



15-185-23488

APZ # 10-10-2010
2-213-12W
SW SW
660 FSL 630 FWL

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

Company L. D. Drilling, Inc. Lease & Well No. Rugan "A" No. 1
Elevation 1850 KB Formation Lansing Effective Pay -- Ft. Ticket No. 2419
Date 12-1-07 Sec. 2 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh Austin Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,195 ft. to 3,270 ft. Total Depth 3,270 ft.
Packer Depth 3,190 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,195 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,184 ft. Recorder Number 30035 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,267 ft. Recorder Number 13387 Cap. 4,000 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 3,048 ft. I.D. 3 1/2 in.
Chlorides 2,500 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 44' perf. w/31' 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: N/A Rig broke down!
2nd Open: N/A

Recovered 0 ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Rig broke down on way in hole.

Time Set Packer(s) -- ~~XXX~~ ^{A.M.} Time Started Off Bottom -- ^{P.M.} Maximum Temperature 80°
Initial Hydrostatic Pressure (A) 448 P.S.I.
Initial Flow Period Minutes 0 (B) -- P.S.I. to (C) -- P.S.I.
Initial Closed In Period Minutes 0 (D) -- P.S.I.
Final Flow Period Minutes 0 (E) -- P.S.I. to (F) -- P.S.I.
Final Closed In Period Minutes 0 (G) -- P.S.I.
Final Hydrostatic Pressure (H) 447 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L.D. DRILLING, INC.

Contact: L.D. DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: RUGAN 'A' #1

Operator: L.D. DRILLING, INC.

Location-Downhole: DST #1 LANSING 3,195' - 3,270'

Location-Surface: SEC 2-21S-12W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number:

Test Unit: NO. 1

Start Date: 2007/12/01 Start Time: 11:14:00

End Date: 2007/12/01 End Time: 14:00:00

Report Date: Prepared By:

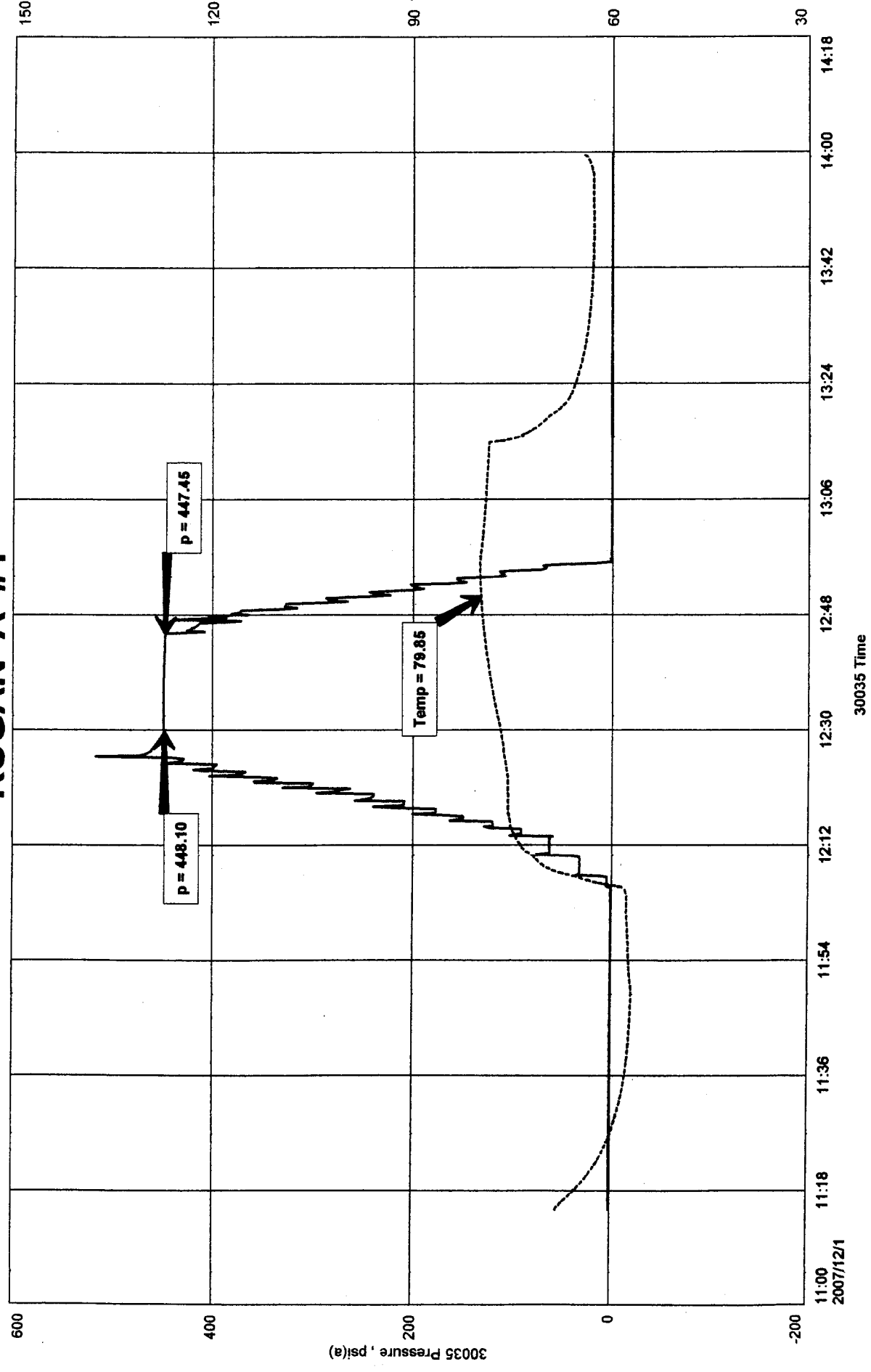
Remarks: Qualified By:

RECOVERED: O' RIG BROKE DOWN ON WAY IN HOLE

DST #1 LANSING 3,195' - 3,270'
Start Test Date: 2007/12/01
Final Test Date: 2007/12/01

Formation: DST #1 LANSING 3,195' - 3,270'
Pool: WILDC

RUGAN 'A' #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D368

Company L. D. Drilling, Inc. Lease & Well No. Rugan "A" No. 1

Elevation 1850 KB Formation Lansing "A"- "F" Effective Pay -- Ft. Ticket No. J2171

Date 12-5-07 Sec. 2 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh Austin Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,195 ft. to 3,270 ft. Total Depth 3,270 ft.

Packer Depth 3,190 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,195 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,198 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,267 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 62 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 7.2 cc. Drill Pipe Length 3,055 ft. I.D. 3 1/2 in.

Chlorides 7,800 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 75 ft. 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: Strong blow. Off bottom of bucket in 1 min. Weak blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 1 min. Gas to surface in 40 mins. Too small to measure. Weak blow back during shut-in.

Recovered 130 ft. of very slightly oil cut gassy mud = .732400 bbls. (Grind out: 2%-oil; 15%-gas; 83%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Gas did burn.

Time Set Packer(s) 9:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 12:00 ~~P.M.~~ ^{A.M.} Maximum Temperature 95°

Initial Hydrostatic Pressure (A) 1567 P.S.I.

Initial Flow Period Minutes 30 (B) 35 P.S.I. to (C) 51 P.S.I.

Initial Closed In Period Minutes 45 (D) 419 P.S.I.

Final Flow Period Minutes 45 (E) 50 P.S.I. to (F) 64 P.S.I.

Final Closed In Period Minutes 60 (G) 416 P.S.I.

Final Hydrostatic Pressure (H) 1528 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: RUGAN "A" #1

Operator: L D DRILLING INC

Location-Downhole: DST #1 3195 TO 3270

Location-Surface: S2/21S/12W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL

Job Number: D368

Test Unit: 2

Start Date: 2007/12/05

Start Time: 19:40:00

End Date: 2007/12/06

End Time: 01:40:00

Report Date: 2007/12/06

Prepared By: JOHN RIEDL

Remarks:

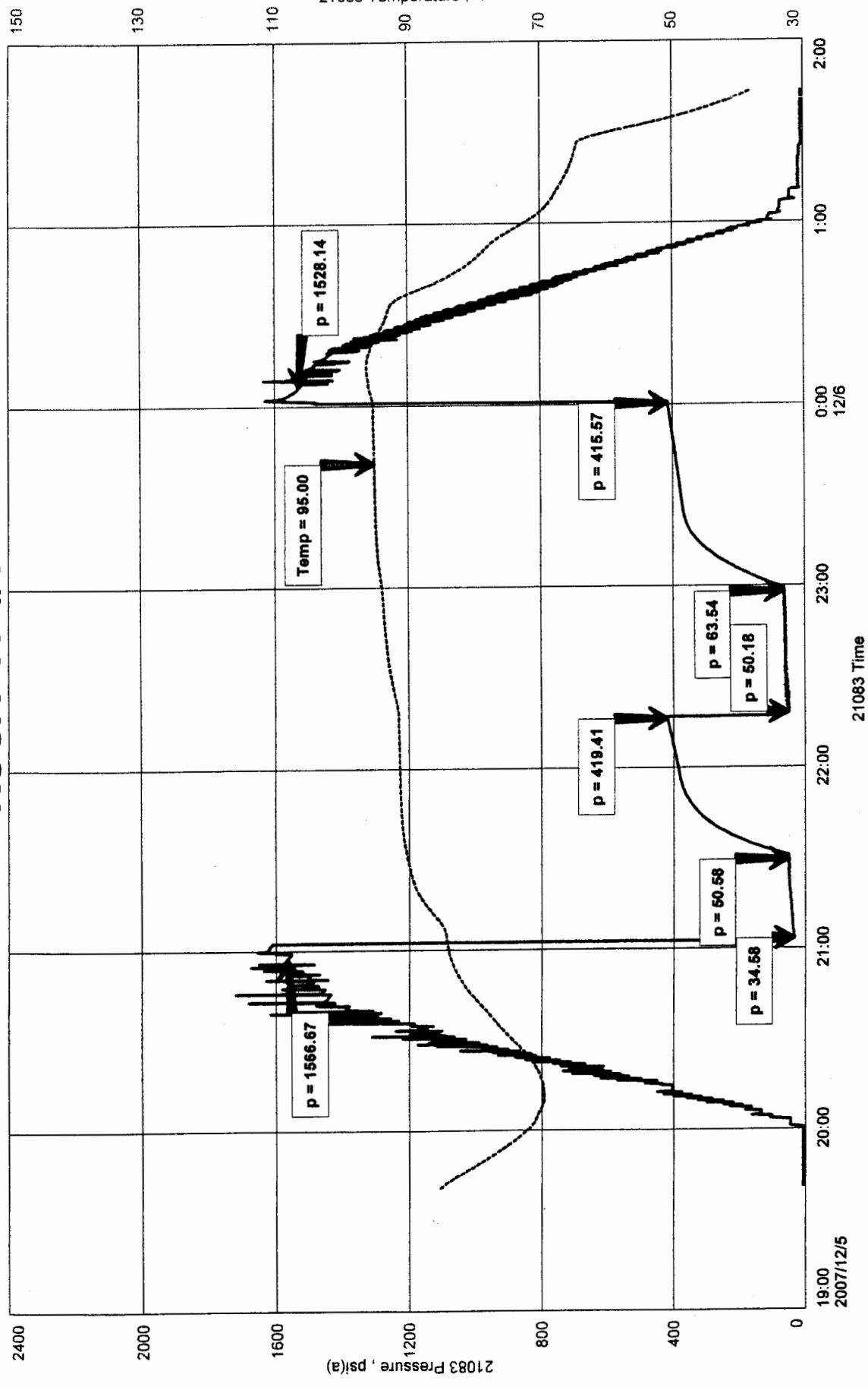
Qualified By: JOSH AUSTIN

GAS TO SURFACE 40 MINUTES INTO FINAL FLOW
RECOVERY: 130' VSLOGGM (2%OIL 15%GAS 87%MUD)

DST #1 3195 TO 3270
Start Test Date: 2007/12/05
Final Test Date: 2007/12/06

Formation: LANS A
Job Number: D36

RUGAN'A" #1





DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D369

Company L. D. Drilling, Inc. Lease & Well No. Rugan "A" No. 1

Elevation 1850 KB Formation Lansing/Kansas City "I" & "J" Effective Pay -- Ft. Ticket No. J2172

Date 12-6-07 Sec. 2 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh Austin Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,316 ft. to 3,395 ft. Total Depth 3,395 ft.

Packer Depth 3,311 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,316 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,319 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,392 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 59 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 3,176 ft. I.D. 3 1/2 in.

Chlorides 8,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 79 ft. 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: Strong blow. Off bottom of bucket in 1 1/2 mins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 1 min. Gas to surface in 10 mins. Guaged 6 MCF/D. Weak blow back during shut-in.

Recovered 20 ft. of gas cut mud = .284000 bbls.

Recovered 250 ft. of mud & gas cut oil = 2.436400 bbls. (Grind out: 20%-mud; 25%-gas; 55%-oil)

Recovered 270 ft. of TOTAL FLUID = 2.720400 bbls.

Recovered ft. of

Recovered ft. of

Remarks Gas did burn.

Time Set Packer(s) 3:10 ~~A.M.~~ P.M. Time Started Off Bottom 6:10 ~~A.M.~~ P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure (A) 1638 P.S.I.

Initial Flow Period Minutes 30 (B) 52 P.S.I. to (C) 86 P.S.I.

Initial Closed In Period Minutes 45 (D) 515 P.S.I.

Final Flow Period Minutes 45 (E) 97 P.S.I. to (F) 118 P.S.I.

Final Closed In Period Minutes 60 (G) 564 P.S.I.

Final Hydrostatic Pressure (H) 1595 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: RUGAN "A" #1

Operator: L D DRILLING INC

Location-Downhole: DST #2 3316 TO 3395

Location-Surface: S2/21S/12W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D369

Test Unit: 2

Start Date: 2007/12/06 Start Time: 14:00:00

End Date: 2007/12/06 End Time: 19:50:00

Report Date: 2007/12/06 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

GAS TO SURFACE 10 MINUTES INTO 2ND FLOW GUAGES 6 MCF/D

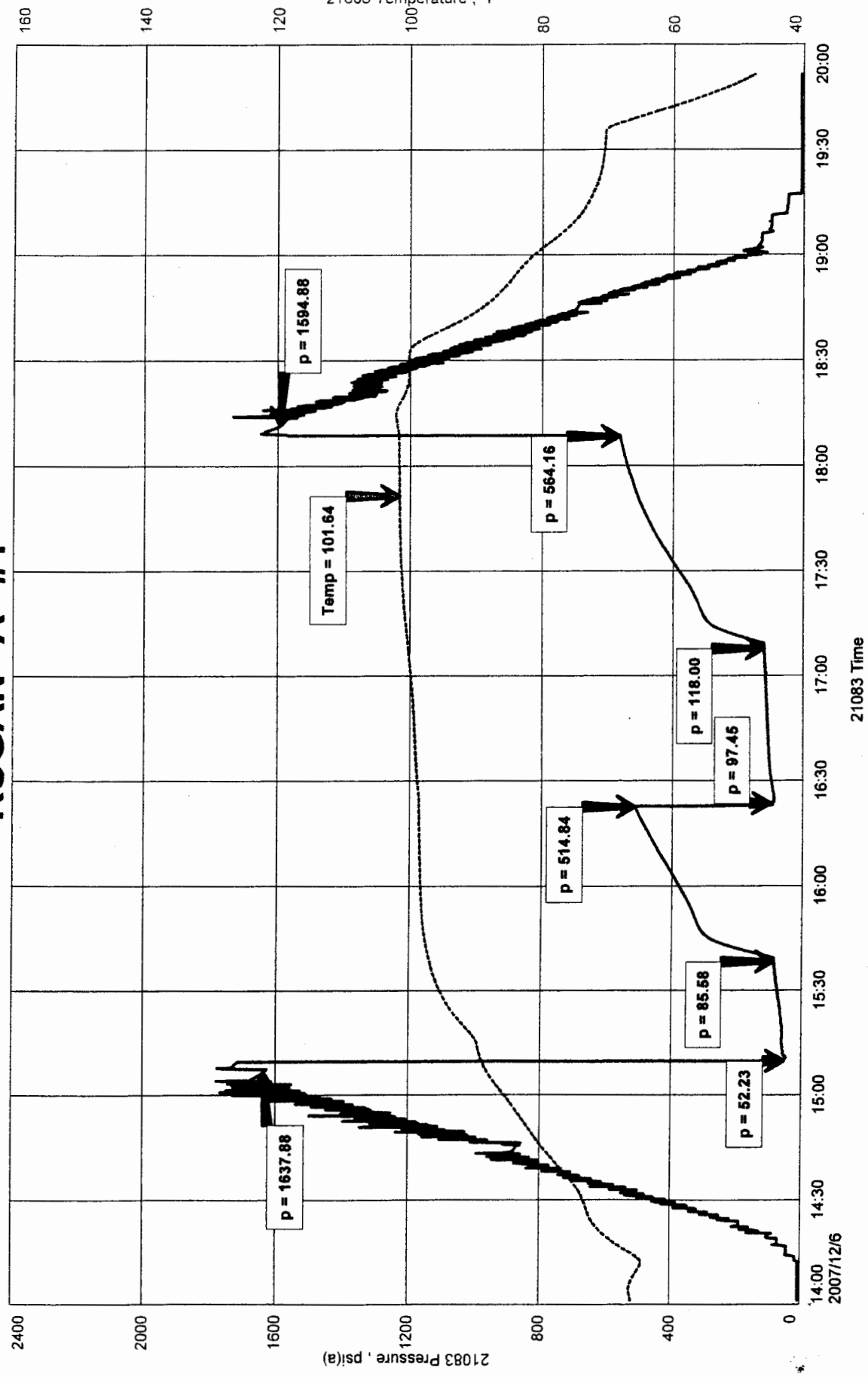
REC: 20' GAS CUT MUD

150' MUD+GAS CUT OIL (20%MUD 25%GAS 45%OILI)

DST #2 3316 TO 3395
Start Test Date: 2007/12/06
Final Test Date: 2007/12/06

Formation: LKC "I"
Job Number: D36

RUGAN "A" #1





DIAMOND TESTING

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STC 21083.D370

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Rugan "A" No. 1
Elevation 1850 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J2173
Date 12-7-07 Sec. 2 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh Austin Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,412 ft. to 3,465 ft. Total Depth 3,465 ft.

Packer Depth 3,407 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,412 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,415 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,462 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 9.0 cc. Drill Pipe Length 3,272 ft. I.D. 3 1/2 in.

Chlorides 8,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 53 ft. 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 decreasing to 1/4 in.

2nd Open: Not run.

Recovered 20 ft. of oil specked mud = .098400 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 8:50 ^{A.M.}/_{P.M.} Time Started Off Bottom 9:20 ^{A.M.}/_{P.M.} Maximum Temperature 93°

Initial Hydrostatic Pressure (A) 1675 P.S.I.

Initial Flow Period Minutes 30 (B) 14 P.S.I. to (C) 26 P.S.I.

Initial Closed In Period Minutes 0 (D) -- P.S.I.

Final Flow Period Minutes 0 (E) -- P.S.I. to (F) -- P.S.I.

Final Closed In Period Minutes 0 (G) -- P.S.I.

Final Hydrostatic Pressure (H) 1663 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: RUGAN "A" #1

Operator: L D DRILLING INC

Location-Downhole: DST #3 3412 TO 3465

Location-Surface: S2/21S/12W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D370

Test Unit: 2

Start Date: 2007/12/07 Start Time: 07:30:00

End Date: 2007/12/07 End Time: 10:50:00

Report Date: 2007/12/07 Prepared By: JOHN RIEDL

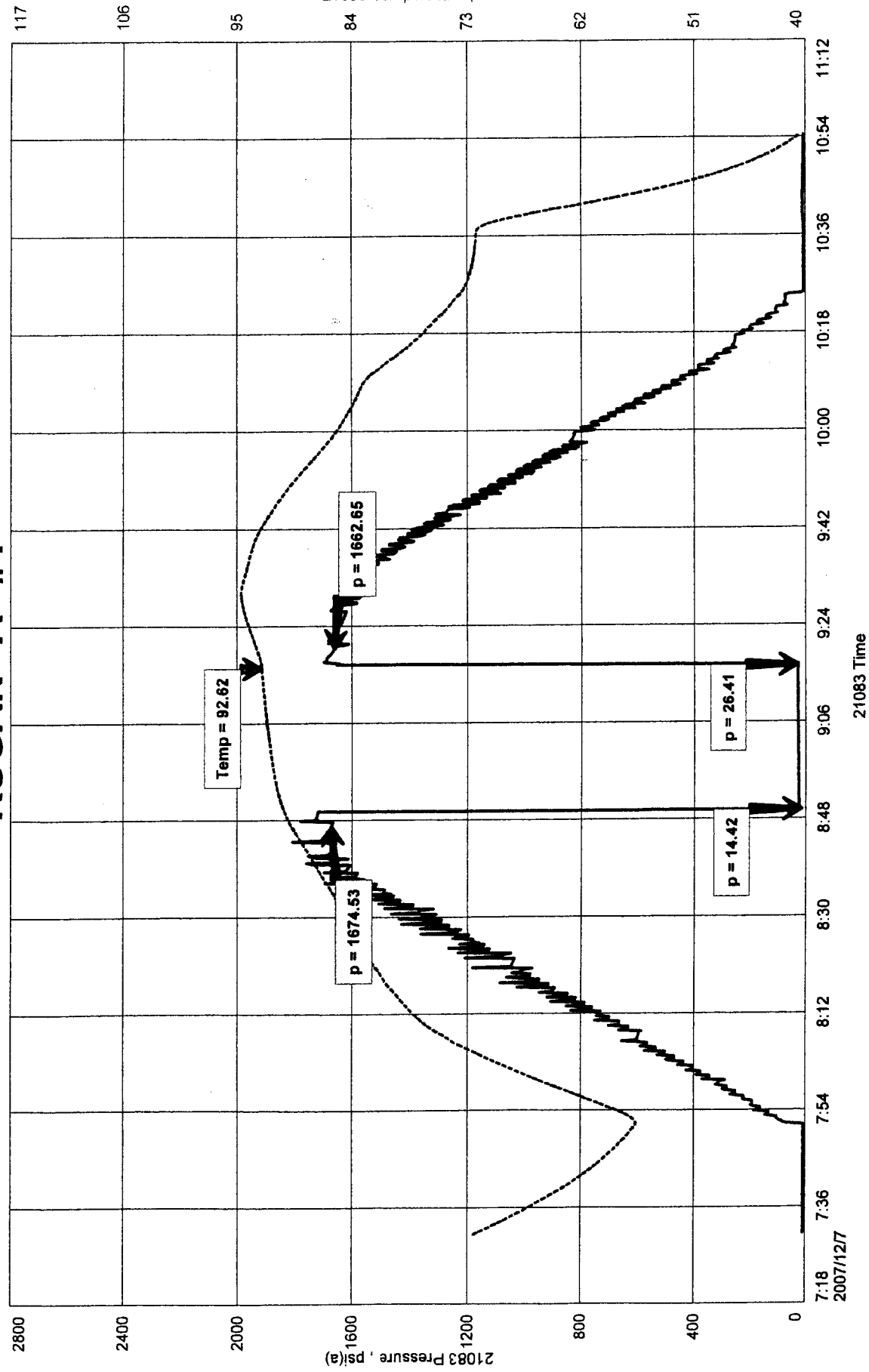
Remarks: Qualified By: JOSH AUSTIN

RECOVERY: 20' OIL SPECKED MUD (ALL IN DRILL COLLARS)

DST #3 3412 TO 3465
Start Test Date: 2007/12/07
Final Test Date: 2007/12/07

Formation: ARBUCKLI
Job Number: D3

RUGAN "A" #1





DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D371

Company L. D. Drilling, Inc. Lease & Well No. Rugan "A" No. 1

Elevation 1850 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J2174

Date 12-8-07 Sec. 2 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh Austin Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 3,413 ft. to 3,473 ft. Total Depth 3,473 ft.

Packer Depth 3,408 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,413 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,416 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,470 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,273 ft. I.D. 3 1/2 in.

Chlorides 8,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 60 ft. 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 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 10 mins. Weak blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 10 mins. Weak blow back during shut-in.

Recovered 120 ft. of gas in pipe

Recovered 500 ft. of gassy oil with some mud on bottom = 5.986400 bbls. (Grind out: 20%-gas; 80%-oil) Gravity: 35 @ 60°

Recovered 500 ft. of TOTAL FLUID = 5.986400 bbls.

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 7:52 ~~XXM.~~ P.M. Time Started Off Bottom 10:52 ~~XXM.~~ P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure (A) 1724 P.S.I.

Initial Flow Period Minutes 30 (B) 34 P.S.I. to (C) 148 P.S.I.

Initial Closed In Period Minutes 45 (D) 1153 P.S.I.

Final Flow Period Minutes 45 (E) 144 P.S.I. to (F) 233 P.S.I.

Final Closed In Period Minutes 60 (G) 1142 P.S.I.

Final Hydrostatic Pressure (H) 1677 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: RUGAN "A" #1

Operator: L D DRILLING INC

Location-Downhole: DST #4 3413 TO 3473

Location-Surface: S2/21S/12W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL

Job Number: D371

Test Unit: 2

Start Date: 2007/12/07

Start Time: 18:40:00

End Date: 2007/12/08

End Time: 01:35:00

Report Date: 2007/12/08

Prepared By: JOHN RIEDL

Remarks:

Qualified By: JOSH AUSTIN

RECOVERY: 120' GAS IN PIPE
500' GASSY OIL WITH SOME MUD CUT

DST #4 3413 TO 3473
Start Test Date: 2007/12/07
Final Test Date: 2007/12/08

Formation: ARBUCKLE
Job Number: D37-

RUGAN "A" #1

