

REPORT NO.
139584

PAGE NO. 1

TEST DATE:
26-JUN-1995

S T A R

Schlumberger Testing Data Report
Pressure Data Report

Schlumberger

COMPANY: LABRADOR OIL COMPANY

WELL: STATE MR. JONES #32-1

T-S IDENTIFICATION

Test Type OPEN HOLE STRAD
Test No. THREE
Formation 8700 CARBONATE
Test Interval (ft) 8540 to 8755
Depth Reference GL

WELL LOCATION

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

WELL 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) .. / 54
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type GEL/DRISPRC
Mud Weight (lb/gal) 9.4
Mud Resistivity (ohm.m) 0.370 @ 60F
Filtrate Resistivity (ohm.m)..
Filtrate Chlorides (ppm) 20000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 4359.01
Gas Cushion Type
Surface Pressure (psi)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 8030 / 4.276
Collar Length (ft)/I.D. (in) .. 648 / 2.25
Packer Depth (ft) 8534, 8540, 8755.
Bottomhole Choke Size (in) ... 0.94
Gauge Depth (ft)/Type 8511/SB-20243

NET PIPE RECOVERY

Volume	Fluid Type	Properties
	SLIGHT GAS	
1053 ft	CUT MUD T	Rw 0.339 @ 60F 22000ppm
	M	Rw 0.313 @ 60F 24000ppm
	B	Rw 0.256 @ 60F 30000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
.14 cuft	Gas	
2400 cc	Mud	Rw 0.256 @ 60F 30000ppm
Pressures 529	GOR: 0	GLR: 9

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis ..
Reservoir Pressure (psi)
Transmissibility (md.ft/cp) ..
Effective Permeability (md) ..
Skin Factor/Damage Ratio
Storativity 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/psi) ..
Porosity (%)
Reservoir Temperature (F) 160
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

THIS STRADDLE DST ON THE 8700 CARBONATE FORMATION WAS A MECHANICALLY SUCCESSFUL TEST. INTERVAL TESTED FLOWED 12.71 BBLS OF SLIGHTLY GAS CUT DRILLING FLUID IN 375 MINUTES OF FLOW TIME. IF YOU HAVE ANY QUESTIONS CALL (505) 393-4107. THANK YOU FOR USING SCHLUMBERGER.

WELL TEST INTERPRETATION REPORT #1139584		PAGE: 2,
CLIENT : LABRADOR OIL COMPANY		27-JUN-95
REGION : CSD	SEQUENCE OF EVENTS	FIELD: WILDCAT
DISTRICT: HOBBS TEST		ZONE : 8700 CARBONATE
BASE : MIDLAND		WELL : S.MR.JONES32-1
ENGINEER: MARK LUNA		LOCATION: S32-7N-23E

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
=====					
26-JUN	03:32	SET SELECTIVE ZONE ANCHOR	-2		
	03:32	& PACKERS	-2		
	03:34	START FLOW ON 1/8" CHOKE	0	71	0.0
	03:35	NO BLOW IN BUCKET H2O	1		0.0
	03:50	END FLOW & START SHUT-IN	16	110	0.0
	04:49	END SHUT-IN	75	3693	
	04:50	START FLOW ON 1/8" CHOKE	76	138	0.0
		JUST ONE BUBBLE			
	06:56	END FLOW & START SHUT-IN	202	313	5"H2O
	10:58	END SHUT-IN	444	3701	
	10:59	START FLOW ON 1/8" CHOKE	445	341	1/16"
	11:18	WEAK BLOW IN BUCKET	464		.75"
	12:08		514		4.5"
	12:18		524		5.0"
	13:38	PRESSURE LEVELING OFF	604		5.0"
	13:48	PRESSURE INCREASING	614		5.25"
	14:08		634		6.0"
	14:28	REACHED HIGHEST PRESSURE	654		6.5"
	14:58	END FLOW	684	530	
	15:08	PULLED LOOSE	694	4322	

 ** WELL TEST DATA PRINTOUT **

COMPANY: LABRADOR OIL COMPANY
 WELL: STATE MR. JONES #32-1

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 INSTRUMENT NO. 20243

RECORDER CAPACITY: 11014 PSI PORT OPENING: INSIDE DEPTH: 8511 FT

LABEL POINT INFORMATION

#	TIME OF DAY HH:MM:SS	DATE DD-MMM	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA	BOT HOLE TEMP. DEG F
1	3:21:00	26-JUN	HYDROSTATIC MUD	21.00	4359.01	157.78
2	3:33:48	26-JUN	START FLOW	33.80	70.65	157.68
3	3:51:36	26-JUN	END FLOW & START SHUT-IN	51.60	109.75	157.19
4	4:49:00	26-JUN	END SHUT-IN	109.00	3692.58	158.50
5	4:50:12	26-JUN	START FLOW	110.20	137.80	158.38
6	6:54:12	26-JUN	END FLOW & START SHUT-IN	234.20	312.95	158.47
7	10:57:00	26-JUN	END SHUT-IN	477.00	3700.74	159.21
8	10:58:00	26-JUN	START FLOW	478.00	340.69	159.36
9	14:59:00	26-JUN	END FLOW	719.00	529.99	160.24
10	15:08:00	26-JUN	HYDROSTATIC MUD	728.00	4322.04	160.00

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	33.80	51.60	17.80	70.65	109.75	70.65
2	110.20	234.20	124.00	137.80	312.95	137.80
3	478.00	719.00	241.00	340.69	529.99	340.69

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	51.60	109.00	57.40	109.75	3692.58	109.75	17.80
2	234.20	477.00	242.80	312.95	3700.74	312.95	141.80

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TEST PHASE: FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MMM				
3:33:48	26-JUN	33.80	0.00	157.68	70.65
3:49:00	26-JUN	49.00	15.20	157.19	104.85
3:51:36	26-JUN	51.60	17.80	157.19	109.75

TEST PHASE: SHOT IN PERIOD # 1 FINAL FLOW PRESSURE = 109.75 PSIA
PRODUCING TIME = 17.80 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
HH:MM:SS	DD-MMM						
3:51:36	26-JUN	51.60	0.00	157.19	109.75	0.00	
3:52:36	26-JUN	52.60	1.00	157.19	354.91	245.16	1.2742
3:53:36	26-JUN	53.60	2.00	157.20	642.33	532.58	0.9956
3:54:36	26-JUN	54.60	3.00	157.21	907.55	797.80	0.8409
3:55:36	26-JUN	55.60	4.00	157.22	1148.98	1039.23	0.7364
3:56:36	26-JUN	56.60	5.00	157.25	1378.12	1268.37	0.6590
3:57:36	26-JUN	57.60	6.00	157.28	1584.99	1475.24	0.5984
3:58:36	26-JUN	58.60	7.00	157.32	1779.15	1669.40	0.5494
3:59:36	26-JUN	59.60	8.00	157.37	1958.08	1848.33	0.5085
4:00:36	26-JUN	60.60	9.00	157.44	2125.26	2015.51	0.4739
4:01:36	26-JUN	61.60	10.00	157.52	2278.53	2168.78	0.4440
4:03:36	26-JUN	63.60	12.00	157.71	2529.83	2420.08	0.3950
4:05:36	26-JUN	65.60	14.00	157.86	2739.97	2630.22	0.3563
4:07:36	26-JUN	67.60	16.00	157.96	2917.08	2807.33	0.3248
4:09:36	26-JUN	69.60	18.00	158.04	3060.39	2950.64	0.2986
4:11:36	26-JUN	71.60	20.00	158.13	3168.58	3058.83	0.2765
4:13:36	26-JUN	73.60	22.00	158.23	3258.62	3148.87	0.2575
4:15:36	26-JUN	75.60	24.00	158.31	3342.11	3232.36	0.2410
4:17:36	26-JUN	77.60	26.00	158.39	3409.91	3300.16	0.2265
4:19:36	26-JUN	79.60	28.00	158.44	3461.39	3351.64	0.2137
4:21:36	26-JUN	81.60	30.00	158.49	3500.39	3390.64	0.2023
4:27:00	26-JUN	87.00	35.40	158.57	3575.10	3465.35	0.1769
4:32:00	26-JUN	92.00	40.40	158.58	3618.65	3508.90	0.1585
4:37:00	26-JUN	97.00	45.40	158.58	3649.35	3539.60	0.1437
4:42:00	26-JUN	102.00	50.40	158.57	3673.57	3563.82	0.1314
4:47:00	26-JUN	107.00	55.40	158.52	3695.01	3585.26	0.1210
4:49:00	26-JUN	109.00	57.40	158.50	3692.58	3582.83	0.1173

TEST PHASE: FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MMM				
4:50:12	26-JUN	110.20	0.00	158.38	137.80
5:06:00	26-JUN	126.00	15.80	157.63	169.59
5:21:00	26-JUN	141.00	30.80	157.62	223.30
5:36:00	26-JUN	156.00	45.80	157.89	232.33
5:51:00	26-JUN	171.00	60.80	158.01	257.74
6:06:00	26-JUN	186.00	75.80	158.05	272.11

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TEST PHASE: FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
6:21:00	26-JUN	201.00	90.80	158.10	285.45
6:36:00	26-JUN	216.00	105.80	158.78	297.80
6:44:00	26-JUN	231.00	120.80	158.44	309.58
6:54:12	26-JUN	234.20	124.00	158.47	312.95

TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE = 312.95 PSIA

PRODUCING TIME = 141.80 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
6:54:12	26-JUN	234.20	0.00	158.47	312.95	0.00	
6:55:12	26-JUN	235.20	1.00	158.52	525.84	212.89	2.1547
6:56:12	26-JUN	236.20	2.00	158.56	748.05	435.10	1.8567
6:57:12	26-JUN	237.20	3.00	158.60	948.24	635.29	1.6836
6:58:12	26-JUN	238.20	4.00	158.64	1124.51	811.56	1.5617
6:59:12	26-JUN	239.20	5.00	158.71	1287.15	974.20	1.4678
7:00:12	26-JUN	240.20	6.00	158.78	1428.09	1115.14	1.3915
7:01:12	26-JUN	241.20	7.00	158.86	1558.81	1245.86	1.3275
7:02:12	26-JUN	242.20	8.00	158.94	1676.41	1363.46	1.2724
7:03:12	26-JUN	243.20	9.00	159.02	1783.86	1470.91	1.2242
7:04:12	26-JUN	244.20	10.00	159.11	1878.10	1565.15	1.1813
7:06:12	26-JUN	246.20	12.00	159.26	2032.91	1719.96	1.1078
7:08:12	26-JUN	248.20	14.00	159.38	2166.61	1853.66	1.0464
7:10:12	26-JUN	250.20	16.00	159.48	2282.19	1969.24	0.9940
7:12:12	26-JUN	252.20	18.00	159.54	2379.74	2066.79	0.9483
7:14:12	26-JUN	254.20	20.00	159.59	2464.84	2151.89	0.9079
7:16:12	26-JUN	256.20	22.00	159.62	2535.94	2222.99	0.8719
7:18:12	26-JUN	258.20	24.00	159.66	2595.43	2282.48	0.8394
7:20:12	26-JUN	260.20	26.00	159.68	2645.33	2332.38	0.8098
7:22:12	26-JUN	262.20	28.00	159.69	2687.75	2374.80	0.7828
7:24:12	26-JUN	264.20	30.00	159.71	2727.65	2414.70	0.7579
7:29:12	26-JUN	269.20	35.00	159.73	2806.32	2493.37	0.7034
7:34:12	26-JUN	274.20	40.00	159.72	2869.81	2556.86	0.6575
7:39:12	26-JUN	279.20	45.00	159.69	2926.69	2613.74	0.6182
7:44:12	26-JUN	284.20	50.00	159.67	2977.10	2664.15	0.5839
7:50:00	26-JUN	290.00	55.80	159.65	3031.40	2718.45	0.5492
7:55:00	26-JUN	295.00	60.80	159.63	3073.06	2760.11	0.5227
8:00:00	26-JUN	300.00	65.80	159.62	3111.56	2798.61	0.4990
8:05:00	26-JUN	305.00	70.80	159.60	3146.12	2833.17	0.4775
8:10:00	26-JUN	310.00	75.80	159.59	3179.45	2866.50	0.4580
8:15:00	26-JUN	315.00	80.80	159.58	3209.37	2896.42	0.4401
8:20:00	26-JUN	320.00	85.80	159.56	3238.35	2925.40	0.4237
8:25:00	26-JUN	325.00	90.80	159.55	3265.98	2953.03	0.4085
8:30:00	26-JUN	330.00	95.80	159.53	3291.83	2978.88	0.3945
8:35:00	26-JUN	335.00	100.80	159.52	3314.75	3001.80	0.3814
8:40:00	26-JUN	340.00	105.80	159.51	3339.82	3026.87	0.3693
8:45:00	26-JUN	345.00	110.80	159.50	3362.09	3049.14	0.3579
8:50:00	26-JUN	350.00	115.80	159.49	3381.67	3068.72	0.3472
8:55:00	26-JUN	355.00	120.80	159.48	3403.69	3090.74	0.3372

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TEST PHASE: SHUTIN PERIOD # 2

FINAL FLOW PRESSURE = 312.95 PSIA
PRODUCING TIME = 141.80 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 HORNERS TIME
9:00:00	26-JUN	360.00	125.80	159.47	3420.78	3107.83	0.3278
9:05:00	26-JUN	365.00	130.80	159.46	3438.85	3125.90	0.3189
9:10:00	26-JUN	370.00	135.80	159.45	3458.35	3145.40	0.3105
9:15:00	26-JUN	375.00	140.80	159.45	3473.12	3160.17	0.3026
9:20:00	26-JUN	380.00	145.80	159.44	3490.91	3177.96	0.2950
9:25:00	26-JUN	385.00	150.80	159.43	3504.63	3191.68	0.2879
9:30:00	26-JUN	390.00	155.80	159.43	3519.68	3206.73	0.2811
9:35:00	26-JUN	395.00	160.80	159.43	3533.78	3220.83	0.2746
9:40:00	26-JUN	400.00	165.80	159.42	3547.53	3234.58	0.2684
9:45:00	26-JUN	405.00	170.80	159.42	3560.71	3247.76	0.2625
9:50:00	26-JUN	410.00	175.80	159.41	3573.41	3260.46	0.2569
9:55:00	26-JUN	415.00	180.80	159.41	3585.42	3272.47	0.2515
10:10:00	26-JUN	430.00	195.80	159.40	3619.00	3306.05	0.2366
10:25:00	26-JUN	445.00	210.80	159.39	3648.69	3335.74	0.2234
10:40:00	26-JUN	460.00	225.80	159.39	3675.75	3362.80	0.2117
10:55:00	26-JUN	475.00	240.80	159.26	3700.96	3388.01	0.2011
10:57:00	26-JUN	477.00	242.80	159.21	3700.74	3387.79	0.1998

TEST PHASE: FLOW PERIOD # 3

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE TEMP. DEG F	BOT HOLE PRESSURE PSIA
10:58:00	26-JUN	478.00	0.00	159.36	340.69
11:13:00	26-JUN	493.00	15.00	158.87	351.44
11:28:00	26-JUN	508.00	30.00	158.96	366.00
11:43:00	26-JUN	523.00	45.00	159.15	379.98
11:58:00	26-JUN	538.00	60.00	159.31	393.12
12:13:00	26-JUN	553.00	75.00	159.43	405.98
12:28:00	26-JUN	568.00	90.00	159.51	418.27
12:43:00	26-JUN	583.00	105.00	159.60	430.28
12:58:00	26-JUN	598.00	120.00	159.68	441.96
13:13:00	26-JUN	613.00	135.00	159.77	453.52
13:28:00	26-JUN	628.00	150.00	159.87	465.19
13:43:00	26-JUN	643.00	165.00	159.96	476.46
13:58:00	26-JUN	658.00	180.00	160.04	487.52
14:13:00	26-JUN	673.00	195.00	160.09	498.68
14:28:00	26-JUN	688.00	210.00	160.15	509.96
14:43:00	26-JUN	703.00	225.00	160.21	520.70
14:58:00	26-JUN	718.00	240.00	160.24	530.45
14:59:00	26-JUN	719.00	241.00	160.24	529.99