FLUID SAMPLER DATA

Sampler Pressure _____ P.S.I.G. at Surface
Recovery: Cu. Ft. Gas _____
cc. Oil _____
cc. Water _____
cc. Mud _____
Tot. Liquid cc. _____
Gravity _____ ° API @ _____ °F.
Gas/Oil Ratio _____ cu. ft./bbl.

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	____ @ ____ °F.	____ ppm
Recovery Mud	____ @ ____ °F.	
Recovery Mud Filtrate	____ @ ____ °F.	____ ppm
Mud Pit Sample	____ @ ____ °F.	
Mud Pit Sample Filtrate	____ @ ____ °F.	____ ppm
Mud Weight	9.6 vis 55 cp	

Date 3-18-71 Ticket Number 282228
Kind of Job OPEN HOLE Halliburton District FARMINGTON
Tester MR. DAVIS Witness MR. LANDRUM
Drilling Contractor LOFFLAND BROTHERS DR S

EQUIPMENT & HOLE DATA

Formation Tested Dakota
Elevation 6000+- Ft.
Net Productive Interval 285' Ft.
All Depths Measured From Rotary Kelly Bushing
Total Depth 4550' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 838' I.D. 2.75"
Drill Pipe Length 3712' I.D. 3.826"
Packer Depth(s) 4458'-4465' Ft.
Depth Tester Valve 4426' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke 1/4" Bottom Choke 3/4"

Recovered 4426 Feet of water
Recovered Feet of
Recovered Feet of NOTE: BOTH CLOSED IN PRESSURES APPEAR TO BE QUESTIONABLE
Recovered Feet of DUE TO POSSIBLE BY-PASSINGS.
Recovered Feet of

Meas. From Tester Valve

RECEIVED
MAY 5 1971
OIL CON. COM.
DIST. 3

Remarks Opened tool for 10 minute first flow with a good blow. Closed tool for 57 minute first closed in pressure. Reopened tool for 32 minute second flow, after 15 minutes, fluid hit surface. Closed tool for 61 minute second closed in pressure.

TEMPERATURE	Gauge No. 786 Depth: 4434 Ft.	Gauge No. 730 Depth: 4545 Ft.	Gauge No. Depth: Ft.	TIME
	12 Hour Clock	24 Hour Clock	Hour Clock	Tool Opened A.M. 08:00 P.M.
Est. °F.	Blanked Off No	Blanked Off Yes	Blanked Off	Tool Closed A.M. 09:40 P.M.
Actual 130 °F.	Pressures	Pressures	Pressures	

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic		2172	2125	2259.3	2278				
First Period	Flow Initial	53.9	826	1169.7	1187			____	____
	Flow Final	1369	1388	1541.1	1599			10	10
	Closed in	2118.2	2132	2286.0	2278			60	57
Second Period	Flow Initial	1395.7	1405	1673.7	1687			____	____
	Flow Final	1850.2	1885	2018.7	2033			30	32
	Closed in	2091.3	2128	2259.3	2262			60	61
Third Period	Flow Initial							____	____
	Flow Final								
	Closed in								
Final Hydrostatic		2091.3	2116	2259.3	2255			____	____

Legal Location Sec. - Twp. - Rng.
Lease Name NAVAJO TRIBAL
Well No. 1-22
Test No. 1
Tested Interval 4465'-4550'
Field Area WILDCAT
County SAN JUAN
State NEW MEXICO
Lease Owner/Company Name WOOD OIL COMPANY

PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE S 83423 15M 4/63—53, 34-13

Gauge No. 786	Depth 4434'	Clock No. 1778	12 hour	Ticket No. 282228

	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	.000	826	.000		1388	.000	1405	.000		1885					
1	.0138	850	.006		1997*	.054	1715	.0397		2112					
2	.0276	1021	.373		2132	.108	1914	.0794		2128					
3	.0414	1151				.162	1890	.1191		2128					
4	.0552	1283				.216	1885	.1588		2128					
5	.0690	1388						.1985		2128					
6								.2382		2128					
7								.2779		2128					
8								.3176		2128					
9								.3573		2128					
10								.4040		2128**					
11															
12															
13															
14															
15															

Gauge No. 730	Depth 4545'	Clock No. 7276	24 hour

0	.000	1187	.000		1599	.000	1687	.000		2033					
1	.0064	1267	.004		2146*	.0273	1916	.020		2247					
2	.0128	1328	.191		2278	.0546	2063	.040		2262					
3	.0192	1420				.0819	2036	.060		2262					
4	.0256	1501				.1090	2033	.080		2262					
5	.0320	1599						.100		2262					
6								.120		2262					
7								.140		2262					
8								.160		2262					
9								.180		2262					
10								.204		2262**					
11															
12															
13															
14															
15															

Reading Interval 2 — 8 — 6 Minutes

REMARKS: * After 2 minutes tool possibly bypassed **- Last interval equal to 7 minutes.

282228

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5 3/4"	2.5"	1'	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	3712'	
Drill Collars	6¼"	2.75"	838'	
Handling Sub & Choke Assembly				
Dual CIP Valve				
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	4'	4426'
Multiple CIP Sampler	5"	.50"	4'	
Extension Joint	5"	1.00"	5'	
AP Running Case	5"	1.00"	5'	4434'
Hydraulic Jar	5"	1.00"	5'	
VR Safety Joint	5"	1.00"	5'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.3"	5'	4458'
Distributor	5"	1.00"	2'	
Packer Assembly	6 3/4"	1.3"	5'	4465'
Flush Joint Anchor	5 3/4"	2.5"	31'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars	6¼"	2.75"	2.43'	
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	2.5"	6'	
Blanked-Off B.T. Running Case	5 3/4"	2.5"	5'	4545'