

| FLUID SAMPLE DATA | | | | Date | | Ticket Number | |
|--|--|----------------|--|---|--|--------------------------------|--|
| Sampler Pressure 400 P.S.I.G. at Surface | | | | 6-18-73 | | 387636 | |
| Recovery: Cu. Ft. Gas .7 | | | | Kind of Job OPEN HOLE | | Halliburton District ARTESIA | |
| cc. Oil | | | | Tester SUESS | | Witness WILLIAMSON & UNDERWOOD | |
| cc. Water 2500 | | | | Drilling Contractor MORANCO | | NM S | |
| cc. Mud | | | | EQUIPMENT & HOLE DATA | | | |
| Tot. Liquid cc. 2500 | | | | Formation Tested Morrow | | | |
| Gravity ° API @ ° F. | | | | Elevation 3272' K.B. Ft. | | | |
| Gas/Oil Ratio cu. ft./bbl. | | | | Net Productive Interval 25' Ft. | | | |
| RESISTIVITY | | | | All Depths Measured From 12' Kelly Bushing | | | |
| CHLORIDE CONTENT | | | | Total Depth 11,317' Ft. | | | |
| Recovery Water @ ° F. ppm | | | | Main Hole/Casing Size 8 3/4" | | | |
| Recovery Mud @ ° F. | | | | Drill Collar Length 634' I.D. 2.25" | | | |
| Recovery Mud Filtrate @ ° F. ppm | | | | Drill Pipe Length 10,594' I.D. 3.826" | | | |
| Mud Pit Sample @ ° F. | | | | Packer Depth(s) 11,264' - 11,270' Ft. | | | |
| Mud Pit Sample Filtrate @ ° F. 173,000 ppm | | | | Depth Tester Valve 11,234' Ft. | | | |
| Mud Weight 10.3 vis 32 cp | | | | | | | |
| TYPE | | AMOUNT | | Depth Back | | Surface | |
| Cushion | | NONE | | Ft. Pres. Valve | | Choke | |
| | | | | NONE | | 1" ADJ. Bottom Choke .75" | |
| Recovered | | 282' Feet of | | drilling mud - slightly gas cut | | | |
| Recovered | | 3350' Feet of | | formation water - slightly gas cut... | | | |
| Recovered | | Feet of | | | | | |
| Recovered | | Feet of | | | | | |
| Recovered | | Feet of | | | | | |
| Remarks | | | | Tool opened for a 29 minute first flow with a good blow. Had no increase or decrease in blow throughout the first flow. Closed tool for a 60 minute first closed in pressure. Tool reopened with a good blow for a 16 minute flow period. (CHARTS INDICATE THAT TOOL FAILED TO CLOSE FOR THE SECOND CLOSED IN PRESSURE.) Pulled tools loose and came out of the hole.. Q = QUESTIONABLE.. | | | |
| TEMPERATURE | | Gauge No. 1639 | | Gauge No. 1638 | | Gauge No. | |
| Depth: | | 11,252' Ft. | | 11,313' Ft. | | Ft. | |
| Est. ° F. | | 12 Hour Clock | | 24 Hour Clock | | Hour Clock | |
| Blanked Off | | NO | | Blanked Off | | YES | |
| Actual 180 ° F. | | Pressures | | Pressures | | Pressures | |
| | | Field Office | | Field Office | | Field Office | |
| Initial Hydrostatic | | 5986 6013 | | 6022 6026 | | Reported Computed | |
| Flow Initial | | 442 3160 | | 613 263 | | Minutes Minutes | |
| Flow Final | | 1500 1513 | | 1531 1548 | | 30 20 | |
| Closed in | | 4517 4550 | | 4567 4581 | | 60 60 | |
| Flow Initial | | 1588 1579 | | 1618 1633 | | 10 16 | |
| Flow Final | | 1985 2024 | | 2011 2051 | | 5 - | |
| Closed in | | - - | | - - | | - - | |
| Flow Initial | | | | | | | |
| Flow Final | | | | | | | |
| Closed in | | | | | | | |
| Final Hydrostatic | | 5942 5991 | | 5978 6011 | | | |

Legal Location
Sec. - Twp. - Rng. 1 - 20S - 29E

Lease Name
SHELL FEDERAL

Well No.
1

Test No.
6

Field Area
WILDCAT

County
EDDY

Lease Owner/Company Name
UNDERWOOD AND WILLIAMSON

State
NEW MEXICO