

BOTTOM HOLE CHOKE	5/8"	SURFACE	" Adj.	CUSHION	none	ELEVATION	3810'	G.L.
TIME TOOL OPENED	8:52 A.M.			RECORDER DATA				
TOOL OPEN BEFORE I.S.I.P.			5 MIN.	TYPE	AK-1	CAPACITY	8375#	
INITIAL SHUT-IN	1 HRS.	0 MIN.	TOP	13832	DEPTH	11118		
TOOL OPEN	1 HRS.	0 MIN.	BOTTOM	13833	DEPTH	11195		
FINAL SHUT-IN	3 HRS.	0 MIN.	CLOCK TOP	18 Hr.	BOTTOM	24 Hr.		
SURFACE ACTION	Preflow:	Open with a good blow increasing to 4 lb. @ 5 min.						
	Final Flow:	Open with a good blow. Open ½" choke at 3 min. 5 min.- 12½ lb. 10 min. - 17 lb.; 15 min. - 20 lb.; GTS @ 15 min. Changed ½" choke to ¾" choke. 20 min. - 11½ lb.; 25 min.- 10 lb.; 30 min - 9 lb.; 35-40 min. - 8½ lb.; 45 - 60 min. stabilized at 9 lb. = 108 MCF/D.						
RECOVERY	890' Fluid, Reversed Out All very heavy gas & Oil cut drlg. mud (foam)							
	3.4 bbls in Drill Pipe							
	3.38 bbls in Drill Collars							
	6.78 bbls Total							
SUCCESSFUL TEST	Yes							

COMPANY Amerind Oil Company
LEASE NAME & NO. State "29" Com. #1
INTERVAL TESTED 11,135 - 11,198 63'

COUNTY Lea
STATE New Mexico
FORMATION Lower Strawn

DATE December 8, 1988
TICKET # 6736
TEST # 1

TOTAL DEPTH	11198	MAIN HOLE	7 7/8
DEPTH OF CSG.	4210	CASING SIZE	8 5/8
MUD WT.	8.8	VISCOSITY	34
WATER LOSS	12	CAKE	
TYPE MUD	Fresh Water Gel, Starch		
CHLORIDE	2,000 PPM		
RESISTIVITY	3.2	•	60 °F

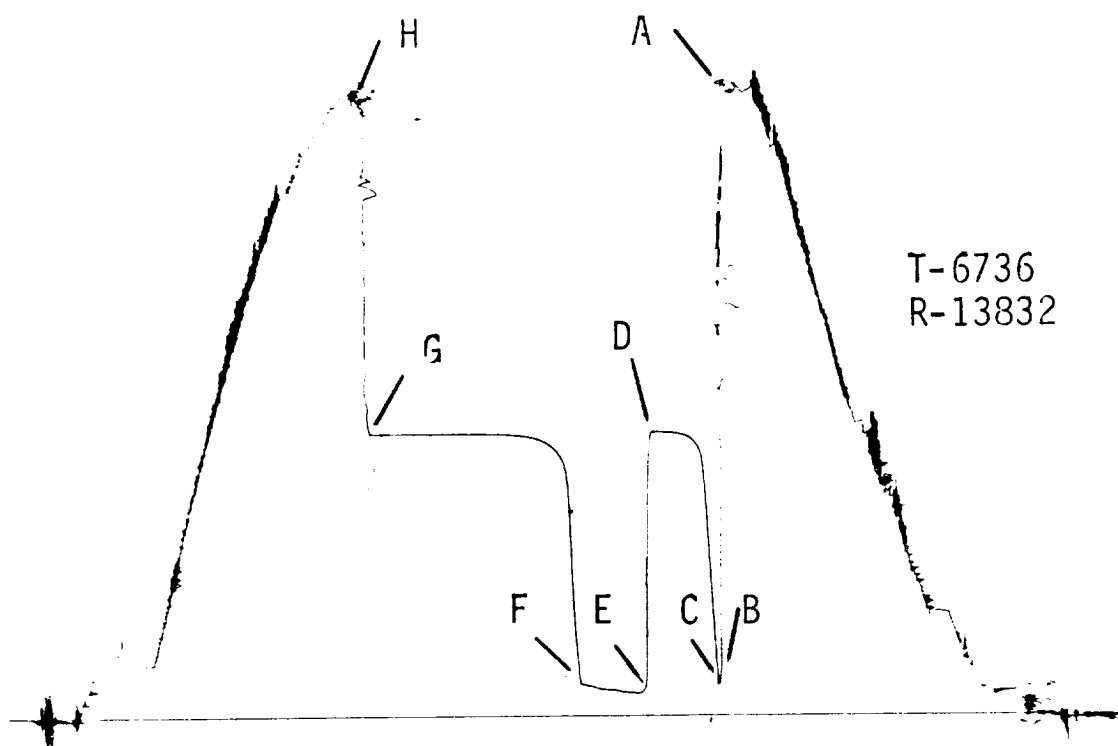
NO PACKERS		2		
SIZE PACKERS		6 3/4		
CONVENTIONAL TEST		Yes		
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4½ XH DP		10445	3.8	4.5
4½ XH DC		620	2.3	6.25
Cir Sub	11065	1		
1 DC		30		
Shut-in		6		
Sampler		3		
Hyd. Tool		5		
Jars		7		
Recorder		5		
Safety Jt.		2		
Packer	11129	6		
Packer	11135	6		
Perf				
1 DC				
Perf				
Recorder		63		
DRLG. CONT.	Moranco		RIG #	7

PRESSURE IN SAMPLER	200	PSI
BHT	181 °F @	11.117 F.T.
OIL:	400	CC.
WATER:	0	CC.
MUD:	Oil Cut 200	CC.
GAS:	.865	CU.FT.
RESISTIVITY	@	°F
CHLORIDE		PPM.
GRAVITY	45.9 •API @	60 °F
CAPACITY	1800 cc	

MARKS: _____

ESTER Don Terhune

APPROVED BY: JLM Yeley



RECORDER NO. 13832 DEPTH 11118 FT.

INITIAL FLOW

DT(MIN) PRESSURE(PSIG)

0	349.9
5	248.8

RECORDER NO. 13832 DEPTH 11118 FT.

FINAL FLOW

DT(MIN) PRESSURE(PSIG)

0	269.9
5	185.6
10	189.8
15	191.9
20	198.2
25	210.9
30	213.0
40	221.4
50	244.6
58	263.5

I Hyd 5113.4

F Hyd 5045.9

RECORDER NO. 13832 DEPTH 11118 FT.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 5 MIN.

<u>DT(MIN)</u>	<u>LOG((T+DT)/DT)</u>	<u>PRESSURE(PSIG)</u>	<u>DP(PSIG)</u>
0		248.8	0.0
1	.778	444.8	196.0
2	.544	564.9	316.1
3	.426	710.3	461.5
4	.352	855.6	606.8
5	.301	954.5	705.7
6	.263	1112.2	863.4
7	.234	1236.2	987.4
8	.211	1423.0	1174.2
9	.192	1550.8	1302.0
10	.176	1720.4	1471.6
12	.151	1940.0	1691.2
14	.133	2086.2	1837.4
16	.118	2155.1	1906.3
18	.106	2182.3	1933.5
20	.097	2203.1	1954.3
25	.079	2244.9	1996.1
30	.067	2263.7	2014.9
35	.058	2276.2	2027.4
40	.051	2282.4	2033.6
45	.046	2286.6	2037.8
50	.041	2288.7	2039.9
55	.038	2289.7	2040.9
60	.035	2290.8	2042.0

EXTRAPOLATED PRESSURE: 2308.6 PSI
SLOPE: 497.5 PSI/LOG CYCLE
POINTS USED: 5

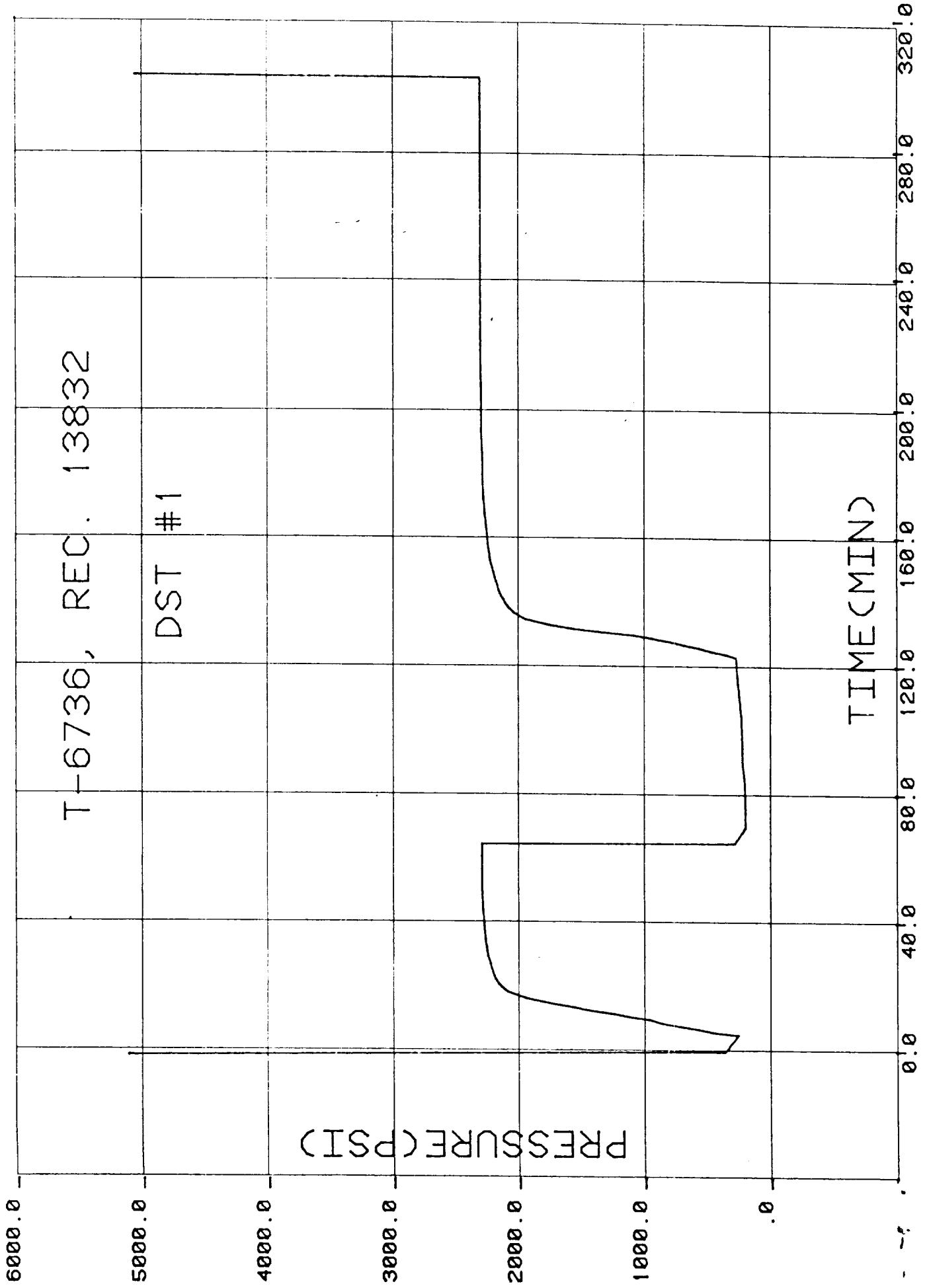
RECORDER NO. 13832 DEPTH 11118 FT.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 63 MIN.

DT (MIN)	LOG((T+DT)/DT)	PRESSURE (PSIG)	DP (PSIG)
0		263.5	0.0
1	1.806	337.3	73.7
2	1.512	457.4	193.9
3	1.342	552.2	288.7
4	1.224	672.3	408.8
5	1.134	786.1	522.5
6	1.061	931.3	667.8
7	1.000	1074.4	810.8
8	.948	1341.1	1077.6
9	.903	1557.1	1293.6
10	.863	1718.3	1454.8
12	.796	1940.0	1676.5
14	.740	2027.7	1764.2
16	.694	2077.9	1814.3
18	.653	2107.1	1843.6
20	.618	2134.2	1870.7
25	.547	2178.1	1914.5
30	.491	2213.6	1950.0
35	.447	2230.3	1966.7
40	.411	2244.9	1981.3
45	.380	2255.3	1991.8
50	.354	2265.7	2002.2
55	.332	2272.0	2008.5
60	.312	2276.2	2012.6
70	.279	2280.3	2016.8
80	.252	2282.4	2018.9
90	.230	2284.5	2021.0
100	.212	2285.6	2022.0
110	.197	2286.6	2023.1
120	.183	2287.6	2024.1
150	.152	2288.7	2025.2
180	.130	2288.7	2025.2

EXTRAPOLATED PRESSURE: 2297.6 PSI
SLOPE: 56.6 PSI/LOG CYCLE
POINTS USED: 8



HORNER PLOT

AMERIND OIL COMPANY

STATE '29' COM. #1, DST #1

T-6736, REC. 13832

P*1 = 2308.6 psi 5 pts.

P*f = 2297.6 psi 8 pts.

PRESSURE (PSI)

$((T+DT)/DT)$

100:0 500 1000 1500 2000 2500 3000 10:0 1:0

