

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

| | | | |
|---------------------|------------------------------------|----------------|---------------------|
| Contact | L.D. DAVIS | Job Number | |
| Well Name | MAXWELL #3-23 | Representative | ROGER D. FRIEDLY |
| Unique Well ID | DST #1 LKC 'A-F' 3,255' - 3,325' | Well Operator | L.D. DRILLING, INC. |
| Surface Location | SEC 23-21S-12W STAFFORD COUNTY, KS | Report Date | 2011/01/26 |
| Well License Number | | Prepared By | ROGER D. FRIEDLY |
| Field | WILDCAT | | |
| Well Type | Vertical | | |

| | | | |
|---------------------|----------------------------------|-----------------|----------|
| Test Type | CONVENTIONAL DRILL-STEM TEST | Start Test Time | 02:50:00 |
| Formation | DST #1 LKC 'A-F' 3,255' - 3,325' | Final Test Time | 09:47:00 |
| Well Fluid Type | 01 Oil | | |
| Start Test Date | 2011/01/26 | | |
| Final Test Date | 2011/01/26 | | |
| Gauge Name | 1150 | | |
| Gauge Serial Number | | | |

Test Results

RECOVERED: 1,870' GAS IN PIPE
20' DM 100% MUD
60' G&OCWM 6% GAS, 4% OIL, 7% WTR, 83% MUD
80' TOTAL FLUID

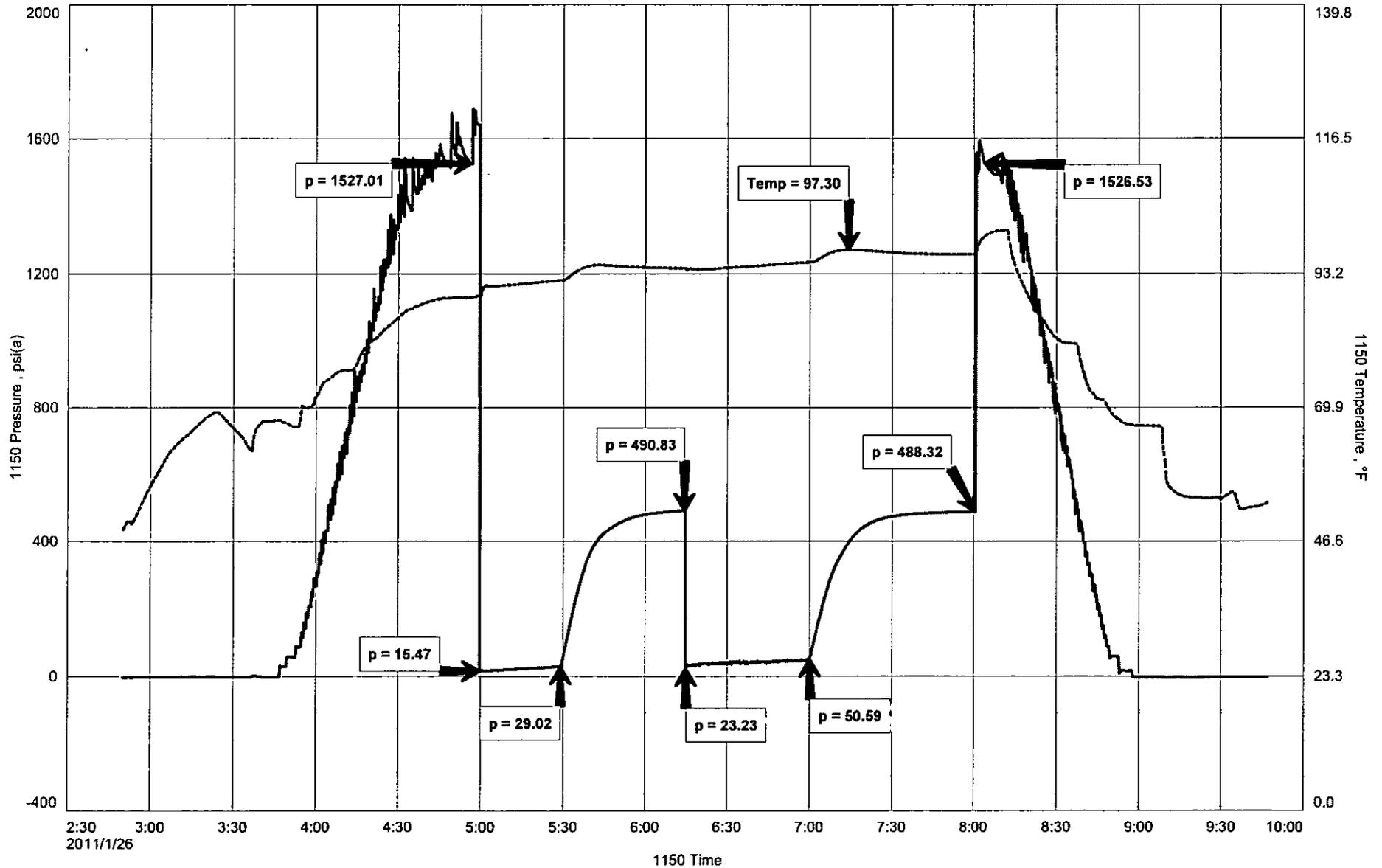
TOOL SAMPLE: 2% GAS, 10% OIL, 20% WTR, 68% MUD

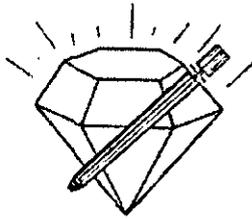
CHLORIDES: 21,500 Ppm
PH: 7.0
RW: .34 @ 48 deg.

L.D. DRILLING, INC.
DST #1 LKC 'A-F' 3,255' - 3,325'
Start Test Date: 2011/01/26
Final Test Date: 2011/01/26

MAXWELL #3-23
Formation: DST #1 LKC 'A-F' 3,255' - 3,325'
Pool: WILDCAT

MAXWELL #3-23





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

CLOCK ON: 02:50
 CLOCK OFF: 09:47

DRILL-STEM TEST TICKET

Company L.D. DRILLING, INC. Lease & Well No. MAXWELL #3-23
 Contractor PETROMARK Charge to L.D. DRILLING, INC.
 Elevation 1,845' KB Formation LKC 'A-F' Effective Pay _____ Ft. Ticket No. _____
 Date 1-26-11 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
 Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 3,255 ft. to 3,325 ft. Total Depth 3,325 ft.
 Packer Depth 3,250 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,255 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,241 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 3,322 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 70 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 8.9 Water Loss 9.9 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 4,000 P.P.M. Drill Pipe Length 3,107 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number SAFTEY JOINT Test Tool Length 28 ft. Tool Size 3 1/2-1F in.
 Did Well Flow? NO Reversed Out NO Anchor Length 70 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 3 1/2" DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 2" BLOW INCREASING TO BOTTOM OF BUCKET IN 2 MIN (WSbb)
 2nd Open: STRONG BLOW OFF BOTTOM OF BUCKET IN 1/2 MIN (WSbb)

Recovered 1,870 ft. of GAS IN PIPE
 Recovered 20 ft. of DM 100% MUD
 Recovered 60 ft. of G&OCWM 6% GAS, 4% OIL, 7% WTR, 83% MUD

| | | |
|---|------------------------------|---------------|
| Recovered <u>80</u> ft. of <u>TOTAL FLUID</u> | <u>CHLORIDES: 21,500 Ppm</u> | Price Job |
| Recovered _____ ft. of _____ | <u>PH: 7.0</u> | Other Charges |
| Remarks: _____ | <u>RW: .34 @ 48 deg.</u> | Insurance |
| <u>DIESEL IN BUCKET</u> | | |
| <u>TOOL SAMPLE: 2% GAS, 10% OIL, 20% WTR, 68% MUD</u> | | Total |

Time Set Packer(s) 5:00 A.M. A.M. P.M. Time Started Off Bottom 8:00 A.M. A.M. P.M. Maximum Temperature 97
 Initial Hydrostatic Pressure (A) 1,527 P.S.I.
 Initial Flow Period Minutes 30 (B) 15 P.S.I. to (C) 29 P.S.I.
 Initial Closed In Period Minutes 45 (D) 491 P.S.I.
 Final Flow Period Minutes 45 (E) 23 P.S.I. to (F) 51 P.S.I.
 Final Closed In Period Minutes 60 (G) 488 P.S.I.
 Final Hydrostatic Pressure (H) 1,527 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

| | | | |
|---------------------|------------------------------------|----------------|---------------------|
| Contact | L.D. DAVIS | Job Number | |
| Well Name | MAXWELL #3-23 | Representative | ROGER D. FRIEDLY |
| Unique Well ID | DST #2 CONG. 3,453' - 3,520' | Well Operator | L.D. DRILLING, INC. |
| Surface Location | SEC 23-21S-12W STAFFORD COUNTY, KS | Report Date | 2011/01/27 |
| Well License Number | | Prepared By | ROGER D. FRIEDLY |
| Field | WILDCAT | | |
| Well Type | Vertical | | |

| | | | |
|---------------------|------------------------------|-----------------|----------|
| Test Type | CONVENTIONAL DRILL-STEM TEST | | |
| Formation | DST #2 CONG. 3,453' - 3,520' | | |
| Well Fluid Type | 01 Oil | Start Test Time | 23:23:00 |
| | | Final Test Time | 04:57:00 |
| Start Test Date | 2011/01/26 | | |
| Final Test Date | 2011/01/27 | | |
| Gauge Name | 1150 | | |
| Gauge Serial Number | | | |

Test Results

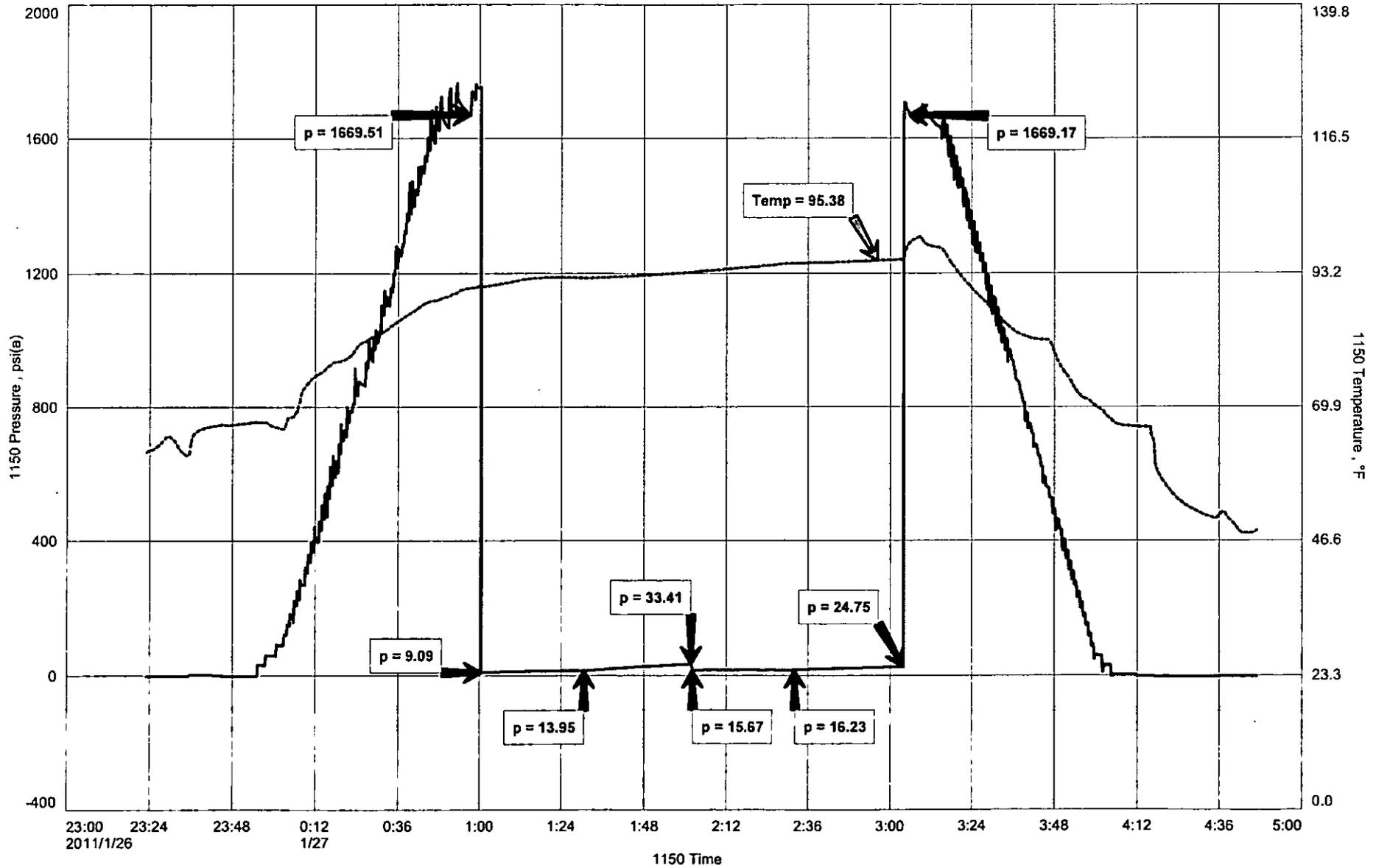
RECOVERED: 20' DM 100% MUD - FEW OIL SPECKS

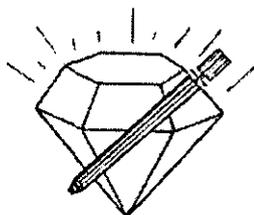
TOOL SAMPLE: 100% DM - FEW OIL SPECKS

L.D. DRILLING, INC.
DST #2 CONG. 3,453' - 3,520'
Start Test Date: 2011/01/26
Final Test Date: 2011/01/27

MAXWELL #3-23
Formation: DST #2 CONG. 3,453' - 3,520'
Pool: WILDCAT

MAXWELL #3-23





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

CLOCK ON: 23:23(1.26)

CLOCK OFF: 04:57(1.27)

DRILL - STEM TEST TICKET

Company L.D. DRILLING, INC. Lease & Well No. MAXWELL #3-23
Contractor PETROMARK Charge to L.D. DRILLING, INC.
Elevation 1,845' KB Formation CONG. Effective Pay _____ Ft. Ticket No. _____
Date 1-27-11 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 3,453 ft. to 3,520 ft. Total Depth 3,520 ft.
Packer Depth 3,448 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,453 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,439 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,517 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 68 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 8,000 P.P.M. Drill Pipe Length 3,305 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number SAFTEY JOINT Test Tool Length 28 ft. Tool Size 3 1/2-1F in.
Did Well Flow? NO Reversed Out NO Anchor Length 67 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/8" BLOW INCREASING TO 1 1/2: (NObb)
2nd Open: WEAK 1/8" BLOW INCREASING TO 1" (NObb)

Recovered 20 ft. of DM 100% MUD - FEW OIL SPECKS

Recovered _____ ft. of _____

Remarks:

DIESEL IN BUCKET

TOOL SAMPLE: 100% DM - FEW OIL SPECKS

| |
|---------------|
| Price Job |
| Other Charges |
| Insurance |
| Total |

Time Set Packer(s) 1:10 A.M. A.M. P.M. Time Started Off Bottom 3:10 A.M. A.M. P.M. Maximum Temperature 95
Initial Hydrostatic Pressure (A) 1,670 P.S.I.
Initial Flow Period Minutes 30 (B) 9 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period Minutes 30 (D) 33 P.S.I.
Final Flow Period Minutes 30 (E) 16 P.S.I. to (F) 16 P.S.I.
Final Closed In Period Minutes 30 (G) 25 P.S.I.
Final Hydrostatic Pressure (H) 1,669 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

| | | | |
|---------------------|------------------------------------|----------------|---------------------|
| Contact | L.D. DAVIS | Job Number | |
| Well Name | MAXWELL #3-23 | Representative | ROGER D. FRIEDLY |
| Unique Well ID | DST #3 ARBUCKLE 3,508' - 3,592' | Well Operator | L.D. DRILLING, INC. |
| Surface Location | SEC 23-21S-12W STAFFORD COUNTY, KS | Report Date | 2011/01/27 |
| Well License Number | | Prepared By | ROGER D. FRIEDLY |
| Field | WILDCAT | | |
| Well Type | Vertical | | |

| | | | |
|---------------------|---------------------------------|-----------------|----------|
| Test Type | CONVENTIONAL DRILL-STEM TEST | Start Test Time | 12:30:00 |
| Formation | DST #3 ARBUCKLE 3,508' - 3,592' | Final Test Time | 17:57:00 |
| Well Fluid Type | 01 Oil | | |
| Start Test Date | 2011/01/27 | | |
| Final Test Date | 2011/01/17 | | |
| Gauge Name | 1150 | | |
| Gauge Serial Number | | | |

Test Results

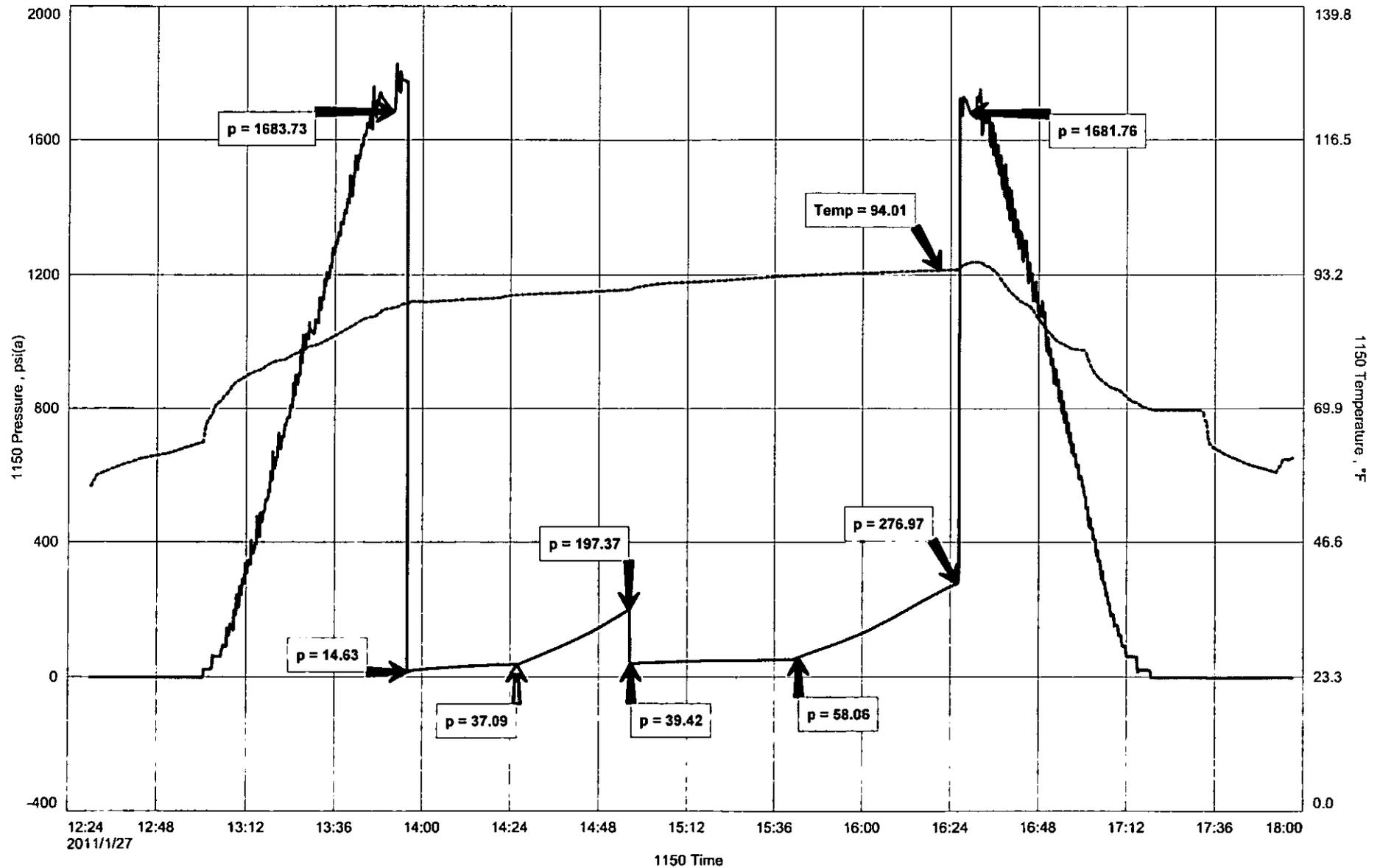
RECOVERED: 120' GAS IN PIPE
10' CO 35.6 GRAVITY @ 60 deg.
80' OCM 12% OIL, 88% MUD
90' TOTAL FLUID

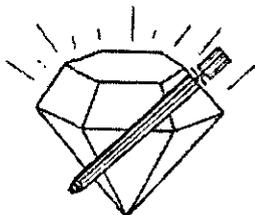
TOOL SAMPLE: 12% OIL, 88% MUD

L.D. DRILLING, INC.
DST #3 ARBUCKLE 3,508' - 3,592'
Start Test Date: 2011/01/27
Final Test Date: 2011/01/17

MAXWELL #3-23
Formation: DST #3 ARBUCKLE 3,508' - 3,592'
Pool: WILDCAT

MAXWELL #3-23





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

CLOCK ON: 12:30

CLOCK OFF: 17:57

DRILL-STEM TEST TICKET

Company L.D. DRILLING, INC. Lease & Well No. MAXWELL #3-23
Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1,845' KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. _____
Date 1-27-11 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 3 Interval Tested from 3,508 ft. to 3,592 ft. Total Depth 3,592 ft.
Packer Depth 3,503 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,508 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,494 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,589 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 8,000 P.P.M. Drill Pipe Length 3,360 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number SAFTEY JOINT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 84 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 63 DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW INCREASING TO 4 1/4" (NObb)
2nd Open: WEAK 1/2" BLOW INCREASING TO 9" (W 1/4"bb)

Recovered 120 ft. of GAS IN PIPE
Recovered 10 ft. of CLEAN OIL 35.6 GRAVITY @ 60 deg
Recovered 80 ft. of OCM 12% OIL, 88% MUD
Recovered 90 ft. of TOTAL FLUID

| | |
|--------------------------------------|---------------|
| Recovered _____ ft. of _____ | Price Job |
| Remarks: _____ | Other Charges |
| <u>DIESEL IN BUCKET</u> | Insurance |
| <u>TOOL SAMPLE: 12% OIL, 88% MUD</u> | Total |

Time Set Packer(s) 1:56 P.M. A.M. P.M. Time Started Off Bottom 4:26 P.M. A.M. P.M. Maximum Temperature 95
Initial Hydrostatic Pressure (A) 1,684 P.S.I.
Initial Flow Period Minutes 30 (B) 15 P.S.I. to (C) 37 P.S.I.
Initial Closed In Period Minutes 30 (D) 197 P.S.I.
Final Flow Period Minutes 45 (E) 39 P.S.I. to (F) 58 P.S.I.
Final Closed In Period Minutes 45 (G) 277 P.S.I.
Final Hydrostatic Pressure (H) 1,682 P.S.I.

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Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

| | | | |
|---------------------|------------------------------------|----------------|---------------------|
| Contact | L.D. DAVIS | Job Number | |
| Well Name | MAXWELL #3-23 | Representative | ROGER D. FRIEDLY |
| Unique Well ID | DST #4 ARBUCKLE 3,589' - 3,608' | Well Operator | L.D. DRILLING, INC. |
| Surface Location | SEC 23-21S-12W STAFFORD COUNTY, KS | Report Date | 2011/01/28 |
| Well License Number | | Prepared By | ROGER D. FRIEDLY |
| Field | WILDCAT | | |
| Well Type | Vertical | | |

| | | | |
|---------------------|---------------------------------|-----------------|----------|
| Test Type | CONVENTIONAL DRILL-STEM TEST | | |
| Formation | DST #4 ARBUCKLE 3,589' - 3,608' | | |
| Well Fluid Type | 01 Oil | Start Test Time | 22:50:00 |
| | | Final Test Time | 05:34:00 |
| Start Test Date | 2011/01/27 | | |
| Final Test Date | 2011/01/28 | | |
| Gauge Name | 1150 | | |
| Gauge Serial Number | | | |

Test Results

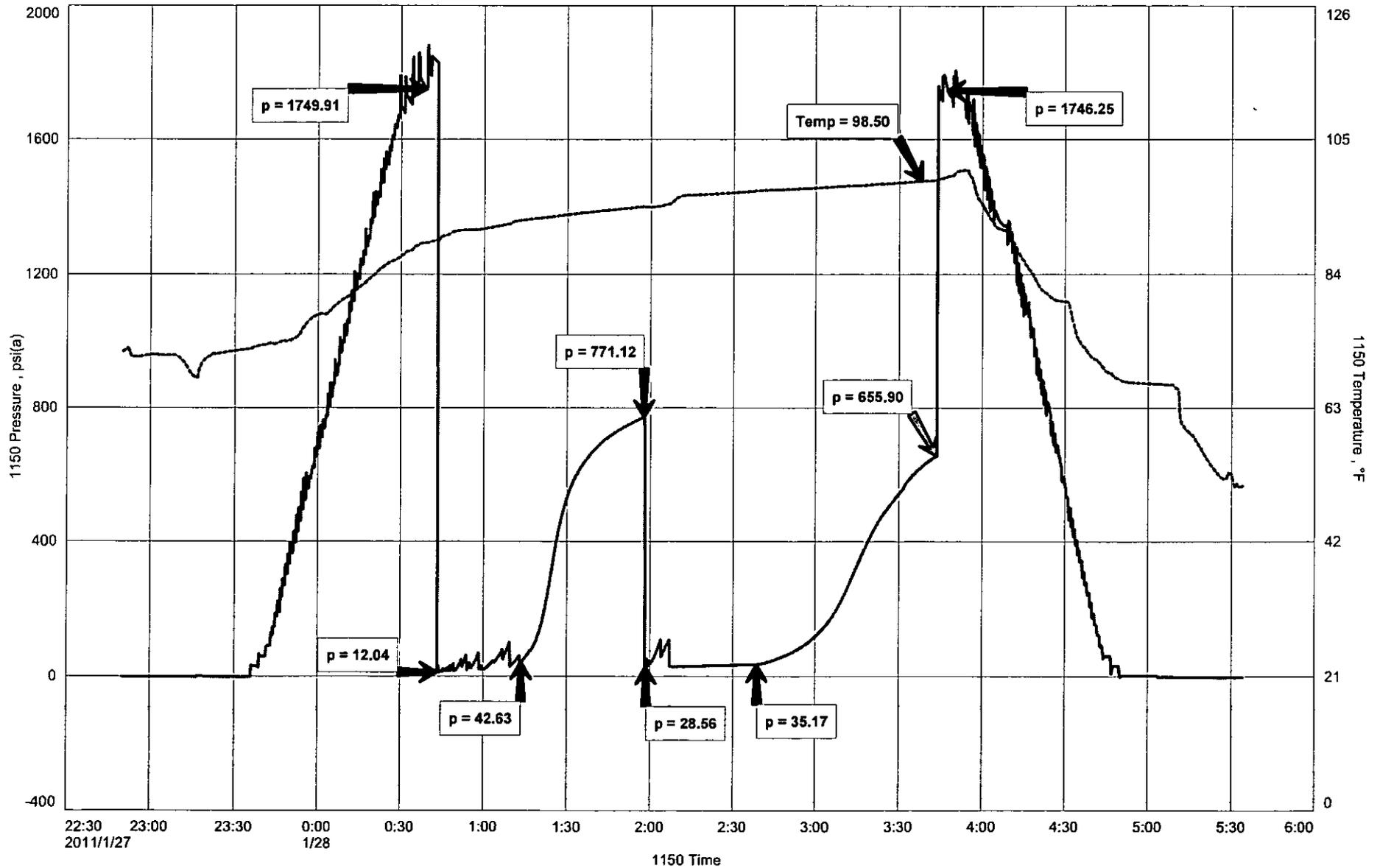
RECOVERED: 20' GAS IN PIPE
30' HOCM 32% OIL, 68% MUD
30' DM GOOD OIL SPECKS
60' TOTAL FLUID

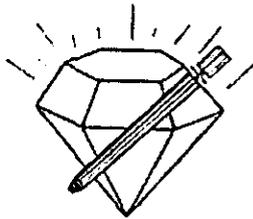
TOOL SAMPLE: 8% OIL, 92% MUD

L.D. DRILLING, INC.
DST #4 ARBUCKLE 3,589' - 3,608'
Start Test Date: 2011/01/27
Final Test Date: 2011/01/28

MAXWELL #3-23
Formation: DST #4 ARBUCKLE 3,589' - 3,608'
Pool: WILDCAT

MAXWELL #3-23





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

CLOCK ON: 22:50(1.27)
 CLOCK OFF: 06:34(1.28)

DRILL-STEM TEST TICKET

Company L.D. DRILLING, INC. Lease & Well No. MAXWELL #3-23
 Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.
 Elevation 1,845' KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. _____
 Date 1-28-11 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
 Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 Interval Tested from 3,589 ft. to 3,608 ft. Total Depth 3,608 ft.
 Packer Depth 3,584 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,589 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,575 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 3,605 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.5 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 8,000 P.P.M. Drill Pipe Length 3,441 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number SAFTEY JOINT Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 19 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2^{XH} in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW INCREASING TO 3" (WSbb)
 2nd Open: WEAK 1/2" BLOW INCREASING TO 3" (WSbb)

Recovered 20 ft. of GAS IN PIPE
 Recovered 30 ft. of HOCM 32% OIL, 68% MUD
 Recovered 30 ft. of DM - GOOD OIL SPECKS
 Recovered 60 ft. of TOTAL FLUID

| | |
|-------------------------------------|---------------|
| Recovered _____ ft. of _____ | Price Job |
| Remarks: _____ | Other Charges |
| <u>DIESEL IN BUCKET</u> | Insurance |
| <u>TOOL SAMPLE: 8% OIL, 92% MUD</u> | Total |

Time Set Packer(s) 12:43 A.M. A.M. P.M. Time Started Off Bottom 3:43 A.M. A.M. P.M. Maximum Temperature 99
 Initial Hydrostatic Pressure (A) 1,750 P.S.I.
 Initial Flow Period Minutes 30 (B) 12 P.S.I. to (C) 43 PLUGGING P.S.I.
 Initial Closed In Period Minutes 45 (D) 771 P.S.I.
 Final Flow Period Minutes 45 (E) 29 P.S.I. to (F) 35 P.S.I.
 Final Closed In Period Minutes 60 (G) 656 P.S.I.
 Final Hydrostatic Pressure (H) 1746 P.S.I.

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