DRILL-STEM TESTS:

1-5 Barker Creek

DST No. 1 (Straddle Packer Test - PD - 5884')
5640' to 5719' (79') Barker Creek Zone.
Open 30 minutes fair blow, slid approximately 16'. Had to close tool and put on another joint, opened tool with a good blow, slid additional 5' to bottom. Had a good blow throughout. Shut-in 60 minutes, opened 60 minutes. Gas to surface (flammable) in 90 minutes TSTM. Shut-in 90 minutes.

Recovered 1050' GCM, 950' GCSW (20 bbls total)
Partial plugging during flow periods
Bottom packers were not holding.

Top Recorder @ 5616'. Temperature 140°F

Initial hydrostatic pressure. . . .	2761 psig
Final hydrostatic pressure.	2743 psig
Initial flow pressure (1)	613 psig
Final flow pressure (1)	706 psig
Initial flow pressure (2)	777 psig
Final flow pressure (2)	914 psig
Initial shut-in pressure.	2722 psig
Final shut-in pressure.	2716 psig

Middle Recorder @ 5713'. Temperature 140°F

Initial hydrostatic pressure. . . .	2818 psig
Final hydrostatic pressure.	2796 psig
Initial flow pressure (1)	656 psig
Final flow pressure (1)	753 psig
Initial flow pressure (2)	825 psig
Final flow pressure (2)	955 psig
Initial shut-in pressure.	2768 psig
Final shut-in pressure (2).	2764 psig

EXHIBIT "C"

Bottom Recorder @ 5880'. Temperature 140°F

Note: Packers did not hold

Initial hydrostatic pressure. . . .	2921 psig
Final hydrostatic pressure.	2896 psig
Initial flow pressure (1)	925 psig
Final flow pressure (1).	1200 psig
Initial flow pressure (2).	1009 psig
Final flow pressure (2).	1070 psig
Initial shut-in pressure	2830 psig
Final shut-in pressure	2809 psig

Sampler Data: Depth: 5612'

Pressure at surface: 630 psig

Recovery: 2/10 cubic ft. gas, 1950 cc. GC Muddy water

Res..059 ohms @ 70°F (water)

Res..039 ohms @ 70°F (mud)

Res..184 ohms @ 70°F (mud pit sample)

Note: Above data from corrected computed data.

Surface and bottom choke: 3/4"

FLUID SAMPLE DATA

Sampler Pressure 630 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas 2/10
cc. Oil
cc. Water 1950 Gas cut muddy water
cc. Mud
Tot. Liquid cc. 1950
Gravity ° API @ °F.
Gas/Oil Ratio cu. ft./bbl.

	RESISTIVITY			CHLORIDE CONTENT
Recovery Water	.059	@	°F.	ppm
Recovery Mud	.039	@	°F.	ppm
Recovery Mud Filtrate		@	°F.	ppm
Mud Pit Sample	.184	@	°F.	ppm
Mud Pit Sample Filtrate		@	°F.	ppm

Mud Weight 9.3 vis 45 cp

Date 5-18-75 Ticket Number 876646
Kind of Job OPEN HOLE Halliburton District FARMINGTON
Tester MR. DAVIS Witness ???
Drilling Contractor LOFFLAND BROTHERS #12 BC S

EQUIPMENT & HOLE DATA

Formation Tested Barker Creek
Elevation 59' out Ft.
Net Productive Interval 5640' - 5719' Ft.
All Depths Measured From Rotary Kelly Bushing
Total Depth 5884' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 434' I.D. 2¼"
Drill Pipe Length 5171' I.D. 3.340"
Packer Depth(s) 5635' - 5640' - 5719' - 5724' Ft.
Depth Tester Valve 5612' Ft.

Cushion TYPE AMOUNT Depth Back Pres. Valve Ft. Surface Choke 3/4" ADJ. Bottom Choke 3/4"

Recovered 1050 Feet of Gas cut mud
Recovered 950 Feet of Gas cut salt water
Recovered Feet of
Recovered Feet of
Recovered Feet of

Mea. From Tester Valve

Remarks See production test data sheet.....

CHARTS INDICATE PARTIAL PLUGGING DURING FLOW PERIODS, BOTTOM PARKERS NOT HOLDING....

TEMPERATURE	Gauge No. 2033 Depth: 5616' Ft.	Gauge No. 2032 Depth: 5713' Ft.	Gauge No. 5160 Depth: 5880' Ft.	TIME
	12 Hour Clock	24 Hour Clock	24 Hour Clock	Tool Opened 1450 A.M. P.M.
Est. °F.	Blanked Off -	Blanked Off -	Blanked Off -	Opened Bypass 1850 A.M. P.M.
Actual 140 °F.	Pressures	Pressures	Pressures	Reported Minutes / Computed Minutes

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic		2746	2761	2818	2818		2921	—	—
First Period Flow	Initial	239	613	318	656		925	—	—
	Final	729	706	766	753		1200	30	30
	Closed in	2709	2722	2778	2768		2830	60	59
Second Period Flow	Initial	742	777	792	825		1009	—	—
	Final	901	914	1002	955		1070	60	61
	Closed in	2709	2716	2778	2764		2809	90	90
Third Period Flow	Initial							—	—
	Final								
	Closed in								
Final Hydrostatic		2746	2743	2818	2796		2896	—	—

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FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

Legal Location Sec. - Twp. - Rng. 5 - 26N - 19W
Lease Name NAVAJO
Well No. 1-5
Test No. 1
Tested Interval 5640' - 5884'
Field Area WILDCAT
County SAN JUAN
State NEW MEXICO
Lease Owner/Company Name PETROLEUM ENERGY, INCORPORATED

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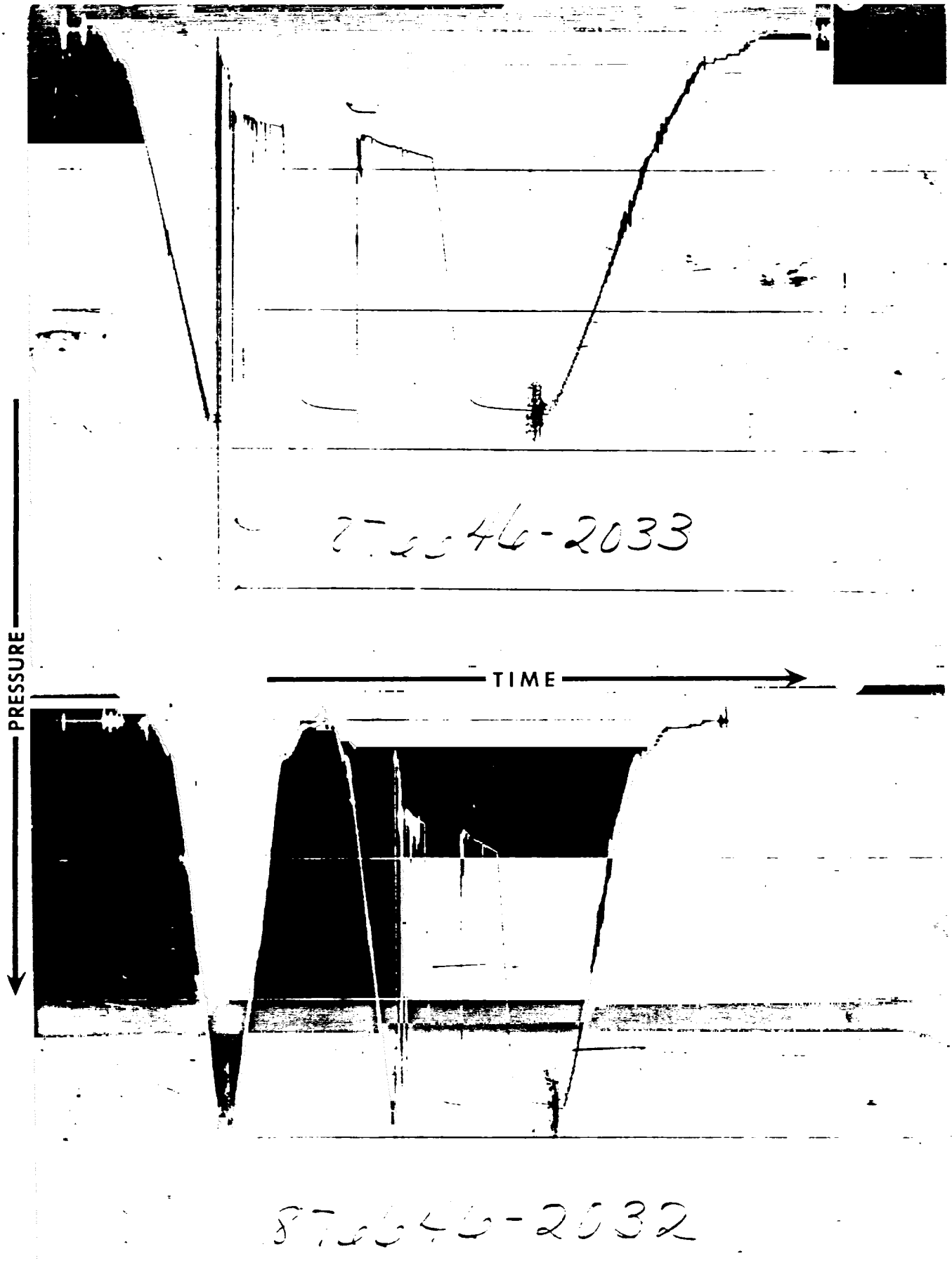
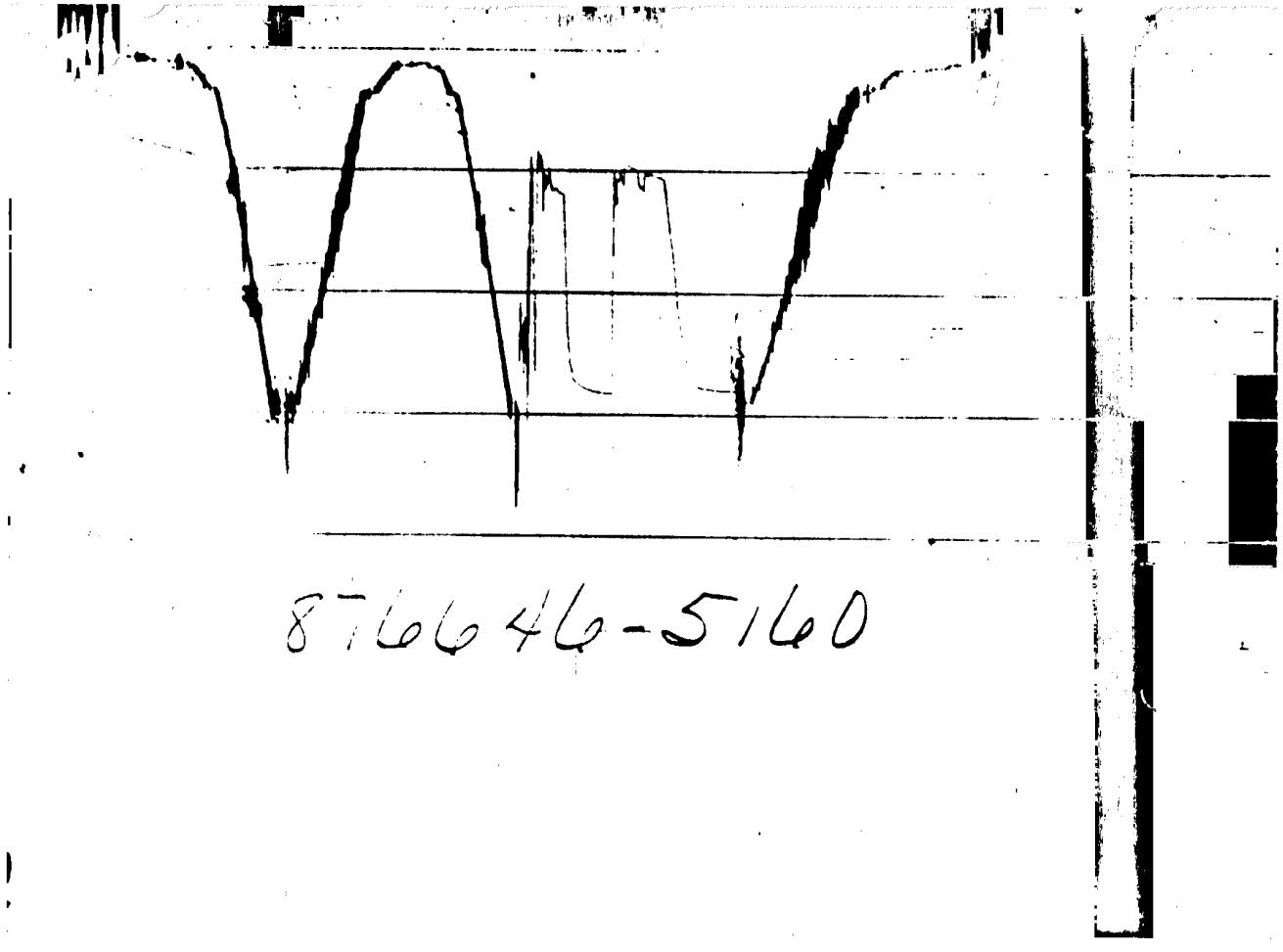


Each Horizontal Line Equal to 1000 p.s.i.

8766-2132

Each Horizontal Line Equal to 1000 p.s.i.



8766-5160

	Pr	Closed in
Second Period	Flow	Initial
		Final
		Closed in
Third Period	Flow	Initial
		Final
		Closed in
Final Hydrostatic		

FORM 101-R1—PRINTED IN

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	6"	2.50"	1.10'	
Water Cushion Valve				
Drill Pipe	4"	3.340"	5171'	
Drill Collars	6¼"	2.15"	434'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler	5"	2.75"	7'	
Hydro-Spring Tester	5"	.75"	4'	5512'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3"	4'	5516'
Hydraulic Jar	5"	1.75"	4'	
VR Safety Joint	5"	1"	2'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	5'	5535'
Distributor				
Packer Assembly	6 3/4"	1.53"	5'	5540'
Flush Joint Anchor	5 3/4"	2½"	43.68'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	-	4'	5713'
Drill Collars	-	-	30'	
Anchor Pipe Safety Joint	5"	1"	2'	
Packer Assembly	6 3/4"	-	5'	5719'
Distributor				
Packer Assembly	6 3/4"	1.53"	5'	5724'
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6¼"	2.25"	149'	
Flush Joint Anchor	5 3/4"	2½"	7'	
Blanked-Off B.T. Running Case	5 3/4"	3"	4'	5880'
Total Depth				5884'

Gauge No.	5160		Depth	5880'		Clock No.	9766		24 hour	Ticket No.	876646					
	First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	
0	.0000	925	.0000		1200	.0000	1009	.0000		1070						
1	.0172	916	.0100		1740*	.0370	1070**	.0200		1443						
2	.0343	1043	.0233		2423	.0706	972	.0401		1772						
3	.0515	1074	.0365		2628	.1042	1111	.0602		2200						
4	.0687	1166	.0498		2730	.1378	1032	.0803		2443						
5	.0858	1187	.0631		2755	.1714	1047	.1003		2649						
6	.1030	1200	.0764		2774	.2050	1070	.1204		2753						
7			.0897		2787			.1405		2777						
8			.1030		2800			.1605		2787						
9			.1163		2809			.1806		2794						
10			.1296		2815			.2007		2800						
11			.1428		2819			.2207		2802						
12			.1561		2823			.2408		2804						
13			.1694		2826			.2609		2806						
14			.1827		2828			.2809		2809						
15			.1960		2830			.3010		2809						

Gauge No.			Depth			Clock No.			hour						
0															
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
Reading Interval		5		4			10		6						Minutes

REMARKS: *Interval = 3 minutes **Interval = 11 minutes

SPECIAL PRESSURE DATA

FORM 183-R1—PRINTED IN U.S.A.

LITTLE'S 98673 75C 8/74

Gauge No.	2033	Depth	5616'	Clock No.	10445	12 hour	Ticket No.	876646

	First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.0000	613	.0000		706	.0000	777	.0000		914					
1	.0357	627	.0207		1496*	.0743	770**	.0403		1255					
2	.0713	660	.0484		2252	.1418	817	.0805		1725					
3	.1070	669	.0761		2564	.2094	836	.1208		2172					
4	.1427	681	.1037		2647	.2769	875	.1611		2486					
5	.1783	695	.1314		2672	.3445	888	.2013		2621					
6	.2140	706	.1591		2687	.4120	914	.2416		2667					
7			.1867		2696			.2819		2686					
8			.2144		2703			.3221		2696					
9			.2420		2707			.3624		2701					
10			.2697		2711			.4027		2707					
11			.2974		2713			.4429		2709					
12			.3250		2716			.4832		2712					
13			.3527		2718			.5235		2714					
14			.3803		2721			.5637		2716					
15			.4080		2722			.6040		2716					

Gauge No.	2032		Depth	5713'		Clock No.	7276	24 hour					
0	.0000	656	.0000	753	.0000	825	.0000	955					
1	.0168	677	.0100	1642*	.0366	815**	.0200	1286					
2	.0337	706	.0233	2328	.0699	858	.0400	1793					
3	.0505	714	.0365	2609	.1032	882	.0600	2276					
4	.0673	728	.0498	2689	.1364	903	.0800	2568					
5	.0842	741	.0631	2718	.1697	930	.1000	2676					
6	.1010	753	.0764	2732	.2030	955	.1200	2717					
7			.0897	2741			.1400	2734					
8			.1030	2749			.1600	2743					
9			.1163	2754			.1800	2750					
10			.1296	2758			.2000	2754					
11			.1428	2761			.2200	2758					
12			.1561	2763			.2400	2761					
13			.1694	2766			.2600	2762					
14			.1827	2767			.2800	2763					
15			.1960	2768			.3000	2764					
Reading Interval	5		4		10		6						Minutes

REMARKS: *Interval = 3 minutes **Interval = 11 minutes

FORM 183-R1—PRINTED IN U.S.A.

SPECIAL PRESSURE DATA

LITTLE'S 96673 75C 6/74

Casing perfs. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 876646

Gas gravity _____ Oil gravity _____ GOR _____

Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date 5-18-75 Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1450					Opened tool with a fair blow, slid
					approxiamtely 16'. Had to closed tool
					and put on another joint.
					Opened tool with a good blow, slid
					approximately 5' to bottom. Had a
					good blow throughout.
1520					Closed tool
1620					Opened tool with a good blow. Gas to
					surface in 90 minutes.
1720					Closed tool

FORM 182-R1—PRINTED IN U.S.A.

PRODUCTION TEST DATA

LITTLE'S 96672 SM 8/74

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