DATE 1/20/56

THE OHIO OIL CO FIELD South Blanco HISTORY OF OIL OR GAS WELL

		LEASE	Jicarilla PARISH COUNTY	Ria A	rriba			TWP. 26 East Line South Line	<u>N</u> R. 5 W
			KB ELEV. 6						
MEASURE	MENTE	TOP OF OIL STRIN	Grd. ELEV. 6	642'	HISTO:	Y PREPARED	ev Georg	e Susich	
TAKEN		TOP OF ROTARY TA	OLE ELEV			Titl	L (
		GRD. OR MAT	ELEV		TT HIATARY	A. THE WELL	Her Tule P	AAN IN ACDOOTING	. N. F
	HISTOR	Y OF ALL IMPORTAN	T OPERATIONS AT THE COMPLETE DESCRIPED OPERATION OPERATED	E WELL.	TOBETHER W	TH THE DATE:	S THEREOF. IN	CLUBING SIZE OF H	
DATE									
10/26/55		Fleeger Rile	y #5 m ovi ng a r	nd tear:	ing down	Rigging	g up. Eve	nings & morni	ngs static.
10/27/55		Broke tour. Drilled rat	Rigging up. hole.	Raise	d mast.	Rigging w	up to dril	l rat hole & n	mouse hole.
10/28/55		Circulated 2	lling mouse h hrs., waiting 40 Surface Ca Lande	g on w	152.6 1.5 154.1 1.6	Came out of the second of the	of hole. Guide Shoe Grd.	Reamed Ran 12 10 11 OIL COLL	15". -37" -35 -39
			ing with 125 1:00 a.m. G						ls. H ₂ O.
10/29/55		PBTD 153'.	W.O.C. & Nip	pling	up to dr	.11 out.			
10/30/55		T.D. 1089'.	Pressured ca Found top of HTC-OSC-3.	cemen	t at 1504	Bit #2 H	-	.K. Drilled Made trip f	
10/31/55		T.D. 1575'.	Drlg. ahead. 1660' - 1/2°		trip fo	Bit #4 B	HTC-OSC-3	at 1697 '. De	v. at
11/1/55		T.D. 2290'.	Drlg. ahead. Drlg. ahead.	Made	trip for	Bit #5 I	HTC-OSC-3.	Dev. at 199	2' - 1/2°.
11/2/55		T.D. 2762'.	Drlg. ahead.	Made	trip fo	Bit #6 B	HTC-OSC-3.	Drlg. ahead	

History of Oil Jicarilla #4	or Gas Well	Page 2 1/20/56
11/3/55	T.D. 2995'.	Drlg. ahead. Came out of hole for Bit #7 OSC-3 7-7/8". Will reduce hole size from 9" to 7-7/8" at 2853'. Broke fan belts on motors. Shutdown two hrs. Sample top of PC Sand 2985'. Circulated two hrs. Conditioned mud & hole. Started out of hole to run Schlumberger.
11/4/55	T.D. 2995'.	Ran Schlumberger ES & Micro Logs. Top of PC Sand at 2978'. Went back hole w/9" Bit. Reamed from 2853' to 2988'. Circulated 2 hrs. Conditioned hole & mud. Came out of hole laying down drill pipe. Rigging up to run casing. Started running casing.
11/5/55	T.D. 2995'.	Ran 96 jts. 7" O.D. 20# J-55 8R Casing.
		Bakerguide 1.28 Shoe Bakerguide 1.51 Collar Float 2987.30 TOTAL
		Landed shoe at 2985 KB w/collar at 2933.95 KB. Ran centralizers at 2978', 2967.22, 2927.95. Cemented w/150 sacks Reg. by HOWCO. Displaced casing w/121 bbls. H ₂ O. Bumped plug w/1200#. Plug down at 3:30. Estimated Top of cement at 2040'. Landed casing at 7:00 a.m. Release rig at 8:00 a.m. Ran Temp. Survey. Found top of cement at 1840' KB. PBTD 2934' by R & S Service W.O.C. Static until 11/10/55.
11/10/55	T.D. 2995'.	Moved McKinney Drlg. Co. spudder on location at 3:00 p.m. Rigging up. Started bailing hole down.
11/11/55	T.D. 2999'.	Finished bailing hole down. Rigged up to start drilling out. Found top of plug at 2934. Cement from 2935' to 2984'. Drlg. ahead in PC Sand.
11/12/55	T.D. 3026'.	Drlg. ahead. Well started gassing at 3026'. Drilled to 3066'. Bailed hole clean. Washed hole and bailed same. Rigged up to run Schlumberger. Ran Gamma-Ray - Induction Log & Temp. Log at 9:00 p.m. Schlumberger T.D. 3068'.

3004.66 Net 31.23 Anchor 3035.89 TOTAL 10.00 Pup 6.00 Pup 3051.89 10.50 Below KB

run tubing. Ran 96 jts. 2-3/8" 4.7# 8R EUE tubing. Ran one 2-3/8"

T.D. 3068'. Finished running Schlumberger. Rigged up xmas tree. Rigged up to

Landed Anchor 3062.39 Landed 5.61' off T.D.

coupling:

11/13/55

11/13/55 Cont.		Natural gas flow before frac 140,000 Cfd, through tubing. Sand Frac 4-T 10, 1 blender truck by HOWCO. Sand frac from 2985' to 3068' with 44,500# sand and 34,860 gallons of H ₂ O (1.29#/gal). Pumped 20 bbls. cushion ahead of sand. Formation broke down at 1800# tubing, 1100# casing. Treatment pressures 2400# tubing, 1500# casing; final pressure 900#. Flushed casing with 6300 gallons. Average injection rate 35.9 bbls. per minute. Pumped total of 42,000 gals. water & 2,200 gals. sand in 29.5 minutes. Burned up onetruck, truck motor on fire shutdown one pump. Left 900# on tubing for 1/2 hr. Bled off pressure and well flowed water for 2 hrs. Rigged up to swab. Started swabbing well in at 3:00 p.m. Pulled sandline in two at 3:30 p.m. Started pulling tubing.
11/14/55	T.D. 3068'.	Finished pulling tubing. Ran same in hole, started swabbing in well. Well in at 10:00 a.m. Blowing well, released spudder at noon. Blowing well.
11/15/55	T.D. 3068'.	Blowing well.
11/16/55	T.D. 3068'.	Well cleaning up. Blowing same.
11/17/55	T.D. 3068'.	Blew well for 8 hrs. Gauged gas flow through 2" side static nipple through tubing. Initial flow 4,220 Mcfd with 450# on casing. Well still making water.
11/18/55	T.D. 3068'.	Static
11/19/55	T.D. 3068'.	Blew well. Well making water & sand. Blew same for 8 hrs. Gauge on well this day. 3,950 Mcfd through tubing with 2" side static nipple. Casing stablized at 395#.

ACTUAL CASING BECORD

WELL .	Jicarilla	<i>j</i> 4	FIELD Sou	ith	Blance	ELE ELE	V. K B <u>6654</u>	4.*
This :	form is to	be filled on the sequence	ut after eac	h th	casing	ich Ti-		
Date	11/5/55 Cs	g. size	7" Wt.	20	ŧ	Landed at	2985 Ho	le T.D. 3068'
Distar	nce from KB	to Grd			· · · · · · · · · · · · · · · · · · ·		All measureme	
JT. NO.	LENGTH	COLLAR DEPTH	REMARKS		JT. NO.	LENGTH	COLLAR DEPTH	REMARKS
		2985.00	Landed KB		18	32.44	2434.15	

NO.	abrio 111	DEPTH	TOTALKS	NO.	DENOTE	DEPTH	REMARKS
		2985.00	Landed KB	18	32.44	2434.15	
	1.28	2983.72	Baker Guide Shoe	19	30.14	2404.01	
<u> </u>	16.50	2967.22		20	32.36	2371.65	
2	31.76	2935.46		21	2 8.20	2343.45	
-	1.51	2933.95	Baker Float Collar	22	30.32	2313.13	
, 3	30.16	2903.79		2 3	33.19	2279.94	
4	29.96	2873.83		24	32.25	2247.69	
5	32.63	2841 .2 0		2 5	31.62	2216.07	***************************************
6	32.16	2809.04		2 6	31.04	2185.03	
7	32.42	2776.62		27	30.48	2154.55	····
8	24. 55	2752.07		2 성	30 . 30	2124.25	
9	31.60	2720.47		2 9	30.ეკ	2093.67	
10	31.08	2 68 9.3 9		30	33.12	2060.55	
11	31.09	2658.30		31	27.92	2032.63	
12	32.15	2626.15		32	26.72	2005.91	
13	32.84	2 593.31		33	31.97	1973.94	
14	32.47	2 560.84		34	32.64	1941.30	
15	32.44	2 5 2 8.40		35	29.78	1911.52	
16	30.39	2498.01		36	31.06	1880.46	
17	31.42	2466.59		.37	30.90	1 849 . 56	

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WELL _	Jicarill	a #4	FIELD South	Blanco	ELE	V. KB	
This fourate	form is to		t after each e in which t	casing he joint	ioh. Its	nurnose is t	0 01114 33 30
Date	Св	g. size	Wt.		Landed at	Но	le T.D.
		to Grd		•			ents from KB
JT. NO.	LENGTH	COLLAR DEPTH	REMARKS	JT. NO.	LENGTH	COLLAR DEPTH	REMARKS
38	33.13	1816.43		58	29.48	1179.22	
39	31.61	1784.82		59	32.46	1146.76	
40	33.26	1751.56		60	31.15	1115.61	
41	32.46	1719.10		-61	28.12	1087.49	
42	32.29	1686.81		62	30.4 8	1057.01	
43	32.50	1654.31		63	30.06	1026.95	
44	32.47	1621.84		64	30.22	996.73	
45	2 9.65	1592.19		65	33.23	963.50	
46	31.91	1560.28		66	30.08	933.42	
47	32.44	1527.84		67	31.47	901.95	
48	32.66	1495.18		68	33.45	868.50	
49	31.74	1463.44		69	32.55	835.95	
50	33.15	1430.29		70	32.26	803.6 9	
51	32.93	1397.36		71	32.52	771 .17	
52	31,90	1365.46		72	29.25	741.92	
53	32.93	1332.53		73	30.12	, 711.80	
54	31.80	1300.73		74	25.50	686.30	
55	30.84	1269.89		75	32.79	653.51	
56	32.62	1237.27	4	76	31.96	621.55	
c 7	29 57	1208 70			20.40	500 10	

ACTUAL CASING KECORD

WELL_	Jicarilla	#4 FIELD	South Bl	ar	icc	ELEV.	KB	
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Date_	Cs	g. size_	Wt.	-	7.	anded at	11.1	
Dista	nce from KB	to Grd					leasurement	
Jt. No.	Length	Collar Depth	Remarks		Jt. No.	Lenght	Collar Depth	Remarks
78	30.52	558.61					Deptil	
	32.97	525.64						-
80	33.04	492.60					+	
81	24.81	467.79						
82	32.32	435.47						
83	32.53	402.94						
84	30.18	372.76						
85	32.81	339.95						
86	32.84	307.11						
87	31.54	275.57						
88	30.20	245.37						
89	31.97	213.40						
90	32.75	180.65						
91	30.00	150.65						
92	30.43	120.22						
93	27.78	92.44						
94	32.41	60.03						
95	29.49	30.54				14		-
96	32.84	-2.30		j				
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11/1/55 10/30/55 11/3/55 11/4/55 Continue de la contin Daylight
Syening Tarid ht Coming
Co 11.]/c 115 63 F 66 60 35 47 2 2 Wolfht 10.0 0 9.5 9,6 9•3 9.3 10.1 10.1 PPM NaC1 Wate**r** Ioss ਸੂ ਹ ₩ye-Jel 14 sx 2600# 1500... 35 sx8 3000/ 5 sx $^{\circ}$ XS SX Bicarb of Soda Alkatan Ogratika 150// 100,/ 100 V 50: 703 703 100 50% 50..." 50 0100 LO

Addi burca -

•	Copth	àov.	Dopth	Cev.	Septh	lev.	leg ril	Pov.	වදාසා	∋ev.	Depth	lav.
10/28 ET	1801	3/4°										
10/31 MT	1089	1/20										
10/31 וע	1660	1/20										
11/1 MT	1990	1/2 ⁰										
11/4 DT	29881	ı°										
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PROGRESS REPORT

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late	Time	Status	Depth	Made	Fm.	Remarks
0/25	8:00	HIRT				
0/27	8:00	Rigging v				maken in in the state of the st
0/28	8:00	Orla S.H.	1801	1601	Tert.	Set surface casing T. pipe 154.19
0/29	8:00	WQC				
0/30	8:00	Urla ahea	d 5281	3481	11	Drilled out 1:00 A.M.
0/31	8:00	17	13361	8081	11	
1/1	8:00	11	20921	756 ¹	11	
1/2	8:00	11	2519 '	4271		The Control of the book representative and increases when applications in the same and the structure decreases when increases the control of
1/3	8:00	11	28'/3 ¹	354		The Recommendation of the Commission of the Comm
1/4	8:00	Run logs	2995 1	1221	PC	Top PC approx. 2978
1/5	8:00	Run csg.				Released eig at 8:00 A.M.
1/6	8:00	MOC			1	
-					1	Angel approximation and an all define the current Cales in a control of any adjunction on a region is not in the current control of the c
1/11	8:00	Bailing			PC	Spudder rigging up
1/12		Drlg			PC	
1/13	8:00	Rng logs	& tubing		T	Induction, Gamma Ray & Temperatur
1/1/	8:00	Sand frac	ed, tubin	g run. b	lowing	well
$\frac{1}{15}$		Rigging C			1	Rig released at 12:00 noon 11/14/
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