

1-5 Mississippian

DST No. 2 5960 to 6087' (Mississippian) (127')
Open 20 minutes good blow immediately Gas (flammable)
to surface in 30 seconds. Mud to surface in 90
seconds Oil (41 Gravity) to surface in 3 minutes.
Shut-in 60 minutes. Open 15 minutes-flowing
oil. Total recovery estimated 70 BBLs in 35
minutes, 41st Gravity, No water. Shut-in 90
minutes.

Recovered 2245 feet 41 gravity oil with a
slight trace of mud at bottom.

Top Recorder @ 5926' Temperature 138°F
Initial hydrostatic pressure. . . . 2922 psig
Final hydrostatic pressure. . . . 2922 psig
Initial flow pressure (1) 1446 psig
Final flow pressure (1) 1736 psig
Initial flow pressure (2) 1551 psig
Final flow pressure (2) 2025 psig
Initial shut-in pressure (1). . . . 2896 psig
Final shut-in pressure (2). . . . 2896 psig

Bottom Recorder @ 6074' Temperature 138°F
Initial hydrostatic pressure. . . . 3030 psig
Final hydrostatic pressure. . . . 2977 psig
Initial flow pressure (1) 1747 psig
Final flow pressure (1) 2106 psig
Initial flow pressure (2) 1895 psig
Final flow pressure (2) 2185 psig
Initial shut-in pressure (1). . . . 2951 psig
Final shut-in pressure (2). . . . 2951 psig

TIGHT HOLE

FLUID SAMPLE DATA				Date 5-21-75		Ticket Number 702392	
Sampler Pressure 2180 P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District FARMINGTON	
Recovery: Cu. Ft. Gas 2.80				Tester MR. SMITH		Witness MR. LAUGH	
cc. Oil 1300				Drilling Contractor LOFFLAND BROTHERS DR S			
cc. Water -				EQUIPMENT & HOLE DATA			
cc. Mud -				Formation Tested Mississippian			
Tot. Liquid cc. 1300				Elevation 5948' Ft.			
Gravity * API @ * F.				Net Productive Interval - Ft.			
Gas/Oil Ratio cu. ft./bbl.				All Depths Measured From Rotary Kelly Bushing			
RESISTIVITY CHLORIDE CONTENT				Total Depth 6087' Ft.			
Recovery Water @ * F. ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud @ * F. ppm				Drill Collar Length 524' I.D. 2 1/2"			
Recovery Mud Filtrate @ * F. ppm				Drill Pipe Length 5399' I.D. 3.476"			
Mud Pit Sample @ * F. ppm				Packer Depth(s) 5954-5960' Ft.			
Mud Pit Sample Filtrate @ * F. ppm				Depth Tester Valve 5939' Ft.			
Mud Weight 9.5 vis 54 cp				Surface Choke 3/4" Adj. Bottom Choke 3/4"			
Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve				Field Area			
Recovered 2245 Feet of very slight mud cut oil				Med. From Tester Valve			
Recovered Feet of CHARTS INDICATE PARTIAL PLUGGING OF ANCHOR PERFORATIONS DURING INITIAL FLOW PERIOD.				WILDCAT			
Recovered Feet of				County			
Recovered Feet of				SAN JUAN			
Recovered Feet of				State			
Remarks SEE PRODUCTION TEST DATA SHEET				NEW MEXICO			
Q = Questionable							
TEMPERATURE		Gauge No. 6040		Gauge No. 6039		Gauge No.	
Depth: 5943 Ft.		Depth: 6083 Ft.		Depth: Ft.		TIME	
Est. * F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off NO		Blanked Off YES		Blanked Off		Tool A.M.	
Actual 138°F		Pressures		Pressures		Opened 1:10 P.M.	
		Field Office		Field Office		Opened A.M.	
Initial Hydrostatic		2922.1 2964		3030.2 3044		Bypass 4:15 P.M.	
First Period Flow Initial		1446.4 14330		1947.4 2087		Reported Minutes	
Final		1735.5 1757		2105.5 2136		Computed Minutes	
Closed in		2895.7 2910		2951.0 2962		20 19	
Second Period Flow Initial		1551.3 17880		1894.7 22740		60 58	
Final		2025.0 2063		2184.7 2193		15 15	
Closed in		2895.7 2906		2951.0 2974		90 93	
Third Period Flow Initial							
Final							
Closed in							
Final Hydrostatic		2922.1 2927		2977.4 2993			

NAVAJO TRIBE

1-5

2

5960-6087'

PETROLEUM ENERGY INCORPORATED

Lease Owner/Company Name

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6"	3"	1'	
Reversing Sub				
Water Cushion Valve	4"	3.476"	5399'	
Drill Pipe	6"	2 1/2"	524'	
Drill Collars				
Handling Sub & Choke Assembly				
Dual CIP Valve	5"		7'	5934'
Dual CIP Sampler	5"		5'	5939'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint	5"		4'	5943'
AP Running Case	5"	1"	5'	
Hydraulic Jar	5"	1"	3'	
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1 1/2"	6'	5954'
Distributor				
Packer Assembly	6 3/4"	1 1/2"	7'	5960'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6"	2 1/2"	89'	
Flush Joint Anchor	5 3/4"	2 1/2"	30'	
Blanked-Off B.T. Running Case	5 3/4"		5'	6083'
Total Depth				6087'

Gauge No.		6040		Depth		5943'		Clock No.		14121		12 hour		Ticket No.		702392		
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"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0 .000	14330	.000		1757	.000	17880	.000		2063									
1 .132	1757	.0138		2470*	.0212	1562	.0636		2801**									
2		.0484		2756	.0424	1584	.1060		2852									
3	Plugging	.0761		2829	.0636	1750	.1484		2872									
4		.1037		2854	.0848	1872	.1908		2883									
5		.1314		2872	.1060	2063	.2331		2889									
6		.1590		2883			.2755		2893									
7		.1867		2891			.3179		2896									
8		.2144		2897			.3603		2900									
9		.2420		2900			.4027		2901									
10		.2697		2904			.4451		2902									
11		.2973		2905			.4875		2904									
12		.3250		2906			.5299		2905									
13		.3527		2908			.5723		2906									
14		.3803		2909			.6147		2906									
15		.4010		2910			.6570		2906									

Gauge No.		6039		Depth		6083'		Clock No.		10444		12 hour		702392				
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"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0 .000	2087	.000		2136	.000	22740	.000		2193									
1 .133	2136	.0137		2525*	.0208	1901	.0626		2860**									
2		.0414		2770	.0416	1929	.1044		2907									
3		.0690		2869	.0624	2003	.1461		2927									
4	Plugging	.0966		2904	.0832	2094	.1878		2937									
5		.1242		2920	.1040	2193	.2296		2949									
6		.1517		2932			.2713		2948									
7		.1793		2940			.3131		2950									
8		.2069		2946			.3548		2952									
9		.2345		2950			.3965		2954									
10		.2621		2953			.4383		2956									
11		.2897		2956			.4800		2957									
12		.3173		2957			.5218		2958									
13		.3448		2958			.5635		2960									
14		.3725		2961			.6052		2961									
15		.4000		2962			.6470		2974									

Reading Interval		4		3		6		Minutes	
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REMARKS: * First interval equal to 2 minutes **-9 minutes 0-Questionable

Reading Interval 4 3 6 Minutes

REMARKS: * First interval equal to 2 minutes ** -9 minutes 0-Questionable

Casing perfs. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 702392
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

[illegible]

PRESSURE

TIME

-02392 - 6040

101

702392 - 6039

Bottom

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