

Lease Owner/Company Name

FLUID SAMPLE DATA						Date 1-21-80		Ticket Number 675049	
Sampler Pressure _____ P.S.I.G. at Surface						Kind of Job		Halliburton District	
Recovery: Cu. Ft. Gas _____						OPEN HOLE PACKER DST		ARTESIA	
cc. Oil _____						Tester		Witness	
cc. Water _____						PEPPERS		JIM AKINS	
cc. Mud _____						Drilling Contractor		TJH S	
Tot. Liquid cc. _____						WEK DRILLING #3			
Gravity _____ ° API @ _____ ° F.						EQUIPMENT & HOLE DATA			
Gas/Oil Ratio _____ cu. ft./bbl.						Formation Tested		Montoya	
RESISTIVITY _____ CHLORIDE CONTENT _____						Elevation		3605.6' Ft.	
Recovery Water @ _____ ° F. _____ ppm						Net Productive Interval		8' Ft.	
Recovery Mud @ _____ ° F. _____ ppm						All Depths Measured From		Kelly Bushing	
Recovery Mud Filtrate @ _____ ° F. _____ ppm						Total Depth		5916' Ft.	
Mud Pit Sample @ _____ ° F. 54,000 ppm						Main Hole/Casing Size		7 7/8"	
Mud Pit Sample Filtrate @ _____ ° F. _____ ppm						Drill Collar Length		611' I.D. 2.25"	
Mud Weight 9.6 vis 70 sec XXX						Drill Pipe Length		5229' I.D. 3.340"	
						Packer Depth(s)		5858' - 5864' Ft.	
						Depth Tester Valve		5846' Ft.	
TYPE AMOUNT						Surface Choke		Bottom Choke	
Cushion _____ Ft. Depth Back Pres. Valve _____						Adj. _____		.75"	
Recovered 272 Feet of drilling fluid.									
Recovered _____ Feet of MUD PIT - 100,416						CHLORIDES TOP RECOVERY - 102,508			
Recovered _____ Feet of CIRCULATING SUB - 79,496									
Recovered _____ Feet of TOP OF TOOLS - 108,784									
Recovered _____ Feet of _____									
Remarks SEE PRODUCTION TEST DATA SHEET . . .									
GAS TO SURFACE 66 MINUTES IN SECOND OPENING . . .									
CHARTS INDICATE PLUGGING OF ANCHOR PERFORATIONS DURING FLOW PERIODS . . .									
TEMPERATURE		Gauge No. 512		Gauge No. 113		Gauge No.		TIME	
Depth:		5850 Ft.		Depth: 5912 Ft.		Depth:		Ft.	
Est. °F.		24 Hour Clock		24 Hour Clock		Hour Clock		Tool A.M.	
Blanked Off NO		Blanked Off YES		Blanked Off		Blanked Off		Opened 0300 P.M.	
Actual 130 °F.		Pressures		Pressures		Pressures		Opened A.M.	
		Field Office		Field Office		Field Office		Bypass 0600 P.M.	
		Initial Hydrostatic		3014.6 2962.8 3153.5 3014.5				Reported Computed	
First Period	Flow	Initial		78.4 109.6 42.4 436.5				Minutes Minutes	
		Final		130.6 150.1 66.2 674.6					
		Closed in		193.3 1938.0 2029.2 2021.1				30 28	
Second Period	Flow	Initial		78.4 78.3 15.9 154.7				60 61	
		Final		104.5 114.8 13.3 150.7					
		Closed in		219.4 2199.2 2240.8 2235.4				90 90	
Third Period	Flow	Initial						180 181	
		Final							
		Closed in							
Final Hydrostatic		2961.6 2912.4 3021.2 2955.0							

Casing perms. _____ Bottom choke .75" Surf. temp. _____ °F Ticket No. 675049
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides 54,000 ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0300						Opened tool with a fair blow.
0305						Good blow.
0310						"
0315						"
0320						No gas.
0325						Good blow.
0330						Closed tool.
0430		3/8	2			Opened tool.
0435		"	13			
0436		"	11	88.4		Gas to surface in 6 minutes.
0445		"	6	71.4		
0450		"	1	54.4		
0455		"	1	54.4		
0500		"	1	54.4		
0515		"	1/2	52.7		
0530		"	1/2	52.7		
0545		"	"	"		
0600		"	"	"		Closed tool.
0900						Pulled loose.

Gauge No. 512				Depth 5850				Clock No. 13736				24 hour				Ticket No. 675049							
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.	Log $t + \frac{\theta}{\theta}$	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.			
0	.0000	109.6	.0000	150.1	.0000	78.3	.0000	.0000	.0000	114.8													
1	.0970	150.1	.2090	1938.0	.0508	96.6	.0446*			639.1													
2	(PLUGGING. . .)				.1017	99.2	.0858			1042.1													
3					.1525	108.3	.1269			1353.9													
4					.2033	112.2	.1681			1601.5													
5					.2542	113.5	.2093			1774.4													
6					.3050	114.8	.2505			1895.7													
7							.2916			1985.5													
8							.3328			2040.8													
9							.3740			2085.7													
10							.4151			2120.0													
11							.4563			2141.1													
12							.4975			2160.9													
13							.5386			2178.1													
14							.5798			2189.9													
15							.6210			2199.2													

Gauge No. 113				Depth 5912				Clock No. 13433				24 hour			
Time Defl. "000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	Time Defl. "000"	PSIG Temp. Corr.	
0	.0000	436.5	.0000	674.6	.0000	154.7	.0000			150.7					
1	.0950	674.6	.2060	2025.1	.0502	175.9	.0436*			681.0					
2	(PLUGGING. . .)				.1003	185.1	.0838			1102.6					
3					.1505	182.5	.1241			1425.0					
4					.2006	175.9	.1643			1662.2					
5					.2508	167.9	.2046			1828.5					
6					.3010	150.7	.2448			1944.6					
7							.2850			2026.4					
8							.3253			2083.3					
9							.3655			2125.6					
10							.4058			2158.7					
11							.4460			2181.2					
12							.4862			2199.7					
13							.5265			2214.2					
14							.5667			2226.1					
15							.6070			2235.4					

Reading Interval	15	12	Minutes
REMARKS: * - first interval is equal to 13 minutes.			

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	4.50"	3"	1'	
Water Cushion Valve				
Drill Pipe	4"	3.340"	5229'	
Drill Collars	6"	2.25"	611'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	6'	5840'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	5846'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	5850'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	5858'
Distributor				
Packer Assembly	6 3/4"	1.53"	6'	5864'
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"	2.25"	29'	
Flush Joint Anchor	5 3/4"	2.87"	18.40'	
Blanked-Off B.T. Running Case	5 3/4"		4'	5912'
Total Depth				5916'