FLUID SAMPLE DATA

Sampler Pressure 0 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas 0
cc. Oil
cc. Water 1200
cc. Mud
Tot. Liquid cc. 1200
Gravity ° API @ °F.
Gas/Oil Ratio cu. ft./bbl.

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	0.164 @ 68 °F.	29,500 ppm
Recovery Mud	@ °F.	
Recovery Mud Filtrate	@ °F.	ppm
Mud Pit Sample	@ °F.	
Mud Pit Sample Filtrate	0.479 @ 68 °F.	8,500 ppm
Mud Weight	8.4 vis	28 cp

Date 5-16-73 Ticket Number 236174
Kind of Job OPEN HOLE Halliburton District LOVINGTON
Tester MR. CASTELLOW Witness MR. UNDERWOOD
Drilling Contractor MORAN DRILLING COMPANY TC

EQUIPMENT & HOLE DATA

Formation Tested Delaware
Elevation - Ft.
Net Productive Interval 22' Ft.
All Depths Measured From Rotary Table
Total Depth 4310' Ft.
Main Hole/Casing Size 8 3/4"
Drill Collar Length 540' I.D. 2.50"
Drill Pipe Length 2185'-1500' I.D. 3.826"-3.640"
Packer Depth(s) 4250' - 4256' Ft.
Depth Tester Valve 4225' Ft.

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

Recovered 238 Feet of Water with salty taste
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Meas. From Tester Valve

Remarks SEE PRODUCTION TEST DATA SHEET...

TEMPERATURE	Gauge No. 1636 Depth: 4301' Ft.		Gauge No. 35 Depth: 4306' Ft.		Gauge No. Depth: Ft.		TIME	
	12 Hour Clock		12 Hour Clock		Hour Clock		Tool Opened 12:15 P.M.	XXX
Est. °F.	Blanked Off NO		Blanked Off YES		Blanked Off		Tool Closed 2:30 P.M.	XXX
Actual 112 °F.	Pressures		Pressures		Pressures		Reported Minutes	Computed Minutes
	Field	Office	Field	Office	Field	Office		
Initial Hydrostatic	1926	1911	1880	1910			—	—
First Period Flow Initial	69	82	84	87			15	
First Period Flow Final	92	103	105	104			60	
First Period Closed in	206	209	211	211			—	—
Second Period Flow Initial	92	130	105	132			30	
Second Period Flow Final	114	140	126	140			30	
Second Period Closed in	160	163	148	164			—	—
Third Period Flow Initial								
Third Period Flow Final								
Third Period Closed in							—	—
Final Hydrostatic	1903	1911	1858	1910				

Legal Location Sec. - Twp. - Rng. 1 - 20S - 28E
Lease Name SHELL FEDERAL
Test No. 1
Field Area WILDCAT EAST OF CARLSBAD
Tested Interval 4256' - 4310'
County EDDY
Lease Owner/Company Name WILLIAMSON & UNDERWOOD
State NEW MEXICO

FORMATION TEST DATA