## THE OHIO OIL CO FIELD SOUTH BLANCO HISTORY OF OIL OR GAS WELL

WFII N	NO#5 LEASE	Jican	rilla		BY OCK	<b>.</b> 28	TWP.	26N.	R. 5W.	•
		K	<b>&gt;4</b> 444	1	<del>_</del>	10001		· · · · · ·	· · · · · · · · · · · · · · · · · · ·	-
STATE	New Mexico	(	COUNTY Rio Arri	.ba		1090' fro				
		<u>_K</u>	B ELEV. 64739				,,			
	TOP OF OIL S	STRING Grr	d ELEV. 6460°	HISTORY PREPA	RED BY	George S	Susich			_
MEASURE	TOP OF ROTAL	Y TABLE _	ELEV		T176	Asst. Pe	troleum	Engine	er	
TAKEN	GRD. OR MAT		ELEY.							_
	HISTORY OF ALL IMPO	RTANT OPER	ANCE TO HAVE A COMPLETE RATIONS AT THE WELL. TO PLETE DESCRIPTION OF CA LETION OPERATIONS AND P	GETHER WITH THE SING, CEMENTING.	DATES THE	REOF. INCLUD	ING SIZE O	F HOLE,		
DATE										
<u>955</u>			a Ver er			CO	FIL			
2/12	Fleeger Tearing		Rig #5 Contractor.	,		RELL	IVED			
2/13	Tearing	down &	moving raised mas	st.		JIIN 1	1 °56			
2/14	Rigging	up mixi	ng mud.			OIL CON	COM			
2/15	T.D.	180°	Drilled mouse ho Reed 15". Ran 5	5 jts, 10-3/4 157.39 N	", H-40 let	~ I'v sur	race no.		it #1,	
•	·		cemented with 12 with 17 bbls. wa cement PBTD 152°	1.00 L <u>12.60</u> g 172.29 L 25 sacks Regulater. Plug d	rnd to anded s lar by	K.B. hoe K.B. HOWCO. D	isplace		•	
2/16	T.D.	1807	Finished cementi Nuppling up & ri				a.m	WOC.		
2/17	T.D.	5081	Nippling up. Pr Casing OK. Star at 154" K.B. Sh	rted drilling	y out at	7:00 a.m	. Top			
2/18	T.D.	1197'	Drlg. ahead in some Dev. at $1149-\frac{1}{4}$ .		trip f	or bit #3	HTC-OS	C-3		
2/19	T.D.	1789"	Drlg ahead in ss	s & sh made t	rip for	bit #4 H	ITC-OSC-	3.		
2/20	T.D.	2175*	Drlg ahead, made	e trip for bi	t #5 HI	C-0SC-3.				
2/21	T.D.	2490"	Drlg ahead made	trip for bit	#6 HTC	-OSC-3.				
2/22	T.D.	2800"	Drlg ahead made Drilled to 2800' Drls T.D. 2800'. Strap T.D. 2809;	stripped pi	pe out	of hole.				

History	of	Oil	or	Gas	Well
Jicarill	a f	<b>#</b> 5,	New	Mexi	.co

2/21	/56
Page	2

1955			
12/23	T.D.	2860*	Reduced hole size from 9" to 7-7/8" at 2809'. Top of PC sand 2850 (+3623) sample. Ran Schlumberger ES & Micro logs. Schlumberger T.D. 2860'. Went in hole with 9" bit RR HTC-OSC-3. Reamed hole from 2809-2860. Circulated 1 hr. came out of hole laying down drill pipe.
12/24	T.D.	2860 <b>'</b>	Rigged up to run casing. Ran 93 jts. 7" OD, 20#, J-55, 8r new casing: 2848.91 Net  1.25 Baker slip Jt. shoe  1.50 Baker Float Collar  2851.66 Total  Landed shoe at 2850' K.B. with collar at 2795.62' K.B. Ran centralizers at 2844.25, 2829.53, 2788.62 K.B. Cemented with 100 saxs Regular by HOWCO. Displaced casing with 113 bbls. water. Bumped plug with 1200#. Plug down at 9:00 a.m. Estimated top of cement in annulus at 2220' K.B. Landed casing at 10:00 a.m. Released rig at 10:00 a.m. Ran Temperature Survey by B&R Service. Found top of cement in annulus at 2140' PBTD at 2796. W.O.C.
12/25	PBTD	2797 <b>"</b>	Static
12/26	PBTD	2797'	Static
12/27	PBTD	2797"	Static
12/28	PBTD	<b>2</b> 79 <b>7</b> ′	Static
12/29	PBTD	2797 <b>'</b>	Moved McKinney spudder on location at noon, rigging up.
12/30	PBTD	2797 <b>"</b>	Finished rigging up. Started bailing well.
12/31	T.D.	2864*	Finished bailing well, started drilling out. Drilled out float at 2796, cement from 2797' to 2849' - Drilled out shoe at 2850', open hole to 2860', shutdown rig at noon.
1956 1/1	T.D.	2864'	Static
1/2	T.D.	<b>2</b> 890'	Drlg ahead in PC sand, well making some gas below casing (smell)
1/3	T.D.	2926*	Finished drilling through sand, estimate drilling 3' into sh at base of sand bailed hole clean & washed same. Ran Schlumberger Induction, Gamma-Ray & Temp. Logs. Schlumberger T.D. 2929'. Rigging up well head to frac. Waiting on daylight & Frac truck.
1/4	T.D.	2929'	Waiting on HOWCO Frac Trucks.
1/5	T.D.	2929*	HOWCO Frac Trucks ready to pump at 8:00 a.m. sand-frac from 2850-2929' with 45,000# (20-40) and 37,525 gals water with 5 T-10s, 2 blenders down casing. Broke down one blender. Pumped 30 bbls. cushion ahead of sand. Started sand at 1# 1 gal, broke down formation with 1200#, started sand at $1\frac{1}{2}$ # per gal. Used 30,865 gals of frac fluid (1.46# / gal) with average injection rate at

1956 1/5 (cont)	T.D.	2929'	42.2 bbls. per min. Flushed sand with 5400 gals of water. Final pressure 800# treatment pressure 1000#. Total time pumping 22.5 min. Well flowed for 2 hrs. Rigged up to run tubing, Ran 90 jts. tubing could not get below 2864'. Estimate 60' of sand in bottom of well. Tried to circulate out sand with HOWCO pump truck, could not clean out sand.
1/6	T.D.	2929'	Came out of hole with tubing, rigged up to run sand pump. Waiting on Bowen Head 7 hrs. Made one run with sand pump. Stuck plunger in same. Waiting on another sand pump. Froze plunger at 2:00 p.m.
1/7	T.D.	2929'	On location with sand pump at midnight. Rigged up sand pump. Pumping well. Cleaned out sand to TD. Ran 92 jts, 2-3/8" EUE 4.7#, J-55, 8R tubing. 2856.43 Net  31.03 Anchor  4.00 Pup  2891.46 Total  Landed 10.50 below K.B.  Landed 2901.96 K.B.  Landed anchor 27.04' off T.D., 4.04' off top of sand found 23' off sand in well while running tubing, gas started breaking through casing. Landed tubing. Left an estimated 23' of sand in well. This will diminish after flowing well. Started swabbing well.
1/8	T.D.	<b>2929</b> ′	Swabbed in well at 3:00 a.m. blew well for 12 hrs. Released spudder at 8:00 a.m.
1/9	T.D.	2929"	Blowing well.
1/10	T.D.	2929'	Blew well 6 hrs, shut-in well.
1/11	T.D.	2929"	Blowing well, well making salt water 18000 P.P.M.
1/12	T.D.	2929*	Blowing well, making salt water, no accumulation of water in well blowing spray of salt water.

### ACTUAL CASING RECORD

WELL _	Jicarill	a #5	FIELD South	Blanco	ELE	V. KB647	73*
curate	record of	the sequen	ut after each ce in which to curately loca	he ioin	job. Ita p ts were run	purpose is t so that at	to give an ac any later
Date12	/24/55 Cs	g. size	7' Wt.	20#	Landed at	2350 Ho	ole T.D.2929
Di stan	ce from KB	to Grd		<del></del>	_	All measuren	ents from KB
JT.	LENGTH	COLLAR DEPTH	REMARKS	Jr. NO.	LENGTH	COLLAR DEPTH	REMARKS
		<b>2</b> 350.00	Landed KB	18	29.94	2306.88	
<del></del>	1.25	2848.75	Baker Slip Jt. Shoe	19	28,44	2278.44	
1	19.22	<b>2</b> 8 <b>2</b> 9.53		20	29.24	2249.20	
2	32,41	2797.12		21	32.16	2217.04	
	1.50	2795.62	Baker Float Colla		32.29	2184.75	
, 3	29.55	2766.07		23	30.50	2154.25	400 (144)
. 4	30.72	2735.35		24	30.64	2123.61	·
5	30.26	<b>270</b> 5.09		25	31.31	2092.30	
6	32.43	2672.66		26	31.07	2061.23	·
7	33.06	2639.60		27	32.98	2028.25	
8	31.51	2608.09		28	30.35	1997.90	·
9	28.62	2579.47		<b>2</b> 9	30.04	1967.86	
10	29.20	2550.27		30	29.75	1938.11	·
11_	30.11	2520.16		31	30.50	1907.61	Ÿ
. 12	30.86	2489.30		32	31.49	1876,12	,
13	32.92	2456.38		33	30.90	1845.22	
14	30.28	2426.10		34	30.40	1814.82	
15	30.47	2395.63		35	26.78	1788.04	
16	<b>2</b> 9.95	2365.68		36	28.10	1759.94	
17	28.86	2226 22		27	00.07	3.503.05	

# ACTUAL CASINI RECORD

WELL Jica	rilla #5 FIELD	South Bl	anco ELEV.	KB	` `	
acontate t	is to be filled of ecord of the sequences of the sequence	ience in whi	ch casing job. I ch the joints wer cated.	ts purpose is e run so that	to give and at	' Log
Date	Ceg. size	Wt.	Landed at	Hole	T.D.	:
Distance f	ram KB to Grd		A11	measurements	from KB	

Jt. No.	Length	Collar Depth	Remarks	Jt.   No.	Lenght	Collar Depth	Remarks
. 38	30.04	1701.03		59	31.52	1091.01	
39	29.62	1671.41		59	31.02	1059.99	The state of the s
40	31.49	1639.92		60	29.98	1030.01	
41	30.19	1609.73		61	31.61	998.40	
42	30.79	1578.94		62	31.95	966.45	
43	30.37	1548.57		63	32.77	933.68	
44	30.10	1518.47		64	29.71	903.97	
45	30.34	1488.13		65 .	30.96	873,01	
46	28.13	1460.00	. •	66	29.20	843.81	
47	32.50	1427.50		67	32.15	811:66	
48	29.92	1397.58		68	30.23	781.43	
49	32.30	1365.28		69	<b>2</b> 9.79	751.64	
50	29.55	1335.73		70	31.20	720.44	
51	31.73	1304.00		71	31.79	688.65	
52	29.48	1274.52		72	32.03	656.62	
53	30.62	1243.90		73	29.44	627.18	; ;
54	28.98	1214.92		74	32.66	594.52	
55 <sup>.</sup>	29.33	1185.59		<b>7</b> 5	31.85	562.57	
56	31.74	1153.85		76	29.01	533.66	
57	31.32	1122.53		77	32.30	501.36	

# ACTUAL CASING RECORD

This facoura	Jicarilla  orm is to h  te record of  the collars	of the sequ	ut after ea	ich d	casing	r tob. It	. Dirros	is to give an at at any lat
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	ce from KB						Hol easurement	e T.Ds from KB
Jt. No.	Length	Collar Depth	Remarks		Jt. No.	Lenght	Collar Depth	Remarks
78	32.27	469.09						
79	30.43	438.66						• •
80	31.32	407.34		$\blacksquare$	· · · · · · · · · · · · · · · · · · ·			
81	31.80	375.54		$\parallel \parallel$	<del> </del>			
82	30.20	345.34		$\parallel \parallel$		<del></del>		
83	32.82	312.52		$\parallel \parallel$				
84	<b>32.</b> 56	<b>27</b> 9.96		$\parallel \parallel$	*			
85	30.10	249.86		$\parallel \parallel$	,			
86	32.18	217.68		$\parallel \parallel$	<del></del>			
87	29.93	187.75		$\  \ $	<del></del>			
88	30.71	157.04		$\  \ $				
89	29.77	127.27						
90	32.39	94.88			<del>- 1-4</del>			
91	32.00	62.88		$\  \ $				**************************************
92	31.85	31.03		卌				
93	<b>32.6</b> 9	-1.66		$\  \cdot \ $				
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BIT RECORD PAGE
WELL NAME Jicarilla #5
COMPANY The Unio Uil Company
DATE 1/30/56

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12/21/55	12/21/55 Daylight		36	8•6					Ÿ.	2 sx /			
	Evening												
	Morning		7										
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#### PROGRESS REPORT

8 am - 8 am

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Date	Time	Status	Depth	Made	Fm.	Remarks
12/13	8:00	Ricging ut				The first of the f
12/14	8:00	Mast up				
12/15	8:00	Drlo.				Digging rat and mouse hole
12/16	8:00	WOC	J.80 <b>1</b>	1801	Tert.	Ran 5 jts. surface csg.
12/17	8:00	Press.csg	1801	01	11	Drilled plug
12/18	8:00	Orls.	7211	5411	11	
12/19	8:00	Drle.	14621	741.	tt	
12/20	8:00	Drlg.	1.9801	518 301 <b>°</b>	11	
12/21	8:00	Drlg.	228l¹	301'	11	
12/22	8:00	Drlq.	2559°	2781	Kirtla	
12/23	8:00	Urlg.	2840	2811	Fruitl	and Mbr.
12/24	8:00	Drlg.	2860	201	PC	Ran 7" csg. and logs
12/25	8:00		.2860 <b>1</b>			WOC. Released rig.
1.2/26	Static -	NOCT				The state of the s
12/27	11	11				
12/28	17	11				
12/29	17	18				
12/30	8:00	Rioging ur	2860 <b>1</b>			
12/31	8:00	Orle.	2864°	49	PC	
1/1/56		Drlg.			PC	
1/2		Drlgi	2890 <b>1</b>	261	PC	And the state of t
1/3	8:00	Drlg.	29091	197	PC	Ran Ind, G.R., & Temp. logs
1/4	8:00	WO HOWCO	2929 <b>1</b>	201	PC	A service and the control of the con
1/5	8:00	Sand—fraci				- Charles & Total Charles (Agree ) (Agr
1/6	8:00	Waiting on	sand pum	D		
1.77	8:00	Pumping sa				
1/8	8:00	Ran tubing		ed rig:	blowing	well
Talk, radioarea es sec		and the second s			1	in the Allen Marie of Marie (Marie and Marie and Marie and Marie and Sand Sand Sand Sand Sand Sand Sand
1/16	8:00	Blowing we	11			An Artificial Control (Andrew Charles Control
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