44'. Rigging up & moving. Raised mast. Drilled rat hole & mouse hole. Drilled 44' of 15" surface hole. Bit #1 15" Reed.
10/18/55	T.D. 235'. Drilled to 170' when goose neck on swivel broke at 4:00 a.m. Waiting on welder, drilled 15" surface hole to 235'. Came out of hole. Ran 7 jts. 10-3/4" OD, H-40, 32.75# ^{or new} 208.86 Net 1.25 Baker Guide Shoe <u>210.11 TOTAL</u> 1.50 Below Grd. 12.60 Grd. to KB Landed 224.21 KB
	
	Cemented with 150 sacks Reg. cement by HOWCO. Displaced casing with 22.5 bbls. of H ₂ O. Plug down at 9:00 p.m. Good returns on cement. PBTD 209 KB W.O.C.
10/19/55	T.D. 249'. Nippling up, W.O.C. Pressured casing with 500# for 1/2 hr. Casing O.K. Found top of cement at 198'. Drilled 36 feet of cement. Found shoe at 223'. Drlg. ahead with Bit #2 HTC-OSC-3.
10/20/55	T.D. 1263'. Drlg. ahead in sand & shale. Made trip for Bit #3 HTC-OSC-3.
10/21/55	T.D. 1985'. Drlg. ahead in sand & shale. Made trip for Bit #4 HTC-OSC-3. Dev. at 1518' 1/2°.
10/22/55	T.D. 2368'. Drlg. ahead sand & shale. Made trip for Bit #5 HTC-OSC-3. Dev. at 1992' - 1/2°.
10/23/55	T.D. 2777'. Drlg. ahead on top of sand. Made trip for Bit #6 at 2777'. Reduced hole at 2777' from 9" to 7-7/8" HTC-OSC-3.

10/24/55 T.D. 2935'. Drilled to 2911'. Conditioned mud & hole, came out of hole to run Schlumberger. Ran Schlumberger to 2911. Found T.D. 23' above Pictured Cliffs Sand. Went back in hole with 7-7/8" Bit. Drilled to 2935'. Circulated hole clean. Sample top of Pictured Cliffs Sand at 2925' (+3638).

10/25/55 T.D. 2935'. Came out of hole. Ran Schlumberger. Found Schlumberger sand top at 2923' (+3638). Went in hole with 9" bit. Reamed from 2777' to 2931'. Circulated hole clean. Conditioned mud for 2 hrs. Came out of hole laying down drill pipe. Ran 36 jts. 7" OD 20# J-55 8R casing new:

2930.34 Net
1.25 Baker Guide Shoe
1.48 Baker Float Collar
2933.57 TOTAL

Ran three centralizers at 2922', 2903', 2876'. Landed shoe at 2929 KB with collar at 2909.07 KB. Cemented with 150 sacks Reg. by HOWCO. Displaced casing with 121 bbls. fluid. Bumped plug w/1200#. Plug down at 1:15 a.m. 10/26/55. Estimated top of cement in annulus at 1884: PBTD 2903'.

10/26/55 T.D. 2935'. Finished cementing at 1:15 a.m. Landed casing at 3:00 a.m. Released rig at 4:00 a.m. Ran Temp. Survey and found top of cement in annulus at 1890' by R & S Service. PBTD 2902' by R & S, tearing down and moving to #4. Well static until 11/6/55.

11/6/55 PBTD 2909'. Moved McKinney Drilling spudder on location at noon. Rigged up, started bailing water out of well.

11/7/55 T.D. 2930'. Finished bailing well. Strung up tools. Started drilling out. Found top of cement at 2902'. Drilled out collar at 2909, cement, sho at 2928'. Started making new hole.

11/8/55 T.D. 2903'. Finished drilling through sand estimate 3' into shale. Well started gassing at 2975' - 2980'. Bailed hole clean and washed same. Waiting on Schlumberger. Schlumberger on location at 8:00 p.m. Ran Gamma Ray, Induction Log & Temp. Log.

11/9/55 T.D. 2995'. Finished running Temp. Survey. Layed down tools. Rigged up to run tubing. Ran 94 jts. 2-3/8" 4.7# J-55 8R EWE Tubing:

2935.23 Net
30.80 Anchor It.
2966.03
12.00 Pups 8" & 4'
2978.03
10.50 Below KB
2988.53

Landed anchor joint 6.47' off T.D. Landed tubing at 8:00 a.m. Waiting on Dowell Frac Trucks. Natural gas flow before frac 8,840 Cfd through tubing. Dowell Trucks on location at 8:00 p.m.

10/9/55 Cont. 4 Pump Trucks, 2 Blender Trucks rigged up to sand frac. Sand fraced from 2929' - 2995' with 45,000# sand, 37,200 gals. water (1.21# sand per gal. water). Formation broke down with 2175# on tubing 1375# on casing, both pressures maximum. Min. pressures (treatment pressures) 1050# casing, 1850# tubing, average injection rate 26.5 BPM. Cut out nipple on xmas tree, out one truck off after 25 min. Final pressure 850#. Total treatment time 41 min. Pumped 20 bbls. cushion ahead of sand, flushed sand with 113 bbls. H₂O. Released pressure after 1/2 hr. Well flowed water for 3 hrs. Started swabbing water.

10/10/55 T.D. 2995'. Swabbed well in at 5:00 a.m. Flowed well until noon. Released spudder at noon. Well flowing sand and water.

10/11/55 T.D. 2995'. Flowing well.

10/12/55 T.D. 2995'. Well flowing 1,013 Mcfd through 1" side. Static nipple through casing w/80# on casing.

10/16/55 T.D. 2995'. Blowed well 24 hrs. Well still cleaning up. Well making 1,330 Mcfd through 1-1/2" side static nipple through tubing. 150# on casing.

ACTUAL CASING RECORD

WELL Jicarilla #3 FIELD South Blanco ELEV. KB 6560'

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 10/25/55 Csg. size 7" Wt. 20# Landed at 2929 Hole T.D. 2995'

Distance from KB to Grd _____ All measurements from KB

JT. NO.	LENGTH	COLLAR DEPTH	REMARKS	JT. NO.	LENGTH	COLLAR DEPTH	REMARKS
		2929.00	Landed at KB	18	30.38	2390.35	
	1.25	2927.75	Baker Guide Shoe	19	33.16	2357.19	
1	17.20	2910.55		20	30.46	2326.73	
	1.48	2909.07	Baker Float Collar	21	33.41	2293.32	
2	30.77	2878.30		22	31.86	2261.46	
3	28.83	2849.47		23	32.36	2229.10	
4	30.73	2818.74		24	30.34	2198.76	
5	27.69	2791.05		25	31.13	2167.63	
6	29.20	2761.85		26	32.46	2135.17	
7	32.31	2729.54		27	30.20	2104.97	
8	32.27	2697.27		28	29.17	2075.80	
9	30.93	2666.34		29	31.16	2044.64	
10	32.81	2633.53		30	31.26	2013.38	
11	31.52	2602.01		31	29.79	1983.59	
12	30.33	2571.68		32	27.33	1956.26	
13	32.45	2539.23		33	30.44	1925.82	
14	29.88	2509.35		34	30.61	1895.21	
15	30.54	2478.81		35	29.70	1865.51	
16	27.75	2451.06		36	29.55	1835.96	
17	30.33	2420.73		37	32.74	1803.22	

ACTUAL CASING RECORD

WELL Jicarilla #3 FIELD South Blanco ELEV. KB

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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	30.57	1772.65		58	29.52	1164.90	
39	27.84	1744.81		59	33.56	1131.34	
40	27.86	1716.95		60	32.59	1098.75	
41	31.07	1685.88		61	29.43	1069.32	
42	30.21	1655.67		62	30.98	1038.34	
43	31.21	1624.46		63	29.98	1008.36	
44	33.13	1591.33		64	29.56	978.80	
45	31.29	1560.04		65	30.58	948.22	
46	28.13	1531.91		66	32.53	915.69	
47	31.99	1499.92		67	30.74	884.95	
48	31.39	1468.53		68	30.88	854.07	
49	29.57	1438.96		69	30.63	823.44	
50	31.05	1407.91		70	32.69	790.75	
51	31.31	1376.60		71	31.98	758.77	
52	30.84	1345.76		72	29.92	728.85	
53	30.13	1315.63		73	28.16	700.69	
54	27.51	1288.12		74	25.33	675.36	
55	32.96	1255.16		75	31.64	643.72	
56	30.66	1224.50		76	31.98	611.74	
57	30.08	1194.42		77	31.67	580.07	

A C T U A L C A S I N G R E C O R D

WELL Jicarilla #3 FIELD South Blanco ELEV. KB

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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
78	32.28	547.79					
79	32.18	515.61					
80	30.88	484.73					
81	31.62	453.11					
82	32.27	420.84					
83	29.18	391.66					
84	29.14	362.52					
85	30.00	332.52					
86	28.33	304.19					
87	31.49	272.70					
88	32.28	240.42					
89	26.52	213.90					
90	31.37	182.53					
91	32.48	150.05					
92	31.22	118.83					
93	30.53	88.30					
94	32.78	55.52					
95	30.67	24.85					
96	29.52	-4.67					

BET RECORD PAGE 1
 WELL NAME Jicarilla #3
 COMPANY The Ohio Oil Company
 DATE 10/25/55

Bt #	Coring #	Size	Mile	Type	Serial #	On At		Off At	Fl. Made	Hrs. on		Condition
						0	235'			Recon	Recon	
1		15"	Reed				235'					
2		on	HTC	OSC 3	39690	235'	1062'		827'	121'	85	25,000
3		on	HTC	OSC 3	39657	1062'	1912'		880'	164'	90	25,000
4		on	HTC	OSC 3	39676	1912'	2387'		445'	184'	85	25,000
5		on	HTC	OSC 3	39661	2387'	2771'		390'		85	25,000
6		7 7/8"	HTC	OSC 3	37192	2771'	2911'		134'	12	95	20,000
7		7 7/8"	HTC	OSC 3		2911'	2935'		24'	3/4	95	20,000

[illegible]

Jicariilla #3

Additional features

[illegible]

