

WELL PERFORMANCE TESTING™  
REPORT

Based On Model Verified™ Interpretation

REPORT NO.  
102256 DST 2  
PAGE NO. 1

TEST DATE:  
22-Sep-1987

Company: SANTA FE ENERGY

TEST IDENTIFICATION  
Test Type ..... MFE OH SPRO/TELE  
Test No. .... Two  
Formation ..... Lwr Atoka-Upr Morrow  
Test Interval (ft) ... 14356 to 14406  
Reference Depth ..... Kelly Bushing

HOLE CONDITIONS  
Total Depth (MD/TUD)(ft) . 14406  
Hole Size (in) ..... 6  
Casing/Liner I.D. (in) ... --  
Perf'd Interv./Nt Pay(ft) ... / 10  
Perf'd Interv./Diameter(in) ...

Shot Density  
INITIAL TEST CONDITIONS  
Initial Hydrostatic (psi). 8314  
Gas Cushion Type ..... None  
Surface Pressure (psi) ... --  
Liquid Cushion Type ..... Fresh Water  
Cushion Length (ft) ..... 6469

NET PIPE RECOVERY

| Volume    | Fluid Type | Properties |
|-----------|------------|------------|
| 6469 feet | Cushion    |            |
|           |            |            |
|           |            |            |
|           |            |            |
|           |            |            |
|           |            |            |
|           |            |            |
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|           |            |            |

VALIDATION RESULTS

Model of Behavior .....  
Tubing Used .....  
Pressure (psi) .....

Well: STERLING SILVER "34" FEDERAL #1  
WELL LOCATION  
Field ..... Wildcat  
County ..... Eddy  
State ..... New Mexico  
Sec/Twn/Rng ..... 34/ 23s/ 31e  
Elevation (ft) ..... 3449

MUD PROPERTIES  
Mud Type ..... Drispac  
Mud Weight (lb/gal) ..... 11.1  
Mud Resistivity (ohm.m) .. 0.08 at 70 F  
Mud Resistiv.(ohm.m). --  
Filtrate Resistiv. (ppm) . 140,000  
Filtrate Chlorides (ppm) . 14350, 14356

TEST STRING CONFIGURATION  
Pipe Length (ft)/I.D.(in). 5013/2.76 830F  
Collar Length ft/I.D.(in). 983 / 2.25  
Packer Bottomhole Gauge Depth (ft)/Type .... 14350, 14356  
Size(in). 1/2  
14306 / SPRO

NET SAMPLE CHAMBER RECOVERY

| Volume   | Fluid Type | Properties |
|----------|------------|------------|
| 13.6 SCF | Gas        | 0.07 @ 60F |
| 200 cc   | Mud        |            |
|          |            |            |
|          |            |            |
|          |            |            |
|          |            |            |
|          |            |            |
|          |            |            |
|          |            |            |
|          |            |            |

Press. 2918 GOR:

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API) ... None  
Basic Solids (%) .....  
Gas Gravity .....  
Water Cut (%) .....  
Viscosity (cp) .....  
Inf. Compress. (1/psi) .....  
..... 208