

MORLEN #1-16  
C N/2 NE SE  
SECTION 16-34S-32W  
SEWARD COUNTY, KANSAS  
DATE SPUD: 12-26-83  
EL: GL  
KB  
DF

OPERATOR: QUINQUE OPERATING COMPANY  
DRILLING CONTRACTOR: NRG, INC.  
RIG #1  
OBJECTIVE DEPTH: 6565'

DATE

ACTIVITY

\* COMPLETION REPORT \*

1-11-84 Rig up Boland Well Service - picked up tubing - ran GS3 packer, 205 jts + 10' & tagged bottom @ 6479'KB - laid down 2 jts & set packer @ 6397' - SION - DC \$15,550 - TWC \$76,908.

1-12-84 Rig up Rosel - perf w/1-9/16" tubing gun - 4 shots at 6460' - rig up Halco - psi backside to 1000# - loaded tubing & est injection rate 2 BPM @ 1400 psi - pumped 100 sx class H 16.4#/gel & displaced w/25 1/2 BW - at end of displacement, 750 psi - SI 11:00 a.m. - 3:15 p.m. loaded tubing & tested to 1500 psi - released pressure & pulled 2 stands of tubing - tubing pulled wet - pressured tubing to 4000 psi - released pressure - pressured backside to 1000 psi & held - released pressure - set packer - SION - DC \$6,300 - TWC \$83,208.

1-13-84 Released packer - COOH w/tubing - found 8 jts full of cmt - rig up Rosel & ran cmt bond log - top of new cmt @ 6120' - rig up Dunnam Drilling Co. reverse circulator - went in hole w/bit - 4 drill collars & tbg - tagged cmt @ 6400' - drilled out to 6480' - circ hole clean - SION - DC \$3,200 - TWC \$86,400.

1-14-84 Drilled out rubber plugs, insert, 12.75' cement, guide shoe, & made approx 10' open hole - circ hole clean - would circ @ 400 psi - took fluid @ 200 psi - laid down drilling joint & power swivel - rig up Halco - circ 300 gal 15% MCA to bottom of tbg - closed csg valve & pumped 3 BPM @ 1000 psi to displace acid - ISDP 200# vac 2 mins - rig up to swab & swabbed 70 BLW - last two runs show of gas & oil - SI for weekend - DC \$3,200 - TWC \$89,608.

MORLEN #1-16  
C N/2 NE SE  
SECTION 16-34S-32W  
SEWARD COUNTY, KANSAS  
DATE SPUD: 12-26-83  
EL: GL  
KB  
DF

OPERATOR: QUINQUE OPERATING COMPANY  
DRILLING CONTRACTOR: NRG, INC.  
RIG #1  
OBJECTIVE DEPTH: 6565'

---

DATE

ACTIVITY

PAGE 2

---

\* COMPLETION REPORT \*

1-16-84

SITP 0 SICP 0 - fl 2000' - rec 700' GCMWO on top of first run (approx 50% oil - 38.1° gravity @ 60°F; water: SG 1.055, ph 9.5, cl 19,461 ppm, Ca 3331 ppm, Fe 0, SO<sub>4</sub> 0, R .176 @ 69°F - filtrate water & drlg mud) - swabbed 70 BF - last run 2 PM - tripped tbg out of hole - laid down collars - went in hole w/packer, 205 jts tbg, 10' tbg sub - set packer @ 6470' - SION - DC \$2,300 - TWC \$91,908.

1-17-84

SITP 0 CP 0 - fl 2000' - rec 700' GCMO on first run - swabbed down - rec LCM on swab cup last run - rig up Halco - acidized w/ 1500 gal 28% HCL w/NE - flush w/26 B 1% KCL water - 62 BLTR - swabbed 36 BLW then swabbed 36 BLW w/acid gas & show of oil - last run fl 5500' - SION - DC \$4,600 - TWC \$96,508.

1-18-84

SITP 20# SICP 0 - fl 2200' - rec 500' oil on top of first swab run - swabbed 36 BF w/acid gas, acid water & 5-10% oil - then swabbed 36 BF - formation water (sg 1.13, cl 110,000, ph 7 sulfates Hvy, iron moderate) + 5-10% oil - oil had H<sub>2</sub>S odor - COOH w/tubing & packer - SION - DC \$1,750 - TWC \$98,258.