

FIELD High Plains Permo Penn COUNTY Lea, NM OCC NUMBER _____
OPERATOR Amerind Oil Company ADDRESS 500 Wilco Building, Midland, Tx. 79701
LEASE Sanders-State Com WELL NO. 1
SURVEY 1650' FNL & 1350' FEL of Section 35, T-14-S, R-34-E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
396	3/4
881	1/2
1,352	1/4
1,824	1/2
2,297	1/2
2,524	1
3,023	3/4
3,270	3/4
3,743	3/4
4,212	1
4,500	3/4
4,964	1/2
5,437	1/2
5,937	3/4
6,411	1/2
6,882	3/4
7,355	1
8,297	3/4
8,770	1
9,242	3/4
9,712	1
10,182	1
10,675	1

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: [Signature]

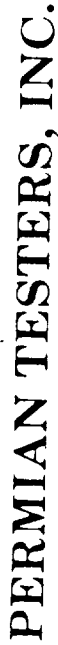
Walter Frederickson
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

1st day of November, 1985.

Margaret B. Anderson
Margaret B. Anderson

Notary Public in and for Midland County, Texas



79762

DATE October 22, 1985

DISTRICT	Odessa
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LEASE	Sanders State	WELL NO	TEST NO	DATE TESTED
	Sanders State	WELL NO	TEST NO	DATE TESTED

FIELD	PLANTING NO.	COUNTY	STATE	DATE	FORM	BOUGHT
High Plains		Lea	New Mexico	10/01		

BOTTOM HOLE CHOKE	5/8"	SURFACE	1" Adj.	CUSHION	None
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TOOL OPEN BEFORE ISIP	5 MIN	TYPE	AK-T	CAPACITY	8100
RECORD DATA					
RAT HOLE					

TOOL OPEN	HRS.	MIN.	DEPTH	10,007	MUD WT
	1	0	BOTTOM	11.008	
			DEPTH	10.673	

SURFACE ACTION	Pre-Flow:	Bottom	24 hr.	Chloride
	Opened tool with a weak blow.	Increasing to 53 oz	on	

Final-Flow: Gas to surface in 20 mins. into initial shut in. Opened

SIZE PACKERS	CONVENTIONAL
(12.7 MCF/Day); 10 lbs. on $\frac{1}{4}$ " choke at 30 mins.. (30.8 MCF/Day).	

at the end of final flow, (18.5 MCF/Day).

RECOVERY	Total 5640' Gas	4 1/2 XH DC
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Reversed Out Est. 300' Free Oil

3000' Formation Water	Samp.
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Middle oil	Gravity 44 @ 60°	Jars
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Packer

STIER	STEVE LEWIS	APPROVED BY	JIM CLOWE	Perf.
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RECORDED NO	RECORDED NO	Perf.
1	1	
2	2	
3	3	
4	4	
5	5	
6	6	
7	7	
8	8	
9	9	
10	10	
11	11	
12	12	
13	13	
14	14	
15	15	
16	16	
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86	86	
87	87	
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89	89	
90	90	
91	91	
92	92	
93	93	
94	94	
95	95	
96	96	
97	97	
98	98	
99	99	
100	100	

	INITIAL HYDROSTATIC PRESSURE)	PSI	PSI	Rec.
A		4956		
B	(INITIAL BOELOW PRESSURE)			

	MIN	PSI	PSI
INITIAL PRE-FLOW PRESSURE)	5	788	
INITIAL SHUT-IN PRESSURE)	60		882

INITIAL FLOW PRESSURE	PSI	PSI
(FINAL FLOW PRESSURE)	959	0100

ORIGINAL STRUTTING PRESSURE	180 MIN	3920	PSI
(FINAL HYDROSTATIC PRESSURE)		1000	PSI

	DRLG CONT
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PERMIAN TESTERS, INC.

P. O. BOX 6441 • PHONE 366-0811

ODESSA, TEXAS

79762

TEST TICKET NO. 6052

PRESSURE BREAKDOWN

Date October 22, 1985

Company Amerind Oil Company County Lea

Well Name & No. Sanders-State # 1 State New Mexico

DST No. 1 Tool Open 5 Min. For Pre Flow Tool Closed 56 Min. For ISIP

Interval 10,481 To 10,676 Tool Open 60 Min. For Final Flow Tool Closed 180 Min. For FSIP

INITIAL SHUT-IN				Recorder	11,008	FINAL SHUT-IN			
Time Deflection	Min.	Deflection	Pressure		Time Deflection	Min.	Deflection	Pressure	
	0		788			0		2180	
	2		3776			2		2596	
	4		3853			4		3616	
	6		3884			6		3680	
	8		3900			8		3718	
	10		3910			10		3743	
	12		3920			12		3755	
	18		3939			18		3792	
	24		3951			36		3849	
	30		3955			54		3873	
	36		3959			72		3888	
	42		3963			90		3898	
	48		3967			108		3906	
	54		3969			126		3910	
	56		3969			144		3914	
						162		3918	
						180		3920	

PH. 366-0811

PERMIAN TESTERS, INC.
ODESSA, TEXAS 79762

P. O. BOX 6441

BOTTOM HOLE SAMPLER REPORT

Date October 22, 1985 Ticket No. 6052
Company Amerind Oil Company
Well Name & No. Sanders-State # 1 DST No. 1
County Lea State New Mexico
Sampler No. _____ Test Interval 10,481 To 10,676
Pressure in Sampler 1350 PSI BHT 154 °F

Total Volume of Sampler: 2000 cc.
Oil: 225 cc.
Water: 1550 cc.
Mud: _____ cc.
Gas: 1.45 cu. ft.
Other: _____

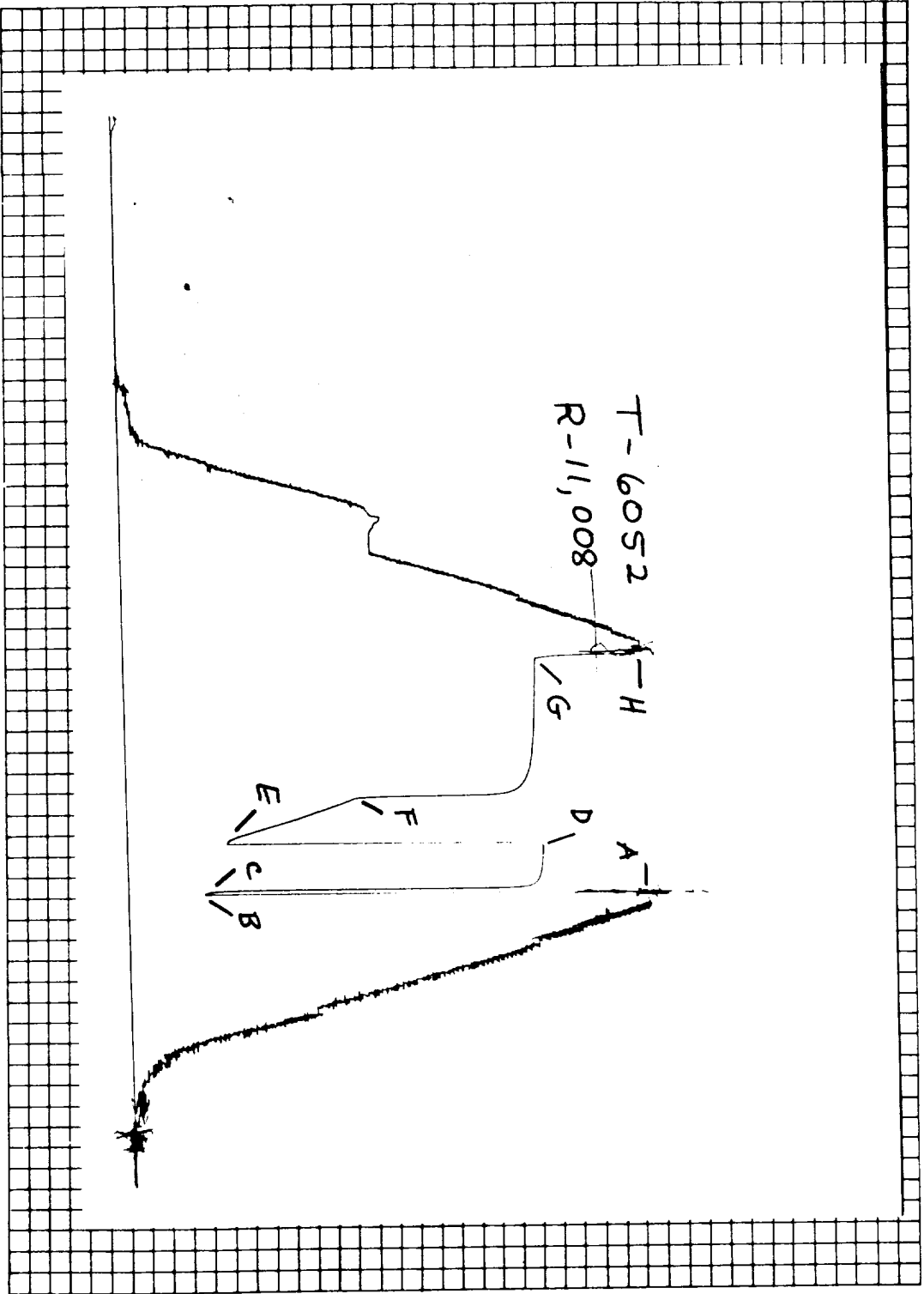
Resistivity

Drilling Fluid in Pits 0.23 @ 60 °F Chloride Content 34,000 ppm.
Fluid from Sampler 0.27 @ 60 °F Chloride Content 27,000 ppm.
Gas/Oil Ratio _____ Gravity 44 -API @ 60 °F
Where was sample drained Rig

Remarks: _____

↑ TIME

→ PRESSURE





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TICKET NO 6080
DATE October 23, 1985
ORDER NO.
DISTRICT Odessa

COMPANY Amerind Oil Company

LEASE Sanders-State	WELL NO. 1	TEST NO. 2	FORMATION New Mexico	INTERVAL TESTED	FORMATION 4079'	GL 85'
FIELD Wildcat	COUNTY Lea	STATE				

DRILL STEM TEST DATA

BOTTOM HOLE CHOKE	5/8"	SURFACE	1" Adj.	CUSHION	None
TIME TOOL OPENED	12:22 P.M.				
TOOL OPEN BEFORE ISIP	5 MIN.	TYPE	AK-I	CAPACITY	7900
TOOL SHUT-IN	1 HRS.	TOP	10,213	DEPTH	10,534
TOOL OPEN	1 HRS.	BOTTOM	13,478	DEPTH	10,539
FINAL SHUT-IN	3 HRS.	CLOCK TOP	18 Hr.	BOTTOM	24 Hr.
SURFACE ACTION	Pre-Flow: Opened tool with a fair blow. Increased to 3 1/4 lbs. at 5 mins.				

Final-Flow: Opened tool with 2" water column. Increased to 2 lbs. at 8 mins.; opened on 1/4" choke. Blow continued to increase to 3 1/4 lbs. at 20 mins. Gas to surface at 24 mins. at 17.1 MCF/Day (3 1/4 lbs.) Blow started to decrease slowly to 2 lbs. at 50 mins., (12.7 MCF/Day) and stabilized.

7056' Gas on Top of Fluid
170' Free Oil
300' Heavy Oil & Gas Cut Mud
2906' Heavy Gas Cut Formation Water

Chlorides: Top Gravity 41 @ 60°
Middle 35,000 PPM Rw 0.225 @ 60°
Bottom 30,000 PPM Rw 0.25 @ 60°

REMARKS

SUCCESSFUL TEST No B. H. TEMPERATURE 156 °F
TESTER Wayne Anderson APPROVED BY Jim Clowe

	Rec. No.	RECORDER NO.	RECORDER NO.
	10,213	13,478	13,479
A	(INITIAL HYDROSTATIC PRESSURE)	4913 PSI	4952 PSI
B	(INITIAL PRE-FLOW PRESSURE)	359 PSI	2236 PSI
C	(FINAL PRE-FLOW PRESSURE)	359 PSI	2236 PSI
D	(INITIAL SHUT-IN PRESSURE)	3900 PSI	3988 PSI
E	(INITIAL FLOW PRESSURE)	613 PSI	2208 PSI
F	(FINAL FLOW PRESSURE)	1554 PSI	2776 PSI
G	(FINAL SHUT-IN PRESSURE)	180 MIN	3964 PSI
H	(FINAL HYDROSTATIC PRESSURE)	4878 PSI	4915 PSI

HOLE AND MUD DATA

TOTAL DEPTH	10675	MAIN HOLE	7 7/8
RAT HOLE	7 7/8	CASING SIZE	8 5/8
DEPTH OF CSG.	4500	TYPE MUD	Cur Brk
MUD WT.	8.7	VISCOSITY	28
WATER LOSS.	5.0	CAKE	Film
CHLORIDE	35,000 PPM		
RESISTIVITY	0.225	@	60 °F

TOOL DATA

NO. PACKERS	4	STRADDLE TEST	Yes
SIZE PACKERS	6 3/4	CSG. TEST	
CONVENTIONAL TEST			

TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4 1/2 XH DP		10012	3.8	4.5
4 1/2 XH DC		298	2.3	6
Circ. Sub	10312			
4 1/2 XH DC		120		
Shut In		5		
Samp.		3		
Hyd.		5		
Jars		6		
Safety		2		
Packer		6		
Packer	10465	6		
Perf.				
4 1/2 XH DC				
Rec.				
Rec.				
Perf.				
Packer	10550	85		
Packer				
Blank				
4 1/2 XH DC				
Perf & Rec/Sub				
Rec.				
DRLG CONT	Hondo			
RIG #	3			



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ODESSA, TEXAS

79762

TEST TICKET NO. 6080

PRESSURE BREAKDOWN

Date October 23, 1985

Company Amerind Oil Company County Lea

Well Name & No. Sanders-State # 1 State New Mexico

DST No. 2 Tool Open 5 Min. For Pre Flow Tool Closed 60 Min. For ISIP

Interval 10,465 To 10,550 Tool Open 60 Min. For Final Flow Tool Closed 180 Min. For FSIP

INITIAL SHUT-IN				Recorder	10,213	FINAL SHUT-IN			
Time in Deflection	Min.	Deflection	Pressure		Time Deflection	Min.	Deflection	Pressure	
	0		368			0		1553	
	2		1708			2		2996	
	4		3621			4		3230	
	6		3756			6		3309	
	8		3805			8		3379	
	10		3836			10		3422	
	12		3859			12		3457	
	18		3898			18		3520	
	24		3910			36		3602	
	30		3914			54		3617	
	36		3916			72		3633	
	42		3918			90		3648	
	48		3920			108		3668	
	54		3922			126		3688	
	60		3924			144		3699	
						162		3707	
						180		3707	



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ODESSA, TEXAS

79762

TEST TICKET NO. 6080

PRESSURE BREAKDOWN

Date October 23, 1985

Company Amerind Oil Company County Lea

Well Name & No. Sanders-State # 1 State New Mexico

DST No. 2 Tool Open 5 Min. For Pre Flow Tool Closed 60 Min. For ISIP

Interval 10,465 To 10,550 Tool Open 60 Min. For Final Flow Tool Closed 180 Min. For FSIP

INITIAL SHUT-IN				FINAL SHUT-IN			
Time Deflection	Min.	Deflection	Pressure	Time Deflection	Min.	Deflection	Pressure
	0		2236		0		2776
	2		2332		2		3048
	4		3813		4		3622
	6		3880		6		3709
	8		3912		8		3753
	10		3928		10		3789
	12		3944		12		3813
	18		3968		18		3855
	24		3976		36		3908
	30		3980		54		3920
	36		3982		72		3932
	42		3984		90		3940
	48		3986		108		3946
	54		3988		126		3052
	60		3988		144		3956
					162		3960
					180		3964

PH. 366-0811

PERMIAN TESTERS, INC.
ODESSA, TEXAS 79762

P. O. BOX 6441

BOTTOM HOLE SAMPLER REPORT

Date October 23, 1985 Ticket No. 6080
Company Amerind Oil Company
Well Name & No. Sanders-State # 1 DST No. 2
County Lea State New Mexico
Sampler No. _____ Test Interval 10,465 To 10,550
Pressure in Sampler 1000 PSI BHT 156 °F

Total Volume of Sampler: 1800 cc.
Oil: 200 cc.
Water: 1200 cc.
Mud: _____ cc.
Gas: 1.418 cu. ft.
Other: _____

Resistivity

Drilling Fluid In Plts 0.225 @ 60 °F Chloride Content 35,000 ppm.
Fluid from Sampler 0.250 @ 60 °F Chloride Content 30,000 ppm.
Gas/Oil Ratio _____ Gravity 41 -API @ 60 °F
Where was sample drained Rig

Remarks: _____

