

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

Company New Gulf Operating, LLC Lease & Well No. Zerr No. 2
Elevation 2970 EST Formation Lansing/Kansas City "A" - "B" Effective Pay -- Ft. Ticket No. 2832
Date 12-17-11 Sec. 17 Twp. 12S Range 32W County Logan State Kansas

Test Approved By Stephen Murphy Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,050 ft. to 4,100 ft. Total Depth 4,100 ft.
Packer Depth 4,045 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,050 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,031 ft. Recorder Number 8471 Cap. 10,000 psi
Bottom Recorder Depth (Outside) 4,097 ft. Recorder Number 11029 Cap. 5,025 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.1 Water Loss 5.6 cc. Drill Pipe Length 4,017 ft. I.D. 3 1/2 in.
Chlorides 2,500 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number 4 Anchor Length 20' perf. w/ 30' drill pipe Size 4 1/2 - FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/2 in., blow increasing. Off bottom of bucket in 19 mins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing. Off bottom of bucket in 23 mins. No blow back during shut-in.

Recovered 30 ft. of gas in pipe
Recovered 15 ft. of oil cut watery mud = .213450 bbls. (Grind out: 15%-oil; 20%-water; 65%-mud)
Recovered 159 ft. of oil cut watery mud = 2.262570 bbls. (Grind out: 4%-oil; 47%-water; 49%-mud)
Recovered 124 ft. of oil cut muddy water = 1.764520 bbls. (Grind out: 2%-oil; 84%-water; 14%-mud)
Recovered 298 ft. of TOTAL FLUID = 4.240540 bbls. Chlorides: 46,500 Ppm PH: 6.0 RW: .12 @ 62°
Remarks Tool Sample Grind Out: 2%-oil; 97%-water; 1%-mud
Diesel in bucket.

Time Set Packer(s) 2:40 ~~XXX~~ A.M. Time Started Off Bottom 5:10 ~~XXX~~ A.M. Maximum Temperature 117°
Initial Hydrostatic Pressure (A) 1960 P.S.I.
Initial Flow Period Minutes 30 (B) 24 P.S.I. to (C) 96 P.S.I.
Initial Closed In Period Minutes 45 (D) 1190 P.S.I.
Final Flow Period Minutes 30 (E) 98 P.S.I. to (F) 161 P.S.I.
Final Closed In Period Minutes 45 (G) 1171 P.S.I.
Final Hydrostatic Pressure (H) 1956 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING, LLC
Contact DANNY BIRDWELL
Well Name ZERR #2
Unique Well ID DST #1 LKC 'A-B' 4,050' - 4,100'
Surface Location SEC. 17-12S-32W LOGAN CO. KS
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL DRILL-STEM TEST
Formation DST #1 LKC 'A-B' 4,050' - 4,100'
Well Fluid Type 01 Oil

Representative ROGER D. FRIEDLY
Well Operator NEW GULF OPERATING, LLC
Report Date 2011/12/17
Prepared By ROGER D. FRIEDLY

Qualified By STEVE MURPHY

Start Test Date 2011/12/17
Final Test Date

Start Test Time 00:25:00
Final Test Time 07:41:00

Test Recovery:

RECOVERED: 30' GAS IN PIPE
15' OCWM 15% OIL, 20% WTR, 65% MUD
159' OCWM 4% OIL, 47% WTR, 49% MUD
124' OCMW 2% OIL, 84% WTR, 14% MUD
298' TOTAL FLUID

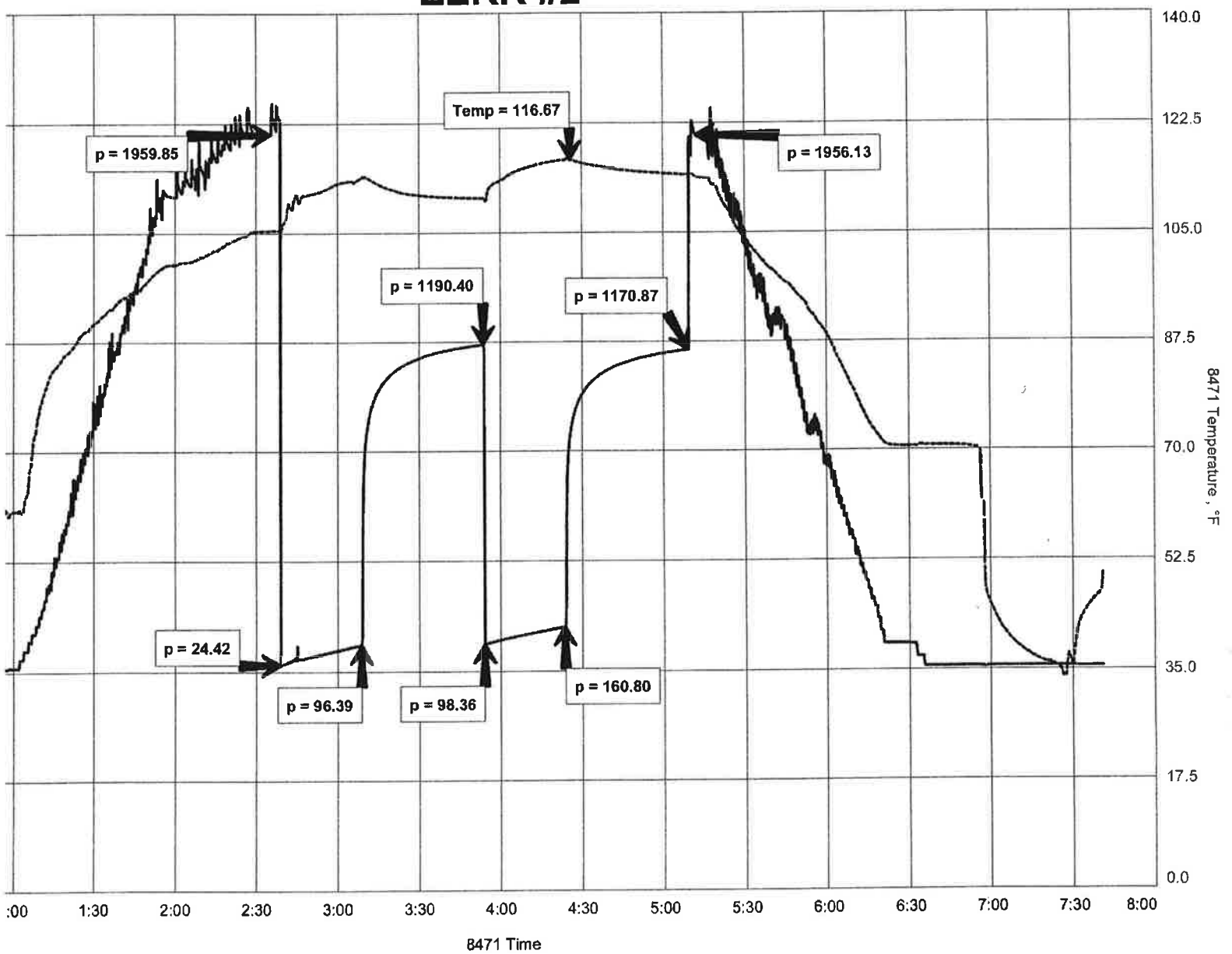
TOOL SAMPLE: 2% OIL, 97% WTR, 1% MUD

CHLORIDES: 46,500 Ppm
PH: 6.0
RW: .12 @ 62 deg

, LLC
4,100'
7

ZERR #2
Formation: DST #1 LKC 'A-B' 4,050' - 4,100'

ZERR #2



SIT #1 outside 11029

LXL 'A-B'

4050-4100

LOL 4097

