

35e 660 FS 890 FW Location
LEUM CORPORATION
UNIT # 3
4
Wildcat
Lea STATE New Mexico
Schlumberger
Borehole Compensated Sonic
NGT
600 FSL & 540 FWL Elev.: K.B. 4108 ft
G.L. 4150 ft
D.F. 4167 ft
Permanent Datum: Ground Level Elev.: 4150 ft
Log Measured From: Kelly Bushing 18.0 ft above Perm. Datum
Drilling Measured From: Kelly Bushing
API Serial No. 30-015-35374 SECTION 5 TOWNSHIP 12S RANGE 35E
Logging Date 31-AUG-2001
Run Number One
Depth Driller 12880 ft
Schlumberger Depth 12880 ft
Bottom Log Interval 12880 ft
Top Log Interval 4200 ft
Casing Driller Size @ Depth 8.625 in @ 4200 ft
Casing Schlumberger 4200 ft
Bit Size 7.875 in
Type Fluid In Hole Drills / Slurries / Salt Gel
Density 10.2 lbm/gal 50 s
Viscosity 9.6 cP 11
Source Of Sample Circulation Tank
FMS @ Measured Temperature 0.052 cfm.m @ 87 degF
FMS @ Measured Temperature 0.051 cfm.m @ 72 degF
Source FMS FMS Measured
FMS @ Measured Temperature 0.055 @ 100 0.050 @ 100
FMS @ Measured Temperature 184 degF 100
Circulation Stopped Time 31-AUG-2001 4:15
Log Run Bottom Time 31-AUG-2001 19:30
Unit Number Location 3049 Powell, N.M.
Recorded By Adam Hill
Witnessed By John Arnet

Indigo Unit #1 - Run 2
Wildcat
Lea STATE New Mexico
Schlumberger
Platform Express
Three Detector Litho-Density
Compensated Neutron / GR
600 FSL & 600 FWL Elev.: K.B. 4140 ft
G.L. 4123 ft
D.F. 4130 ft
Permanent Datum: Ground Level Elev.: 4123 ft
Log Measured From: Kelly Bushing 17.0 ft above Perm. Datum
Drilling Measured From: Kelly Bushing
API Serial No. 30-021-34491 SECTION 7 TOWNSHIP 12S RANGE 35E
Logging Date 30-JUL-2000
Run Number Two
Depth Driller 13440 ft
Schlumberger Depth 13440 ft
Bottom Log Interval 13440 ft
Top Log Interval 12000 ft
Casing Driller Size @ Depth 8.625 in @ 4280 ft
Casing Schlumberger 4172 ft
Bit Size 7.875 in
Type Fluid In Hole Salt Gel / Pac
Density 10.4 lbm/gal 45 s
Viscosity 5.0 cP 11
Source Of Sample Circulation Tank
FMS @ Measured Temperature 0.068 cfm.m @ 75 degF
FMS @ Measured Temperature 0.073 cfm.m @ 75 degF
Source FMS FMS Measured
FMS @ Measured Temperature 0.044 @ 177 0.032 @ 177
FMS @ Measured Temperature 177 degF 100
Circulation Stopped Time 30-JUL-2000 12:00
Log Run Bottom Time 30-JUL-2000 20:00
Unit Number Location 3049 Powell, N.M.
Recorded By C. Scheldeman
Witnessed By Reed Meek

LEX ACOUSTIC VELOCITY LOG
COMPANY HANAGAN PETROLEUM CORPORATION
43075.3
STATE "N" # 1
WELL FOUR LAKES
COUNTY LEA STATE NEW MEXICO
Location 660' FSL 660' FWL
Sec. 1 Top 12-S Range 34-E
Permanent Datum: Ground Level Elev. 4139
Log Measured From: Kelly Bushing, L.P. Elev. 4156
Drilling Measured From: Kelly Bushing Elev. 4155
G.L. 4139
Date 9-16-64
Run No. One
Depth Driller 12,431
Depth - Well 12,428
Time Log Int. 12,422
Top Log Int. 4,150
Casing - Driller 9-5/8" @ 4175
Casing - Well 8-3/4" @ 4175
Bit Size 8-3/4"
Type Fluid In Hole Oil Base Mud
Density 9.1 lb/gal
Viscosity 6.5 lb/gal
Source of Sample Circulation
FMS @ Meas. Temp. 1.1 @ 70°F
FMS @ Meas. Temp. 1.1 @ 70°F
FMS @ Meas. Temp. 1.1 @ 70°F
FMS @ Meas. Temp. 1.1 @ 70°F
FMS @ Meas. Temp. 1.1 @ 70°F
Time Since Circ. 60°F @ 100
Depth - Record on 7121 Hobbs
Recorded By D. A. Fitch

COMPANY PRICE PRODUCTION
COMPANY
EUL FOUR LAKES STATE
OF NEW MEX., # 1
LD WILDCAT
LOCATION SEC. 11-12S-34E
COUNTY LEA STATE NEW MEXICO
Elevation: K.B.: 4163
G.L.: 4163
Log Depths Measured From KB 13 Ft. above GL
RUN No. ONE TWO THREE
Date 2-13-60 2-18-60 2-22-60
Int. Recalling 12018 12403 12550
Int. Recalling 4193 11800 12403
Int. Measured 7825 603 247
Log. Driller 4193 4200 4200
Log. Driller 4200 4200 4200
Log. Reached 12023 12406 12550
Bottom Driller 12355 12404 12550
Lud. Nat. SALTY GEL CHEM GEL CHEM GEL
Visc. 9.5 @ 41 9.4 @ 43 9.6 @ 44
Lud. Resist. 1.17 @ 65 °F 1.2 @ 65 °F 1.2 @ 65 °F
Res. BHT .05 @ 225 °F .05 @ 225 °F .05 @ 225 °F
pH 12.5 @ 67 °F 12.5 @ 67 °F 12.5 @ 67 °F
Wt. loss 25 cc 30 min 20 cc 30 min 12.4 cc 30 min
RmF 8.2 @ 67 °F 8.2 @ 67 °F 8.2 @ 67 °F
Size 3' 1" 3' 1" 3' 1"
CSG TO 10810 TO 10810 TO 10810
CSG TO 12080 TO 12080 TO 12080
CSG TO 12400 TO 12400 TO 12400
CSG TO 12650 TO 12650 TO 12650
Log. Rig Time 6 HRS. 2 1/2 HRS. 2 HRS.
Log. No. 1548 KERMIT 1504 HOBBS 2527 HOBBS
Recorded By WENDLAND MAHONEY ROUSH
Witnessed By GANN NOTTINGHAM NOTTINGHAM

