

REPORT NO.
139583

PAGE NO. 1

TEST DATE:
25-JUN-1995

STAR

Schlumberger Testing Data Report Pressure Data Report

Schlumberger

COMPANY: LABRADOR OIL COMPANY

WELL: STATE MR. JONES #32-1

TEST IDENTIFICATION

Test Type OPEN HOLE DST
Test No. TWO
Formation GRANITE WASH
Test Interval (ft) 9590 to 9849
Depth Reference GL

WELL LOCATION

Field WILDCAT
County GUADALUPE
State NEW MEXICO
Sec/Twn/Rng S32-7N-23E
Elevation (ft) 4622

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 9849
Hole Size (in) 8.50
Casing/Liner I.D. (in) 9.625
Perf'd Interval/Net Pay (ft)..
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type GEL/DRISPAC
Mud Weight (lb/gal) 9.8
Mud Resistivity (ohm.m) 0.370 @ 80F
Filtrate Resistivity (ohm.m)..
Filtrate Chlorides (ppm) 20000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psl) 4938.18
Gas Cushion Type
Surface Pressure (psl)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 9111 / 4.276
Collar Length (ft)/I.D. (in) .. 848 / 2.25
Packer Depths (ft) 9584, 9590.
Bottomhole Choke Size (in) ... 0.94
Gauge Depth (ft)/Type 9621/SB-20243

NET PIPE RECOVERY

Volume	Fluid Type	Properties
500 ft	CUSHION	Rw15.255@60F 400ppm
20 ft	DRLG. MUD	Rw0.370@60F 20000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
.03 cu ft	Gas	
2450 cc	Mud	Rw0.370@60F 20000ppm
Pressure: 287		GDR: 0 GLR: 2

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis..
Reservoir Pressure (psl)
Transmissibility (md.ft/cp) ..
Effective Permeability (md) ..
Skin Factor/Damage Ratio
Storage Ratio, Omega
Interporos.Flow Coef., Lambda..
Distance to an Anomaly (ft) ..
Radius of Investigation (ft)..
Potentiometric Surface (ft) ..

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
Basic Solids (%)
Gas Gravity
GOR (scf/STB)
Water Cut (%)
Viscosity (cp)
Total Compressibility (1/psl)..
Porosity (%)
Reservoir Temperature (F) 163
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

THIS DST ON THE GRANITE WASH FORMATION WAS A MECHANICALLY SUCCESSFUL TEST . INTERVAL TESTED FLOWED .09 BBLs OF DRILLING FLUID IN 46 MINUTES OF FLOW TIME. IF YOU HAVE ANY QUESTIONS CALL (505) 983-4107. THANK YOU FOR USING SCHLUMBERGER.

WELL TEST INTERPRETATION REPORT #:139583		PAGE: 2,
CLIENT : LABRADOR OIL COMPANY		26-JUN-95
REGION :CSD	SEQUENCE OF EVENTS	FIELD:WILDCAT
DISTRICT:HOBBS TEST		ZONE :GRANITE WASH
BASE :MTDLAND		WELL :S.MR.JONES32-1
ENGINEER:MARK LUNA		LOCATION:S32-7N-23E

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
25-JUN	08:39	SET PACKERS	-1		
	08:40	START FLOW ON 1/8" CHOKE JUST A FEW BUBBLES IN BUCKET	0	281	0.0 0.0
	08:45	ONE BUBBLE ABOUT EVERY FIVE MINUTES	5		
	08:56	END FLOW & START SHUT-IN	16	281	0.0
	10:05	END SHUT-IN	85	3861	
	10:07	START FLOW ON 1/8" CHOKE AGAIN JUST A FEW BUBBLES THEN STOPPED	87	299	0.0
	10:12	ONE BUBBLE EVERY TEN MIN.	92		0.0
	10:37	END FLOW & START SHUT-IN	117	287	0.0
	12:07	END SHUT-IN	207	3836	
	12:17	PULLED LOOSE	217	4930	

RECORDER CAPACITY: 11014 PSI PORT OPENING: OUTSIDE DEPTH: 9621 FT

LABEL POINT INFORMATION

#	TIME OF DAY		DATE	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE	
	HH:MM:SS	DD-MMM				PRESSURE PSIA	TEMP. DEG F
1	8:20:00	25-JUN	HYDROSTATIC MUD		20.00	4938.18	151.17
2	8:40:00	25-JUN	START FLOW		40.00	281.15	154.60
3	8:56:36	25-JUN	END FLOW & START SHUT-IN		56.60	281.45	155.46
4	10:05:12	25 JUN	END SHUT-IN		125.20	3861.25	159.97
5	10:07:24	25-JUN	START FLOW		127.40	299.13	160.13
6	10:37:00	25-JUN	END FLOW & START SHUT-IN		157.00	287.38	159.58
7	12:07:12	25-JUN	END SHUT-IN		247.20	3835.93	162.73
8	12:17:00	25-JUN	HYDROSTATIC MUD		257.00	4929.65	163.07

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	INITIAL PRESSURE PSIA
1	40.00	56.60	16.60	281.15	281.45	281.15
2	127.40	157.00	29.60	299.13	287.38	299.13

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
1	56.60	125.20	68.60	281.45	3861.25	281.45	16.60
2	157.00	247.20	90.20	287.38	3835.93	287.38	46.20

TEST PHASE: FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
5:40:00	25-JUN	40.00	0.00	154.60	281.15
5:55:00	25-JUN	55.00	15.00	155.37	282.14
6:06:36	25-JUN	56.60	16.60	155.46	281.45

TEST PHASE: SHUTIN PERIOD # 1

FINAL FLOW PRESSURE = 281.45 PSIA
PRODUCING TIME = 16.60 MIN

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
8:56:36	25-JUN	56.60	0.00	155.46	281.45	0.00	
8:57:36	25-JUN	57.60	1.00	155.56	357.02	75.57	1.2455
8:58:36	25-JUN	58.60	2.00	155.65	452.38	170.93	0.9685
8:59:36	25-JUN	59.60	3.00	155.74	544.85	263.40	0.8151
9:00:36	25-JUN	60.60	4.00	155.83	641.07	359.62	0.7118
9:01:36	25-JUN	61.60	5.00	155.93	731.90	450.45	0.6355
9:02:36	25-JUN	62.60	6.00	156.04	822.61	541.16	0.5760
9:03:36	25-JUN	63.60	7.00	156.15	910.27	628.82	0.5278
9:04:36	25-JUN	64.60	8.00	156.28	995.37	713.92	0.4878
9:05:36	25-JUN	65.60	9.00	156.38	1078.28	796.83	0.4540
9:06:36	25-JUN	66.60	10.00	156.48	1160.43	878.98	0.4249
9:08:36	25-JUN	68.60	12.00	156.67	1322.30	1040.85	0.3772
9:10:36	25-JUN	70.60	14.00	156.84	1470.73	1189.28	0.3396
9:12:36	25-JUN	72.60	16.00	157.00	1617.72	1336.27	0.3091
9:14:36	25-JUN	74.60	18.00	157.11	1757.85	1476.40	0.2838
9:16:36	25-JUN	76.60	20.00	157.21	1886.64	1605.19	0.2625
9:18:36	25-JUN	78.60	22.00	157.32	2013.49	1732.04	0.2442
9:20:36	25-JUN	80.60	24.00	157.45	2131.16	1849.71	0.2283
9:22:36	25-JUN	82.60	26.00	157.63	2249.00	1967.55	0.2144
9:24:36	25-JUN	84.60	28.00	157.80	2358.07	2076.62	0.2022
9:26:36	25-JUN	86.60	30.00	157.91	2464.87	2183.42	0.1913
9:31:36	25-JUN	91.60	35.00	158.14	2714.47	2433.02	0.1686
9:36:36	25-JUN	96.60	40.00	158.43	2935.38	2653.93	0.1508
9:41:36	25-JUN	101.60	45.00	158.70	3141.14	2859.69	0.1364
9:46:36	25-JUN	106.60	50.00	159.07	3323.45	3042.00	0.1245
9:51:36	25-JUN	111.60	55.00	159.41	3486.28	3204.83	0.1146
9:56:36	25-JUN	116.60	60.00	159.61	3631.02	3349.57	0.1061
10:01:36	25-JUN	121.60	65.00	159.83	3766.41	3484.96	0.0988
10:05:12	25-JUN	125.20	68.60	159.97	3861.25	3579.80	0.0941

TEST PHASE: FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
10:07:24	25-JUN	127.40	0.00	160.13	299.13
10:23:00	25-JUN	143.00	15.60	159.60	288.11
10:37:00	25-JUN	157.00	29.60	159.58	287.38

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TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE = 287.38 PSIA
PRODUCING TIME = 46.20 MIN

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNERR TIME
10:37:00	25-JUN	157.00	0.00	159.58	287.38	0.00	
10:38:00	25-JUN	158.00	1.00	159.60	292.71	5.33	1.6739
10:39:00	25-JUN	159.00	2.00	159.61	376.35	88.97	1.3820
10:40:00	25-JUN	160.00	3.00	159.64	447.41	160.03	1.2148
10:41:00	25-JUN	161.00	4.00	159.67	518.46	231.08	1.0986
10:42:00	25-JUN	162.00	5.00	159.70	587.66	300.28	1.0103
10:43:00	25-JUN	163.00	6.00	159.75	658.74	371.36	0.9395
10:44:00	25-JUN	164.00	7.00	159.80	726.78	439.40	0.8808
10:45:00	25-JUN	165.00	8.00	159.86	795.34	507.96	0.7309
10:46:00	25-JUN	166.00	9.00	159.91	865.35	577.97	0.7877
10:47:00	25-JUN	167.00	10.00	159.98	931.12	643.74	0.7497
10:49:00	25-JUN	169.00	12.00	160.09	1059.29	771.91	0.6857
10:51:00	25-JUN	171.00	14.00	160.21	1184.41	897.03	0.6335
10:53:00	25-JUN	173.00	16.00	160.30	1306.63	1019.25	0.5897
10:55:00	25-JUN	175.00	18.00	160.37	1419.87	1132.49	0.5523
10:57:00	25-JUN	177.00	20.00	160.41	1531.99	1244.61	0.5198
10:59:00	25-JUN	179.00	22.00	160.45	1644.38	1357.00	0.4914
11:01:00	25-JUN	181.00	24.00	160.51	1749.73	1462.35	0.4661
11:03:00	25-JUN	183.00	26.00	160.58	1855.28	1567.90	0.4436
11:05:00	25-JUN	185.00	28.00	160.67	1955.60	1668.22	0.4232
11:07:00	25-JUN	187.00	30.00	160.77	2053.18	1765.80	0.4048
11:12:00	25-JUN	192.00	35.00	160.98	2282.98	1995.60	0.3655
11:17:00	25-JUN	197.00	40.00	161.23	2497.22	2209.84	0.3334
11:22:00	25-JUN	202.00	45.00	161.55	2689.10	2401.72	0.3068
11:27:00	25-JUN	207.00	50.00	161.82	2866.12	2578.74	0.2842
11:32:00	25-JUN	212.00	55.00	161.98	3036.15	2748.77	0.2648
11:37:00	25-JUN	217.00	60.00	162.06	3187.32	2899.94	0.2480
11:42:00	25-JUN	222.00	65.00	162.13	3323.89	3036.51	0.2332
11:47:00	25-JUN	227.00	70.00	162.21	3447.97	3160.59	0.2201
11:52:00	25-JUN	232.00	75.00	162.32	3560.48	3273.10	0.2084
11:57:00	25-JUN	237.00	80.00	162.45	3660.60	3373.22	0.1980
12:02:00	25-JUN	242.00	85.00	162.60	3751.22	3463.84	0.1885
12:07:00	25-JUN	247.00	90.00	162.73	3833.33	3545.95	0.1799
12:07:12	25-JUN	247.20	90.20	162.73	3835.93	3548.55	0.1796