

Well Test Report # 36867 E

— FOR —

NORTHWEST EXPLORATION COMPANY

Well Name & No.: GAVILAN #1-E

County RIO ARRIBA

State NEW MEXICO

Test No. 1

Date 7-10-83

Location SEC. 26 T25N R2W

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

~~NORTHWEST~~ EXHIBIT NO. 14

CASE NO. 8042

DST BASIC DATA Report

Johnston-Macco

A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

DST BASIC DATA REPORT

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BACK COVER

JOHNSTON-MACCO

Schlumberger

WESTERN REGION
1745 STOUT SUITE 300
DENVER, COLORADO 80202
(303) 623-0760

JULY 18, 1983

INTRODUCTION;

DST #4 ON GAVILAN #1E IN RIO ARRIBA COUNTY, NEW MEXICO, WAS A MECHANICALLY UNSUCCESSFUL TEST DUE TO A DRILL PIPE LEAK PRIOR TO AND DURING THE TEST. WITHOUT Q (FLOW RATE), IT IS IMPOSSIBLE TO DETERMINE RESERVOIR PARAMETERS. LOG-LOG AND HORNER PLOTS HAVE BEEN GENERATED FOR THE INITIAL SHUT-IN PRESSURE BUILD-UP. RESERVOIR PRESSURE EXTRAPOLATED TO 2177 PSIA FROM THE INITIAL SHUT-IN.

Debora Hallford

DEBORA HALLFORD
SR. CHART ANALYST
DENVER RESERVOIR EVALUATION DEPT.
FIELD REPORT NO. 36867 E
TEST NO. 4

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

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DST DATA SUMMARY

Company NORTHWEST EXPLORATION COMPANY

Well GAVILAN #1-E

County RIO ARriba

State NEW MEXICO

Date 7-10-83

Test # 4

Location SEC. 26 T25N R2W

HOLE	T.D. <u>8160</u> ft	Test Interval <u>6804</u> ft to <u>7366</u> ft
	Formation <u>GALLOP</u>	Packer Depths <u>6753</u> ft
MUD	Weight <u>8.4</u> lb/gal	Resistivity <u> </u> Ω -m @ <u> </u> °F
MUD FILTRATE	Chlorides <u>12000</u> ppm	Nitrates <u> </u> ppm
	Resistivity <u> </u> Ω -m @ <u> </u> °F	
REPORTED PIPE RECOVERY	Fluid 1. <u>HIGHLY GAS CUT</u> % Oil <u> </u> Length <u>4299</u> ft Volume <u>16.6</u> bbl (WATER, VERY SLIGHTLY OIL CUT) 2. <u>HIGHLY GAS CUT</u> <u> </u> <u>70</u> <u>.3</u> (OIL CUT WATER) 3. <u> </u> <u> </u> <u> </u> Test Tool 4. <u> </u> <u> </u> <u> </u>	
PIPE RECOVERY FLUID PROPERTIES	Fluid 1. Resistivity <u> </u> Ω -m @ <u> </u> °F Chlorides <u>186K</u> ppm Nitrates <u> </u> ppm 2. <u> </u> <u> </u> <u>198K</u> 3. <u> </u> <u> </u> <u> </u> Test Tool 4. <u> </u> <u> </u> <u> </u>	
	Oil Gravity <u> </u> °API @ <u> </u> °F	
SAMPLE¹ CHAMBER RECOVERY	Fluid 1. Gas <u> </u> Volume <u> </u> ft ³ Pressure <u> </u> psig 2. Oil <u> </u> <u> </u> cc GOR <u> </u> scf/bbl 3. <u> </u> <u> </u> GLR <u> </u> scf/bbl 4. <u> </u> <u> </u> Oil Gravity <u> </u> °API @ <u> </u> °F	
BOTTOMHOLE PRESSURE	Period 1. Initial Flow <u>X</u> Duration <u>4</u> min Pressures <u>964</u> psia to <u>526</u> psia 2. INITIAL SHUT-IN <u>90</u> <u>526</u> <u>2154</u> 3. SECOND FLOW <u>60</u> <u>819</u> <u>1234</u> 4. SECOND SHUT-IN <u>58</u> <u>1234</u> <u>1851</u> 5. THIRD FLOW <u>10</u> <u>1397</u> <u>1402</u> 6. FINAL SHUT-IN <u>172</u> <u>1402</u> <u>1926</u> FINAL FLOW <u>723</u> <u>1660</u> <u>1923</u> Initial Hydrostatic <u>2698</u> psia Final Hydrostatic <u>2776</u> psia	
BHT <u>162</u> °F		
Gauge <u>J-253</u>		
Depth <u>6768</u> ft		

¹Gas Volume is Corrected to Final Flowing Pressure psia

& Reservoir Temperature °F

DST EVENT SUMMARY

Field Report # 36867 E

DATE (M/D/Y)	TIME (HR:MIN)	EVENT ET. (MIN)	EVENT DESCRIPTION	SURFACE PRESSURE (PSIG)	FLOOR MANIFOLD CHOKE SIZE (64ths INCH)
7-10-83	1147	—	SET PACKER 1		BUBBLE HOSE
	1148	—	START FLOW 2	10 OZ	1/4"
	1150			14 OZ	"
	1152			22 OZ	"
	1153	—	END FLOW & START SHUT-IN 3	24 OZ	"
	1132		FINISHED SHUT-IN 4		"
	1324	—	START FLOW 5		"
	1328			38 OZ	"
	1353		GAS TO SURFACE	4 LBS	"
	1412			7 LBS	1/8"
	1418			5.5 LBS	"
	1424		END FLOW START SHUT-IN 6		"
	1521		FINISHED SHUT-IN 7		"
	1520		START FLOW 8		"
	1533		END FLOW START SHUT-IN 9		"
	1823		END SHUT-IN 10		"
		—			
	1825		START FLOW 11		"
	2225		CYCLED TOOL 12		"
	0632	—	END FLOW 13		"
	0633	—	UNSEATED PACKER 14		—
		—	REVERSED OUT		
		—	BEGAN TRIP OUT OF HOLE		

BOTTOMHOLE PRESSURE LOG

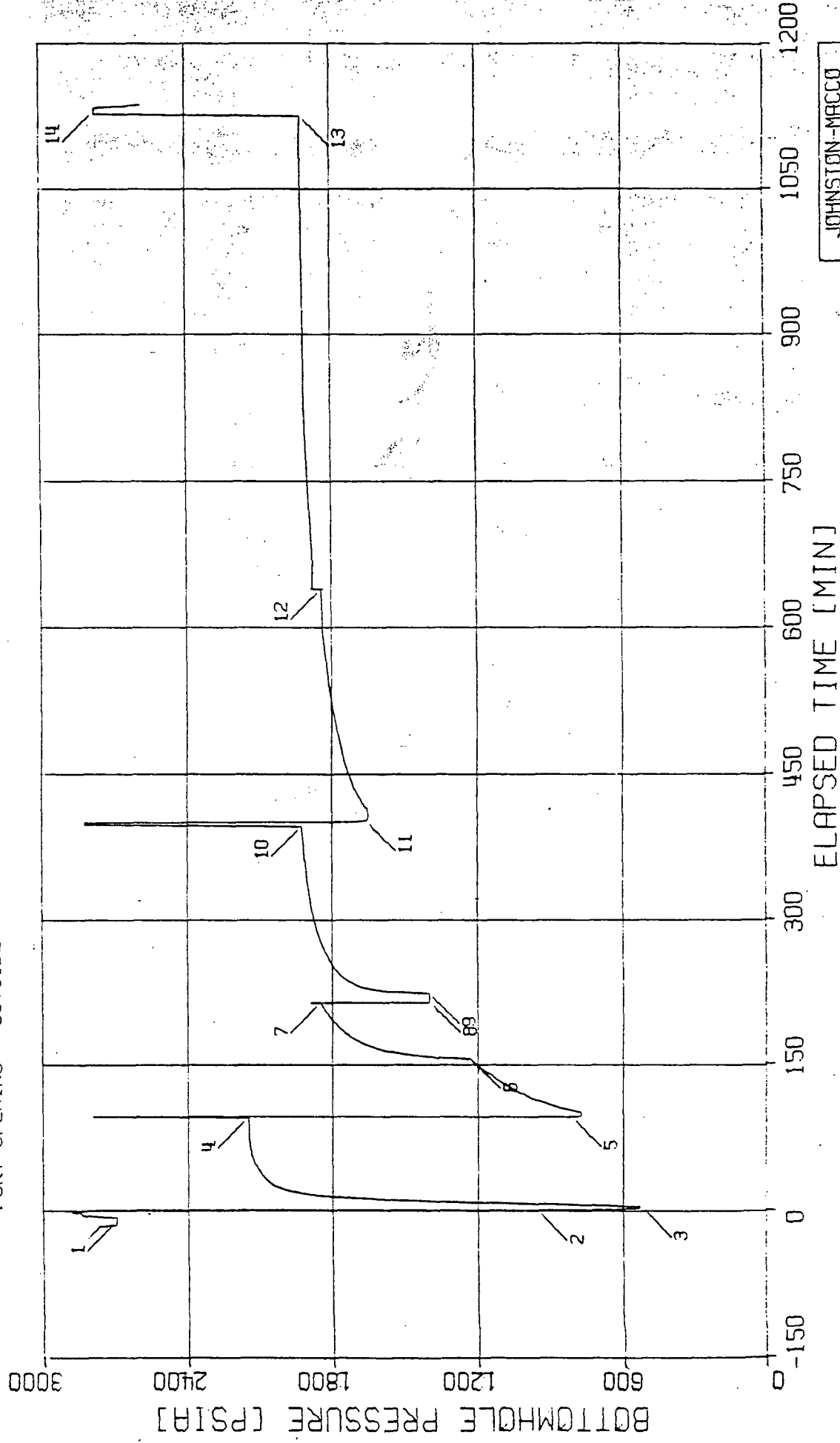
FIELD REPORT NO. 36867E COMPANY : NORTHWEST EXPLORATION COMPANY

INSTRUMENT NO. J-253 WELL : GAVILAN #1-E

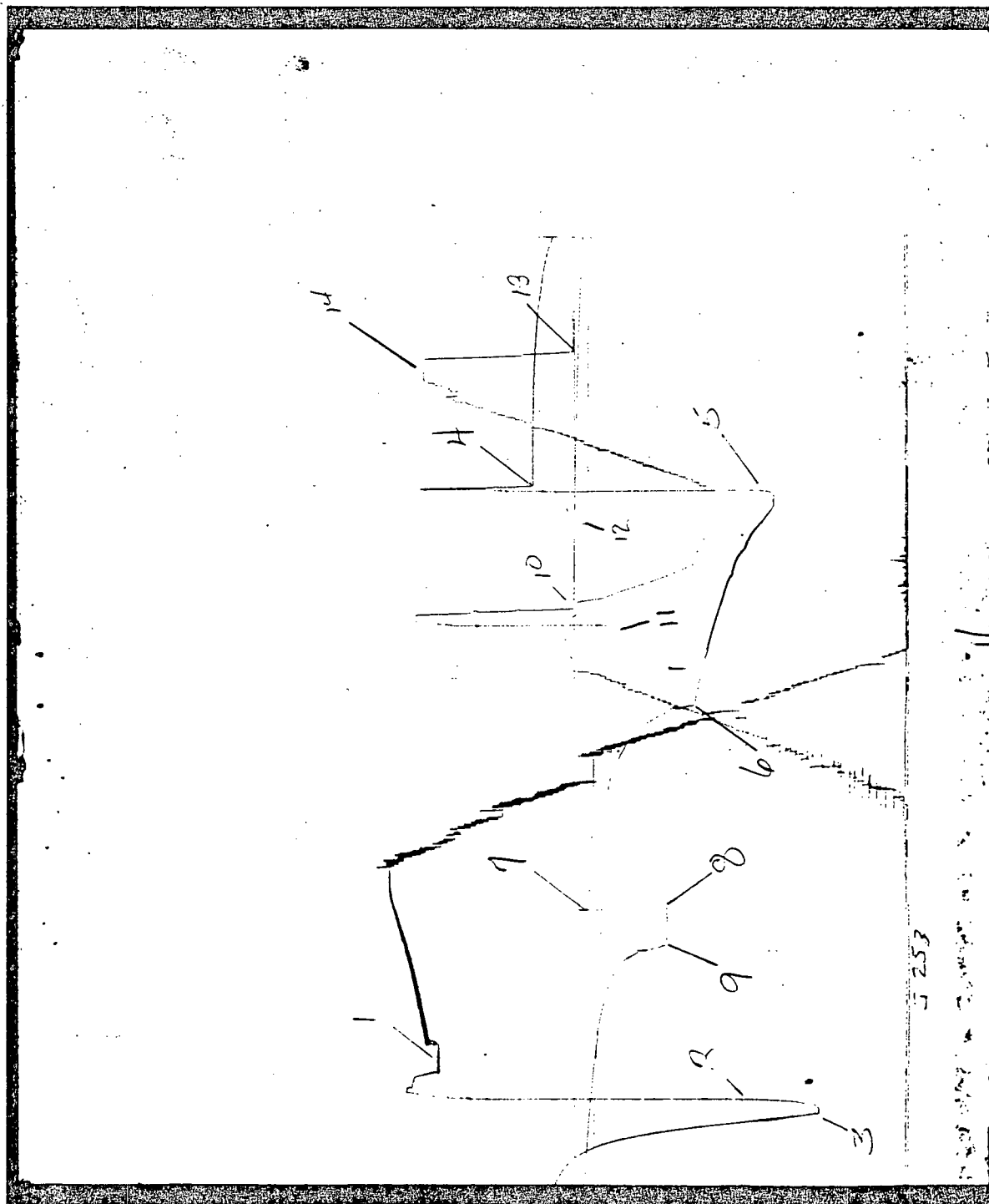
DEPTH : 6768 FT

CAPACITY : 4700 PSI

PORT OPENING : OUTSIDE



FIELD REPORT NO.: 36867 E CAPACITY: 4700#
INSTRUMENT NO.: J-253 NUMBER OF REPORTS: 12



AT (MIN)

HOKNER PLOT

FIELD REPORT NO. 368675
INSTRUMENT NO. J-253

COMPANY : HIGHTHVEST EXPLORATION COMPANY

WELL : GRAYLAN #1-E

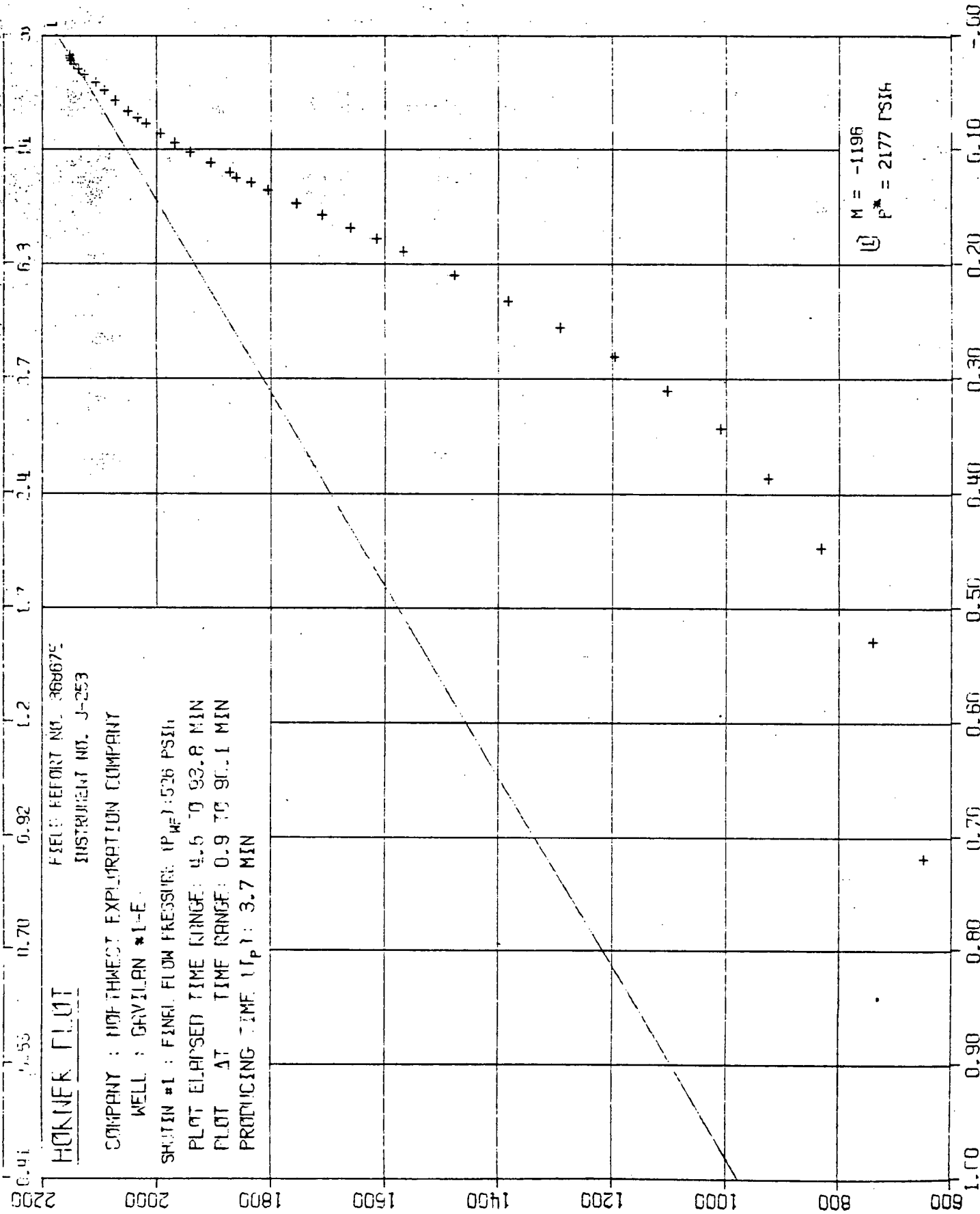
SHUTIN #1 : FINAL FLOW PRESSURE (P_{WF}) : 576 PSIH

PLOT ELAPSED TIME (RANGE) : 4.5 TO 93.8 MIN

PLOT AT TIME (RANGE) : 0.9 TO 90.1 MIN

PRODUCING TIME (T_p) : 3.7 MIN

SHUTIN PRESSURE [PSIH]



LOG $\left[\frac{T_p + \Delta T}{\Delta T} \right]$

SHUTIN-MHCCG

SOIL TEMPERATURE

DST EQUIPMENT CONFIGURATION

Field Report # 36867 E

COMPONENT		OD (IN)	ID (IN)	LENGTH (FT)	DEPTH (FT)		
SURFACE	FLARE (PIT) LINE						
	FLOOR MANIFOLD	—	—	—	—		
	FLOW HOSE				—		
					—		
					—		
	CONTROL HEAD				—		
	DRILL PIPE ABOVE ROTARY TABLE				R.T.		
DRILL PIPE & COLLARS	TUBING	2.375	1.995	6646	6646		
	REVERSE CIRCULAR VALVE						
	TUBING			93			
	X-OVER						
	SAFETY JOINT						
TEST TOOL STRING	PACKER				6753		
	PERFORATED PUP JOINT						
	RECORDER				6763		
	RECORDER				6769		
CUSHION TYPE		LENGTH (FT)		SURFACE PRESSURE (PSIG)			
NONE							
INTERVAL	Type	MFE-CASED HOLE		PRESSURE	Size		
		CSG.				Density	
	Size	6 1/4" OH - 4 1/2 in					Total
	Weight	lb/ft					
Interval(s)		6804 - 7366 (108 FT.)		ft			

Size .32 in Density .14 spf
 Gun Total 15 shots
 Interval(s) 6804 - 7366 (108 FT.) ft

 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 36867E

COMPANY : NORTHWEST EXPLORATION COMPANY
 WELL : GAVILAN #1-E

INSTRUMENT # : J-253
 CAPACITY [PSID] : 4700.
 DEPTH [FT] : 6768.0
 PORT OPENING : OUTSIDE
 TEMPERATURE [DEG F] : 162.0

LABEL POINT INFORMATION

#	TIME OF DAY	DATE	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA
#	HH:MM:SS	DD-MM			
1	11:37:28	10-JY	HYDROSTATIC RUD	10.53	2698
2	11:40:00	10-JY	START FLOW	0.00	964
3	11:51:42	10-JY	END FLOW & START SHUT-IN	3.70	526
4	13:21:46	10-JY	END SHUT-IN	93.77	2154
5	13:23:02	10-JY	START FLOW	95.04	819
6	14:23:02	10-JY	END FLOW & START SHUT-IN	155.03	1234
7	15:21:01	10-JY	END SHUT-IN	213.02	1397
8	15:21:26	10-JY	START FLOW	213.43	1397
9	15:30:58	10-JY	END FLOW & START SHUT-IN	222.97	1402
10	18:23:23	10-JY	END SHUT-IN	395.39	1926
11	18:29:10	10-JY	START FLOW	401.16	1660
12	22:26:20	10-JY	CYCLED TOOL	7638.34	1844
13	6:32:00	11-JY	END FLOW	1124.00	1923
14	6:36:32	11-JY	HYDROSTATIC RUD	1128.54	2776

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	3.70	3.70	964	526
2	95.04	155.03	59.99	819	1234
3	213.43	222.97	9.54	1397	1402
4	401.16	1124.00	722.84	1660	1923

SUMMARY OF SHUTIN PERIODS

	START ELAPSED PERIOD	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLDW PRESSURE PSIA	PRODUCING TIME, MIN
*****	*****	*****	*****	*****	*****	*****	*****
1	3.70	93.77	90.07	526	2154	526	3.70
2	155.03	213.02	57.99	1234	1851	1234	63.69
3	222.97	395.39	172.42	1402	1926	1402	73.23

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
11:48:40	10-JY	0.00	0.00	1964
11:51:42	10-JY	3.70	3.70	526

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE [PSIA] = 526

PRODUCING TIME [MIN] = 3.70

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
11:51:42	10-JY	3.70	0.00	526	0	
11:52:42	10-JY	4.70	1.00	666	140	0.672
11:53:42	10-JY	5.70	2.00	821	295	0.455
11:54:42	10-JY	6.70	3.00	999	473	0.349
11:55:42	10-JY	7.70	4.00	1167	660	0.284
11:56:42	10-JY	8.70	5.00	1352	826	0.241
11:57:42	10-JY	9.70	6.00	1425	959	0.209
11:58:42	10-JY	10.70	7.00	1591	1065	0.184
11:59:42	10-JY	11.70	8.00	1678	1152	0.165
12: 0:42	10-JY	12.70	9.00	1749	1223	0.150
12: 1:42	10-JY	13.70	10.00	1806	1280	0.137
12: 3:42	10-JY	15.70	12.00	1891	1365	0.117
12: 5:42	10-JY	17.70	14.00	1949	1422	0.102
12: 7:42	10-JY	19.70	16.00	1985	1459	0.090
12: 9:42	10-JY	21.70	18.00	2012	1486	0.081
12:11:42	10-JY	23.70	20.00	2035	1509	0.074
12:13:42	10-JY	25.70	22.00	2052	1526	0.068
12:15:42	10-JY	27.70	24.00	2064	1538	0.062
12:17:42	10-JY	29.70	26.00	2075	1549	0.058
12:19:42	10-JY	31.70	28.00	2087	1557	0.054
12:21:42	10-JY	33.70	30.00	2090	1564	0.051
12:26:42	10-JY	38.70	35.00	2105	1579	0.044
12:31:42	10-JY	43.70	40.00	2119	1592	0.038
12:36:42	10-JY	48.70	45.00	2130	1604	0.034
12:41:42	10-JY	53.70	50.00	2137	1611	0.031
12:46:42	10-JY	58.70	55.00	2142	1616	0.028
12:51:42	10-JY	63.70	60.00	2147	1621	0.026
12:56:42	10-JY	68.70	65.00	2149	1623	0.024
13: 1:42	10-JY	73.70	70.00	2151	1625	0.022
13: 6:42	10-JY	78.70	75.00	2153	1626	0.021
13:11:42	10-JY	83.70	80.00	2153	1627	0.020
13:16:42	10-JY	88.70	85.00	2154	1627	0.019
13:21:42	10-JY	93.70	90.00	2154	1627	0.017
13:21:46	10-JY	93.77	90.07	2154	1627	0.017

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BDT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****

13:23: 2	10-JY	95.04	0.00	819
13:28: 2	10-JY	100.04	5.00	783
13:33: 2	10-JY	105.04	10.00	867
13:38: 2	10-JY	110.04	15.00	928
13:43: 2	10-JY	115.04	20.00	988
13:48: 2	10-JY	120.04	25.00	1031
13:53: 2	10-JY	125.04	30.00	1066
13:58: 2	10-JY	130.04	35.00	1100
14: 3: 2	10-JY	135.04	40.00	1131
14: 8: 2	10-JY	140.04	45.00	1157
14:13: 2	10-JY	145.04	50.00	1187
14:18: 2	10-JY	150.04	55.00	1212
14:23: 2	10-JY	155.03	59.99	1234

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 1234

PRODUCING TIME [MIN] = 63.69

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BDT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****

14:23: 2	10-JY	155.03	0.00	1234	0	
14:24: 2	10-JY	156.03	1.00	1334	100	1.813
14:25: 2	10-JY	157.03	2.00	1385	151	1.516
14:26: 2	10-JY	158.03	3.00	1423	189	1.747
14:27: 2	10-JY	159.03	4.00	1462	228	1.228
14:28: 2	10-JY	160.03	5.00	1500	266	1.138
14:29: 2	10-JY	161.03	6.00	1529	294	1.065
14:30: 2	10-JY	162.03	7.00	1552	318	1.004
14:31: 2	10-JY	163.03	8.00	1573	339	0.952
14:32: 2	10-JY	164.03	9.00	1590	356	0.907
14:33: 2	10-JY	165.03	10.00	1605	371	0.867
14:35: 2	10-JY	167.03	12.00	1631	397	0.800
14:37: 2	10-JY	169.03	14.00	1655	421	0.744
14:39: 2	10-JY	171.03	16.00	1676	442	0.697
14:41: 2	10-JY	173.03	18.00	1693	459	0.657
14:43: 2	10-JY	175.03	20.00	1707	473	0.622
14:45: 2	10-JY	177.03	22.00	1720	486	0.591
14:47: 2	10-JY	179.03	24.00	1732	498	0.563
14:49: 2	10-JY	181.03	26.00	1743	509	0.538
14:51: 2	10-JY	183.03	28.00	1753	519	0.515
14:53: 2	10-JY	185.03	30.00	1763	529	0.495
14:58: 2	10-JY	190.03	35.00	1784	550	0.450
15: 3: 2	10-JY	193.03	40.00	1802	567	0.414
15: 8: 2	10-JY	200.03	45.00	1818	583	0.383
15:13: 2	10-JY	205.03	50.00	1832	598	0.357

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 1234

PRODUCING TIME [MIN] = 63.69

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
15:18:	2-10-JY	210.03	55.00	1844	610	0.334
15:21:	1-10-JY	213.02	57.99	1851	617	0.322

TEST PHASE : FLOW PERIOD # 3

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
15:21:26	10-JY	213.43	0.00	1397
15:26:26	10-JY	218.43	5.00	1397
15:30:58	10-JY	222.97	9.54	1402

TEST PHASE : SHUTIN PERIOD # 3

FINAL FLOW PRESSURE [PSIA] = 1402

PRODUCING TIME [MIN] = 73.23

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
15:30:58	10-JY	222.97	0.00	1402	0	
15:31:58	10-JY	223.97	1.00	1472	70	1.871
15:32:58	10-JY	224.97	2.00	1539	157	1.575
15:33:58	10-JY	225.97	3.00	1597	194	1.405
15:34:58	10-JY	226.97	4.00	1628	225	1.286
15:35:58	10-JY	227.97	5.00	1651	249	1.194
15:36:58	10-JY	228.97	6.00	1669	266	1.121
15:37:58	10-JY	229.97	7.00	1684	282	1.059
15:38:58	10-JY	230.97	8.00	1695	293	1.007
15:39:58	10-JY	231.97	9.00	1705	303	0.961
15:40:58	10-JY	232.97	10.00	1714	312	0.920
15:42:58	10-JY	234.97	12.00	1730	327	0.851
15:44:58	10-JY	236.97	14.00	1742	339	0.795
15:46:58	10-JY	238.97	16.00	1753	351	0.746
15:48:58	10-JY	240.97	18.00	1764	362	0.705
15:50:58	10-JY	242.97	20.00	1774	371	0.669
15:52:58	10-JY	244.97	22.00	1782	379	0.636
15:54:58	10-JY	246.97	24.00	1788	385	0.608
15:56:58	10-JY	248.97	26.00	1794	391	0.582
15:58:58	10-JY	250.97	28.00	1799	397	0.558
16: 0:58	10-JY	252.97	30.00	1803	401	0.537
16: 5:58	10-JY	257.97	35.00	1814	412	0.490

TEST PHASE : SHUTIN PERIOD # 3

FINAL FLOW PRESSURE [PSIA] = 1402

PRODUCING TIME [MIN] = 73.23

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
16:10:58	10-JY	262.97	40.00	1825	422	0.452
16:15:58	10-JY	267.97	45.00	1834	432	0.420
16:20:58	10-JY	272.97	50.00	1843	441	0.392
16:25:58	10-JY	277.97	55.00	1851	448	0.368
16:30:58	10-JY	282.97	60.00	1857	455	0.346
16:35:58	10-JY	287.97	65.00	1864	462	0.328
16:40:58	10-JY	292.97	70.00	1871	468	0.311
16:45:58	10-JY	297.97	75.00	1876	473	0.296
16:50:58	10-JY	302.97	80.00	1880	478	0.282
16:55:58	10-JY	307.97	85.00	1884	481	0.270
17: 0:58	10-JY	312.97	90.00	1888	486	0.259
17: 5:58	10-JY	317.97	95.00	1891	489	0.248
17:10:58	10-JY	322.97	100.00	1894	492	0.239
17:15:58	10-JY	327.97	105.00	1898	495	0.230
17:20:58	10-JY	332.97	110.00	1901	498	0.222
17:25:58	10-JY	337.97	115.00	1903	501	0.214
17:30:58	10-JY	342.97	120.00	1906	504	0.207
17:35:58	10-JY	347.97	125.00	1908	506	0.200
17:40:58	10-JY	352.97	130.00	1910	508	0.194
17:45:58	10-JY	357.97	135.00	1913	510	0.188
17:50:58	10-JY	362.97	140.00	1915	513	0.183
17:55:58	10-JY	367.97	145.00	1917	515	0.178
18: 0:58	10-JY	372.97	150.00	1919	517	0.173
18: 5:58	10-JY	377.97	155.00	1921	518	0.168
18:10:58	10-JY	382.97	160.00	1922	519	0.164
18:15:58	10-JY	387.97	165.00	1923	521	0.160
18:20:58	10-JY	392.97	170.00	1925	523	0.156
18:23:23	10-JY	395.39	172.42	1926	524	0.154

TEST PHASE : FLOW PERIOD # 4

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
18:29:10	10-JY	401.16	0.00	1660
18:34:10	10-JY	406.16	5.00	1651
18:39:10	10-JY	411.16	10.00	1652
18:44:10	10-JY	416.16	15.00	1662
18:49:10	10-JY	421.16	20.00	1676
18:54:10	10-JY	426.16	25.00	1687
18:59:10	10-JY	431.16	30.00	1698
19: 4:10	10-JY	436.16	35.00	1709
19: 9:10	10-JY	441.16	40.00	1716
19:14:10	10-JY	446.16	45.00	1723

TEST PHASE : FLOW PERIOD # 4

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
19:19:10	10-JY	451.16	50.00	1731
19:24:10	10-JY	456.16	55.00	1738
19:29:10	10-JY	461.16	60.00	1745
19:34:10	10-JY	466.16	65.00	1751
19:39:10	10-JY	471.16	70.00	1756
19:44:10	10-JY	476.16	75.00	1761
19:49:10	10-JY	481.16	80.00	1766
19:54:10	10-JY	486.16	85.00	1771
19:59:10	10-JY	491.16	90.00	1776
20: 4:10	10-JY	496.16	95.00	1780
20: 9:10	10-JY	501.16	100.00	1784
20:14:10	10-JY	506.16	105.00	1788
20:19:10	10-JY	511.16	110.00	1792
20:24:10	10-JY	516.16	115.00	1795
20:29:10	10-JY	521.16	120.00	1799
20:34:10	10-JY	526.16	125.00	1802
20:39:10	10-JY	531.16	130.00	1806
20:44:10	10-JY	536.16	135.00	1809
20:49:10	10-JY	541.16	140.00	1812
20:54:10	10-JY	546.16	145.00	1815
20:59:10	10-JY	551.16	150.00	1818
21: 4:10	10-JY	556.16	155.00	1820
21: 9:10	10-JY	561.16	160.00	1822
21:14:10	10-JY	566.16	165.00	1824
21:19:10	10-JY	571.16	170.00	1826
21:24:10	10-JY	576.16	175.00	1828
21:29:10	10-JY	581.16	180.00	1831
21:34:10	10-JY	586.16	185.00	1833
21:39:10	10-JY	591.16	190.00	1836
21:44:10	10-JY	596.16	195.00	1838
21:49:10	10-JY	601.16	200.00	1838
21:54:10	10-JY	606.16	205.00	1839
21:59:10	10-JY	611.16	210.00	1839
22: 4:10	10-JY	616.16	215.00	1839
22: 9:10	10-JY	621.16	220.00	1839
22:14:10	10-JY	626.16	225.00	1841
22:19:10	10-JY	631.16	230.00	1842
22:24:10	10-JY	636.16	235.00	1843
22:29:10	10-JY	641.16	240.00	1878
22:34:10	10-JY	646.16	245.00	1878
22:39:10	10-JY	651.16	250.00	1878
22:44:10	10-JY	656.16	255.00	1877
22:49:10	10-JY	661.16	260.00	1877
22:54:10	10-JY	666.16	265.00	1878
22:59:10	10-JY	671.16	270.00	1879
23: 4:10	10-JY	676.16	275.00	1881
23: 9:10	10-JY	681.16	280.00	1882
23:14:10	10-JY	686.16	285.00	1883
23:19:10	10-JY	691.16	290.00	1885

TEST PHASE : FLOW PERIOD # 4

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
23:24:10	10-JY	696.16	295.00	1886
23:29:10	10-JY	701.16	300.00	1887
23:34:10	10-JY	706.16	305.00	1889
23:39:10	10-JY	711.16	310.00	1890
23:44:10	10-JY	716.16	315.00	1892
23:49:10	10-JY	721.16	320.00	1893
23:54:10	10-JY	726.16	325.00	1894
23:59:10	10-JY	731.16	330.00	1895
0: 4:10	11-JY	736.16	335.00	1896
0: 9:10	11-JY	741.16	340.00	1897
0:14:10	11-JY	746.16	345.00	1898
0:19:10	11-JY	751.16	350.00	1899
0:24:10	11-JY	756.16	355.00	1900
0:29:10	11-JY	761.16	360.00	1901
0:34:10	11-JY	766.16	365.00	1902
0:39:10	11-JY	771.16	370.00	1904
0:44:10	11-JY	776.16	375.00	1905
0:49:10	11-JY	781.16	380.00	1906
0:54:10	11-JY	786.16	385.00	1907
0:59:10	11-JY	791.16	390.00	1908
1: 4:10	11-JY	796.16	395.00	1909
1: 9:10	11-JY	801.16	400.00	1910
1:14:10	11-JY	806.16	405.00	1911
1:19:10	11-JY	811.16	410.00	1912
1:24:10	11-JY	816.16	415.00	1913
1:29:10	11-JY	821.16	420.00	1914
1:34:10	11-JY	826.16	425.00	1914
1:39:10	11-JY	831.16	430.00	1914
1:44:10	11-JY	836.16	435.00	1915
1:49:10	11-JY	841.16	440.00	1915
1:54:10	11-JY	846.16	445.00	1915
1:59:10	11-JY	851.16	450.00	1915
2: 4:10	11-JY	856.16	455.00	1915
2: 9:10	11-JY	861.16	460.00	1916
2:14:10	11-JY	866.16	465.00	1916
2:19:10	11-JY	871.16	470.00	1916
2:24:10	11-JY	876.16	475.00	1916
2:29:10	11-JY	881.16	480.00	1916
2:34:10	11-JY	886.16	485.00	1916
2:39:10	11-JY	891.16	490.00	1916
2:44:10	11-JY	896.16	495.00	1916
2:49:10	11-JY	901.16	500.00	1916
2:54:10	11-JY	906.16	505.00	1917
2:59:10	11-JY	911.16	510.00	1917
3: 4:10	11-JY	916.16	515.00	1917
3: 9:10	11-JY	921.16	520.00	1917
3:14:10	11-JY	926.16	525.00	1917
3:19:10	11-JY	931.16	530.00	1917
3:24:10	11-JY	936.16	535.00	1918

TEST PHASE : FLOW PERIOD # 4

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM			
3:29:10	11-JY	941.16	540.00	1918
3:34:10	11-JY	946.16	545.00	1918
3:39:10	11-JY	951.16	550.00	1919
3:44:10	11-JY	956.16	555.00	1919
3:49:10	11-JY	961.16	560.00	1920
3:54:10	11-JY	966.16	565.00	1920
3:59:10	11-JY	971.16	570.00	1920
4: 4:10	11-JY	976.16	575.00	1920
4: 9:10	11-JY	981.16	580.00	1921
4:14:10	11-JY	986.16	585.00	1921
4:19:10	11-JY	991.16	590.00	1921
4:24:10	11-JY	996.16	595.00	1921
4:29:10	11-JY	1001.16	600.00	1921
4:34:10	11-JY	1006.16	605.00	1922
4:39:10	11-JY	1011.16	610.00	1922
4:44:10	11-JY	1016.16	615.00	1922
4:49:10	11-JY	1021.16	620.00	1922
4:54:10	11-JY	1026.16	625.00	1923
4:59:10	11-JY	1031.16	630.00	1923
5: 4:10	11-JY	1036.16	635.00	1923
5: 9:10	11-JY	1041.16	640.00	1924
5:14:10	11-JY	1046.16	645.00	1924
5:19:10	11-JY	1051.16	650.00	1924
5:24:10	11-JY	1056.16	655.00	1924
5:29:10	11-JY	1061.16	660.00	1924
5:34:10	11-JY	1066.16	665.00	1924
5:39:10	11-JY	1071.16	670.00	1925
5:44:10	11-JY	1076.16	675.00	1925
5:49:10	11-JY	1081.16	680.00	1925
5:54:10	11-JY	1086.16	685.00	1925
5:59:10	11-JY	1091.16	690.00	1926
6: 4:10	11-JY	1096.16	695.00	1925
6: 9:10	11-JY	1101.16	700.00	1925
6:14:10	11-JY	1106.16	705.00	1924
6:19:10	11-JY	1111.16	710.00	1924
6:24:10	11-JY	1116.16	715.00	1924
6:29:10	11-JY	1121.16	720.00	1923
6:32: 0	11-JY	1124.00	722.84	1923