

FLUID SAMPLE DATA				Date 1-5-72		Ticket Number 444989	
Sampler Pressure _____ 100 @ 40° F. Recovery: Cu. Ft. Gas _____ Plugged after 0.042 cc. Oil _____ 1650 cc. Water _____ - cc. Mud _____ - Tot. Liquid cc. _____ 1650 Gravity _____ 50.8 ° API @ _____ 60 ° F. Gas/Oil Ratio _____ cu. ft./bbl.				Kind _____ 6 1/2" ft. OPEN HOLE STRADDLE Tester _____ MR. SMITH Witness _____ MR. THOMAS Drilling Contractor _____ ARAPAHOE DRILLING COMPANY IC S		Holliburton District _____ FARMINGTON District _____	
EQUIPMENT & HOLE DATA							
				Formation Tested _____ Point Lookout _____			
				Elevation _____ 7038' _____ Ft.			
				Net Productive Interval _____ 12' _____ Ft.			
				All Depths Measured From _____ Rotary Kelly Bushing			
				Total Depth _____ 4273' _____ Ft.			
				Main Hole/Casing Size _____ 7 7/8"			
				Drill Collar Length _____ 467' I.D. _____ 2 1/4"			
				Drill Pipe Length _____ 3539' I.D. _____ 3.340"			
				Packer Depth(s) _____ 4071' - 4074' - 4089' _____ Ft.			
				Depth Tester Valve _____ 4057' _____ Ft.			
RESISTIVITY		CHLORIDE CONTENT					
Recovery Water _____ @ _____ ° F. _____ ppm		Recovery Mud _____ @ _____ ° F. _____ ppm					
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm		Mud Pit Sample _____ @ _____ ° F. _____ ppm					
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm		Mud Weight _____ 9.8 vis _____ 65 cp					
TYPE		AMOUNT		Depth Back		Surface	
Cushion -				Ft. Pres. Valve -		Choke 3/4" ADJ Choke 3/4"	
Recovered 60		Feet of Oil & gas cut mud		RECEIVED MAR 2 1972 OIL CON. COM. DIST. 3			
Recovered 90		Feet of Very highly oil & gas cut mud					
Recovered 317		Feet of Free oil					
Recovered		Feet of					
Recovered		Feet of					
Remarks Opened tool for 14 minute first flow with a weak blow. Closed tool for 60 minute initial closed in pressure. Reopened tool at 15:03 for 132 minute second flow with a weak blow increasing to strong blow at 15:06. Opened to flow line at 15:15. Closed to bubble hose at 15:18. Opened to flow line at 15:35. Closed to bubble hose at 15:38. Opened to flow line at 16:00. Closed tool to bubble hose at 16:03. Gas to surface at 16:15. Opened to flow line at 16:57 - gas too small to measure. Closed tool for 91 minute second closed in pressure.							
TEMPERATURE		Gauge No. 2033		Gauge No. 2032		Gauge No. 69	
Depth: _____ 4069' _____ Ft.		Depth: _____ 4085' _____ Ft.		Depth: _____ 4268' _____ Ft.		TIME	
24 Hour Clock		12 Hour Clock		24 Hour Clock		Tool _____ XXXX	
Blanked Off NO		Blanked Off YES		Blanked Off YES		Opened 13:48 P.M.	
Actual 104 ° F.		Pressures		Pressures		Tool _____ XXXX	
		Field Office		Field Office		Closed 18:45 P.M.	
Initial Hydrostatic		1935 1966		1969 1970		Reported _____ Computed _____	
Flow Initial		27 28		27 36		Minutes _____ Minutes _____	
Flow Final		53 81		53 85		15 14	
Closed in		1458 1485		1456 1496		60 60	
Flow Initial		53 57		53 63		1635	
Flow Final		160 169		160 172		132 132	
Closed in		1404 1439		1403 1447		90 91	
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		1908 1923		1933 1935		2006	

FORMATION TEST DATA

LITTLE'S

Gauge No.		2033		Depth		4069'		Clock No.		9756		2 1/2 hour		Ticket No.		444989	
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"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	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 .000	28	.000		81	.000	57	.000		169	.000							
1 .045	81	.0034		133	.0737	81	.0737		328	.0067							
2		.0068		188	.1474	102	.1474		611	.0134							
3		.0101		269	.2211	125	.2211		930	.0200							
4		.0135		387	.2948	148	.2948		1140	.0267							
5		.0169		578	.3685	162	.3685		1221	.0334							
6		.0203		827	.4420	169	.4420		1259	.0401							
7		.0237		1057					1280	.0467							
8		.0271		1226					1300	.0535							
9		.0304		1310					1316	.0601							
10		.0338		1356					1327	.0668							
11		.0677		1452					1388	.1336							
12		.1015		1470					1415	.2004							
13		.1353		1478					1433	.2673							
14		.1692		1483					1439	.3040							
15		.2030		1485													

Gauge No.		2032		Depth		4085'		Clock No.		10445		12 hour	
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 .000	36	.000		85	.000	63		.000		172			
1 .091	85	.0067		124	.146	84		.0133		311			
2		.0134		180	.292	105		.0266		558			
3		.0200		253	.438	129		.0398		916			
4		.0267		355	.584	153		.0531		1151			
5		.0334		537	.730	166		.0664		1229			
6		.0401		774	.876	172		.0797		1266			
7		.0468		1021				.0930		1291			
8		.0535		1197				.1062		1310			
9		.0601		1303				.1195		1324			
10		.0668		1357				.1328		1336			
11		.1337		1463				.2656		1395			
12		.2005		1481				.3984		1425			
13		.2673		1489				.5312		1440			
14		.3341		1493				.6040		1447			
15		.4010		1496									
Reading Interval		*		22				**				Minutes	

REMARKS: *FIRST 10 INTERVALS EQUAL TO 1 MINUTE EACH; NEXT 5 INTERVALS EQUAL TO 10 MINUTES EACH.
**FIRST 10 INTERVALS EQUAL TO 2 MINUTES EACH; NEXT 3 INTERVALS EQUAL TO 20 MINUTES EACH AND LAST INTERVAL EQUAL TO 11 MINUTES.

SPECIAL PRESSURE DATA

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4"	3.340"	3539'	
Drill Collars	6 1/4"	2 1/4"	467'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler				
Hydro-Spring Tester	5"		4'	4057'
Multiple CIP Sampler	5"		4'	
Extension Joint	5"	1"	4'	
AP Running Case	5"		4'	4069'
Hydraulic Jar	5"	1"	6'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2"	6'	4071'
Distributor				
Packer Assembly	6 3/4"	2"	4'	4074'
Flush Joint Anchor	5"	2 1/2"	5'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"		4'	4085'
Drill Collars				
Anchor Pipe Safety Joint	5"	1"	3'	
Packer Assembly	6 3/4"	2"	4'	4089'
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6 1/4"	2 1/4"	155'	
Flush Joint Anchor	5"	2 1/2"	19'	
Blanked-Off B.T. Running Case	5"		5'	4268'