

DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name KOLLMAN 24D #1
Unique Well ID DST #1, LANSING "C", 4085-4110
Surface Location SEC 24-17S-35W, WICHITA CO. KS.
Field BEAVER CLIFF SOUTHWEST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1 LANSING "C", 4085-4110
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/03/22
Prepared By TIM VENTERS
Qualified By TERRY MCLEOD

Start Test Date 2013/03/21
Final Test Date 2013/03/22

Start Test Time 20:06:00
Final Test Time 03:23:00

Test Recovery:

RECOVERED: 70' WCMW/TR. O, TRACE OIL, 34% WATER, 66% MUD
65' SMCWW/TR. O, TRACE OIL, 84% WATER, 16% MUD
135' TOTAL FLUID

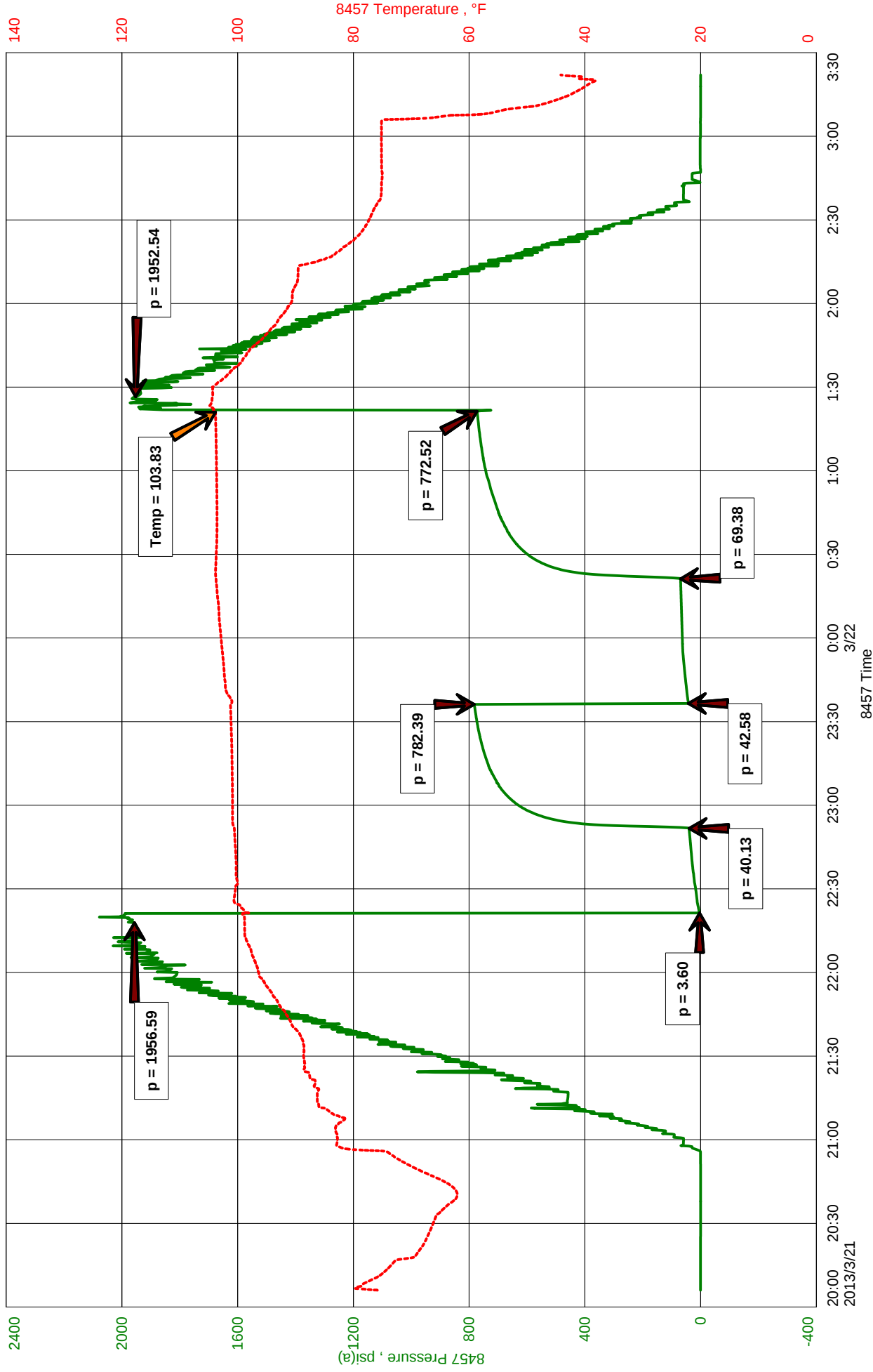
TOOL SAMPLE: TRACE OIL, 75% WATER, 25% MUD

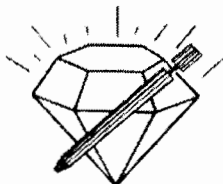
CHLORIDES: 40,000 ppm
PH: 6.5
RW: .22 @ 82 deg.

RITCHIE EXPLORATION, INC.
DST #1, LANSING "C", 4085-4110
Start Test Date: 2013/03/21
Final Test Date: 2013/03/22

KOLLMAN 24D #1
Formation: DST #1 LANSING "C", 4085-4110
Pool: BEAVER CLIFF SOUTHWEST
Job Number: T175

KOLLMAN 24D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: KOLLMAN24D1DST1

TIME ON: 20:06 3-21-13

TIME OFF: 03:23 3-22-13

Company RITCHIE EXPLORATION, INC. Lease & Well No. KOLLMAN 24D #1
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
Elevation 3164 KB Formation LANSING "C" Effective Pay _____ Ft. Ticket No. T175
Date 3-21-13 Sec. 24 Twp. 13 S Range 35 W County WICHITA State KANSAS
Test Approved By TERRY MCLEOD Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4085 ft. to 4110 ft. Total Depth 4110 ft.

Packer Depth 4080 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4085 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4066 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4107 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 9.0 Water Loss 4.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 7,000 P.P.M. Drill Pipe Length 3928 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 25 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 SURFACE BLOW, BUILDING TO 2 INCHES. (NOBB)

2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 2 INCHES (NOBB)

Recovered 70 ft. of WCMW/TR O, TRACE OIL, 34% WATER, 66% MUD

Recovered 65 ft. of SMCWW/TR. O, TRACE OIL, 84% WATER, 16% MUD

Recovered 135 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of CHLORIDES: 40,000 ppm

Price Job

Recovered _____ ft. of PH: 6.5

Other Charges

Remarks: RW: .22 @ 82 deg.

Insurance

TOOL SAMPLE: TRACE OIL, 75% WATER, 25% MUD

Total

Time Set Packer(s) 10:21 PM A.M. P.M. Time Started Off Bottom 1:21 AM A.M. P.M. Maximum Temperature 104 deg.

Initial Hydrostatic Pressure..... (A) 1957 P.S.I.

Initial Flow Period..... Minutes 30 (B) 4 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 782 P.S.I.

Final Flow Period..... Minutes 45 (E) 43 P.S.I. to (F) 69 P.S.I.

Final Closed In Period..... Minutes 60 (G) 773 P.S.I.

Final Hydrostatic Pressure..... (H) 1953 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 RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name KOLLMAN 24D #1
Unique Well ID DST #2, LANISING "D", 4110-4140
Surface Location SEC 24-17S-35W, WICHITA CO. KS.
Field BEAVER CLIFF SOUTHWEST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, LANSING "D", 4110-4140
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/03/22
Prepared By TIM VENTERS
Qualified By TERRY MCLEOD

Start Test Date 2013/03/22
Final Test Date 2013/03/22

Start Test Time 10:49:00
Final Test Time 17:37:00

Test Recovery:

RECOVERED: 410' MCW, 70% WATER, 30% MUD
570' SMCW, 97% WATER, 3% MUD
980' TOTAL FLUID

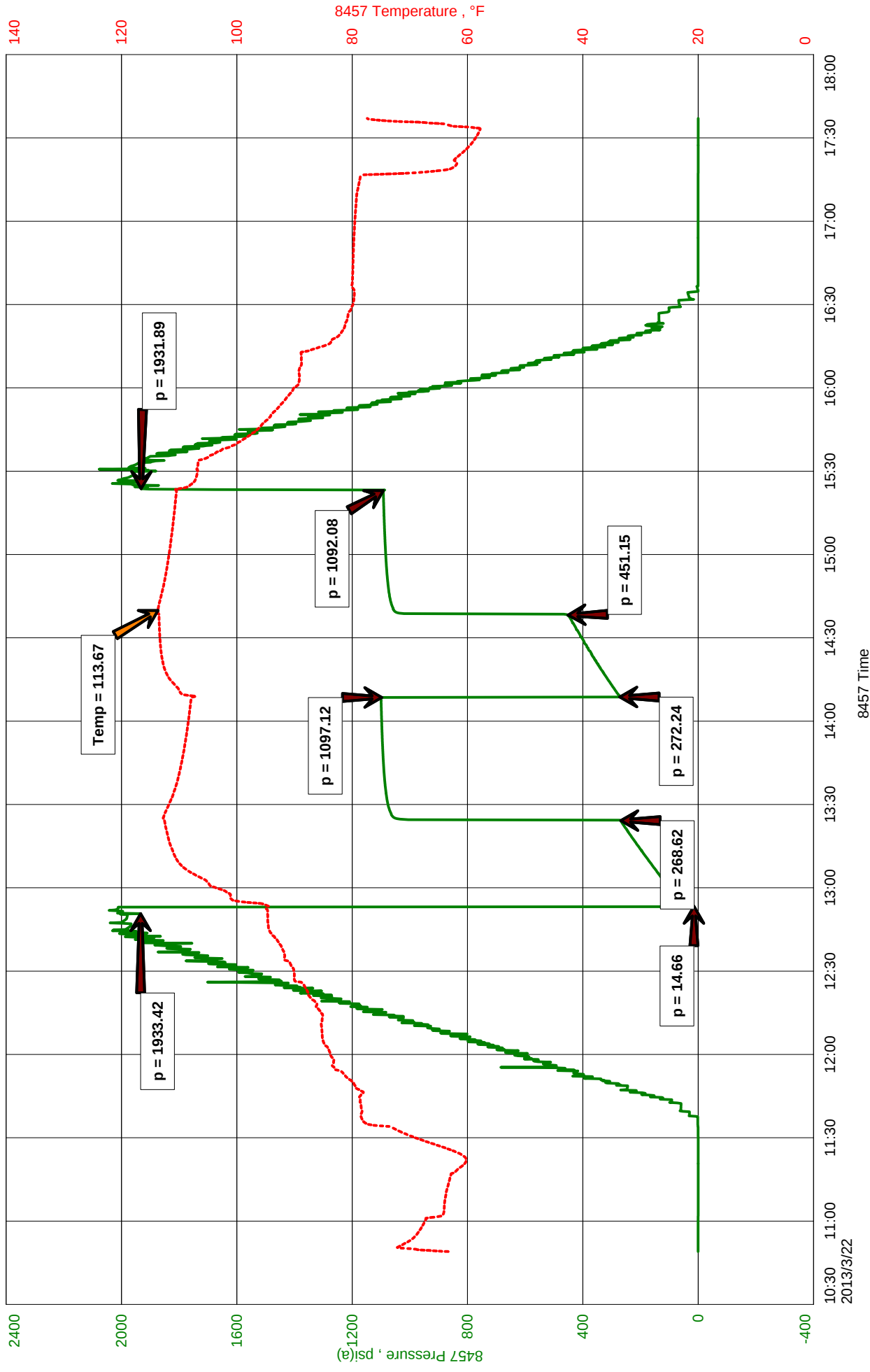
TOOL SAMPLE: TRACE OIL, 94% WATER, 6% MUD

CHLORIDES: 61,000 ppm
PH: 6.5
RW: .19 @ 68 deg.

RITCHIE EXPLORATION, INC.
DST #2, LANISING "D", 4110-4140
Start Test Date: 2013/03/22
Final Test Date: 2013/03/22

KOLLMAN 24D #1
Formation: DST #2, LANISING "D", 4110-4140
Pool: BEAVER CLIFF SOUTHWEST
Job Number: T176

KOLLMAN 24D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: KOLLMAN24D1DST2

TIME ON: 10:49
TIME OFF: 17:37

Company RITCHIE EXPLORATION, INC. Lease & Well No. KOLLMAN 24D #1
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
Elevation 3164 KB Formation LANSING "D" Effective Pay _____ Ft. Ticket No. T176
Date 3-22-13 Sec. 24 Twp. 13 S Range 35 W County WICHITA State KANSAS
Test Approved By TERRY MCLEOD Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4110 ft. to 4140 ft. Total Depth 4140 ft.
Packer Depth 4105 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4110 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4096 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4137 ft. Recorder Number 11030 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 53 Drill Collar Length 124 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3958 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 30 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 INCH BLOW, BUILDING, REACHING BOB 7 1/2 MINUTES. (NOBB)
2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 8 1/2 MINUTES. (NOBB)

Recovered 410 ft. of MCW, 70% WATER, 30% MUD

Recovered 570 ft. of SMCW, 97% WATER, 3% MUD

Recovered 980 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of CHLORIDES: 61,000 ppm

Price Job

Recovered _____ ft. of PH: 6.5

Other Charges

Remarks: RW: .19 @ 68 deg.

Insurance

TOOL SAMPLE: TRACE OIL, 94% WATER, 6% MUD

Total

Time Set Packer(s) 12:53 PM A.M. P.M. Time Started Off Bottom 3:23 PM A.M. P.M. Maximum Temperature 114 deg.

Initial Hydrostatic Pressure _____ (A) 1933 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 15 P.S.I. to (C) 269 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1097 P.S.I.

Final Flow Period _____ Minutes 30 (E) 272 P.S.I. to (F) 451 P.S.I.

Final Closed In Period _____ Minutes 45 (G) 1092 P.S.I.

Final Hydrostatic Pressure _____ (H) 1932 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name KOLLMAN 24D #1
Unique Well ID DST #3, LKC "E&F", 4146-4190
Surface Location SEC 24-17S-35W, WICHITA CO. KS.
Field BEAVER CLIFF SOUTHWEST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, LKC "E&F", 4146-4190
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/03/23
Prepared By TIM VENTERS
Qualified By TERRY MCLEOD

Start Test Date 2013/03/23
Final Test Date 2013/03/23

Start Test Time 00:17:00
Final Test Time 07:51:00

Test Recovery:

RECOVERED: 170' WCM, 25% WATER, 75% MUD

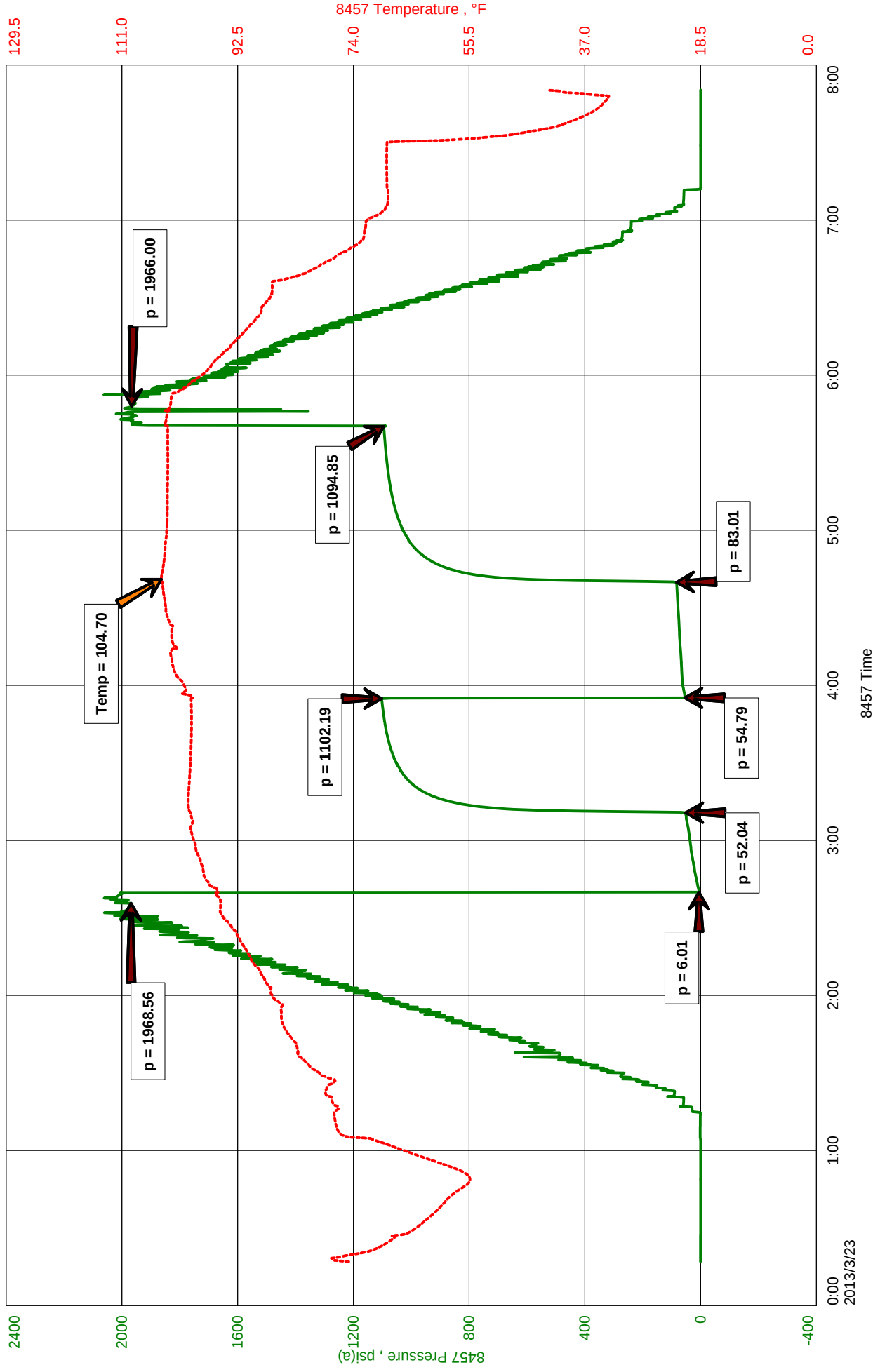
TOOL SAMPLE: 33% WATER, 67% MUD

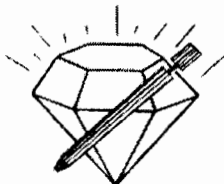
CHLORIDES: 33,000 ppm
PH: 7.0
RW: .27 @ 76 deg.

RITCHIE EXPLORATION, INC.
DST #3, LKC "E&F", 4146-4190
Start Test Date: 2013/03/23
Final Test Date: 2013/03/23

KOLLMAN 24D #1
Formation: DST #3, LKC "E&F", 4146-4190
Pool: BEAVER CLIFF SOUTHWEST
Job Number: T177

KOLLMAN 24D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: KOLLMAN24D1DST3

TIME ON: 00:17
TIME OFF: 07:51

Company RITCHIE EXPLORATION, INC. Lease & Well No. KOLLMAN 24D #1
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
Elevation 3164 KB Formation LKC "E&F" Effective Pay Ft. Ticket No. T177
Date 3-23-13 Sec. 24 Twp. 13 S Range 35 W County WICHITA State KANSAS
Test Approved By TERRY MCLEOD Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 4146 ft. to 4190 ft. Total Depth 4190 ft.
Packer Depth 4141 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Packer Depth 4146 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4132 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4187 ft. Recorder Number 11030 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.
Mud Type CHEMICAL Viscosity 53 Drill Collar Length 124 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3994 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 44 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 SURFACE BLOW, BUILDING TO 3 INCHES. (NOBB)
2nd Open: WEAK SURFACE BLOW, BUILDING TO 4 INCHES. (NOBB)

Recovered 170 ft. of WCM, 25% WATER, 75% MUD

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered <u> </u> ft. of <u> </u>	CHLORIDES: 33,000 ppm	Price Job
Recovered <u> </u> ft. of <u> </u>	PH: 7.0	Other Charges
Remarks: <u> </u>	RW: .27 @ 76 deg.	Insurance

TOOL SAMPLE: 33% WATER, 67% MUD

Time Set Packer(s) <u>2:39 AM</u> A.M. P.M.	Time Started Off Bottom <u>5:39 AM</u> A.M. P.M.	Maximum Temperature <u>105</u> deg.
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Initial Hydrostatic Pressure (A) 1969 P.S.I.
Initial Flow Period Minutes 30 (B) 6 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period Minutes 45 (D) 1102 P.S.I.
Final Flow Period Minutes 45 (E) 55 P.S.I. to (F) 52 P.S.I.
Final Closed In Period Minutes 60 (G) 1095 P.S.I.
Final Hydrostatic Pressure (H) 1966 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name KOLLMAN 24D #1
Unique Well ID DST #4, LKC "H&I", 4239-4306
Surface Location SEC 24-17S-35W, WICHITA CO. KS.
Field BEAVER CLIFF SOUTHWEST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #4, LKC "H&I", 4239-4306
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/03/24
Prepared By TIM VENTERS
Qualified By TERRY MCLEOD

Start Test Date 2013/03/23
Final Test Date 2013/03/24

Start Test Time 17:53:00
Final Test Time 01:28:00

Test Recovery:

RECOVERED: 10' SO,WCM, 4% OIL, 38% WATER, 58% MUD
190' WCMW/TR. O, TRACE OIL, 21% WATER, 79% MUD
200' TOTAL FLUID

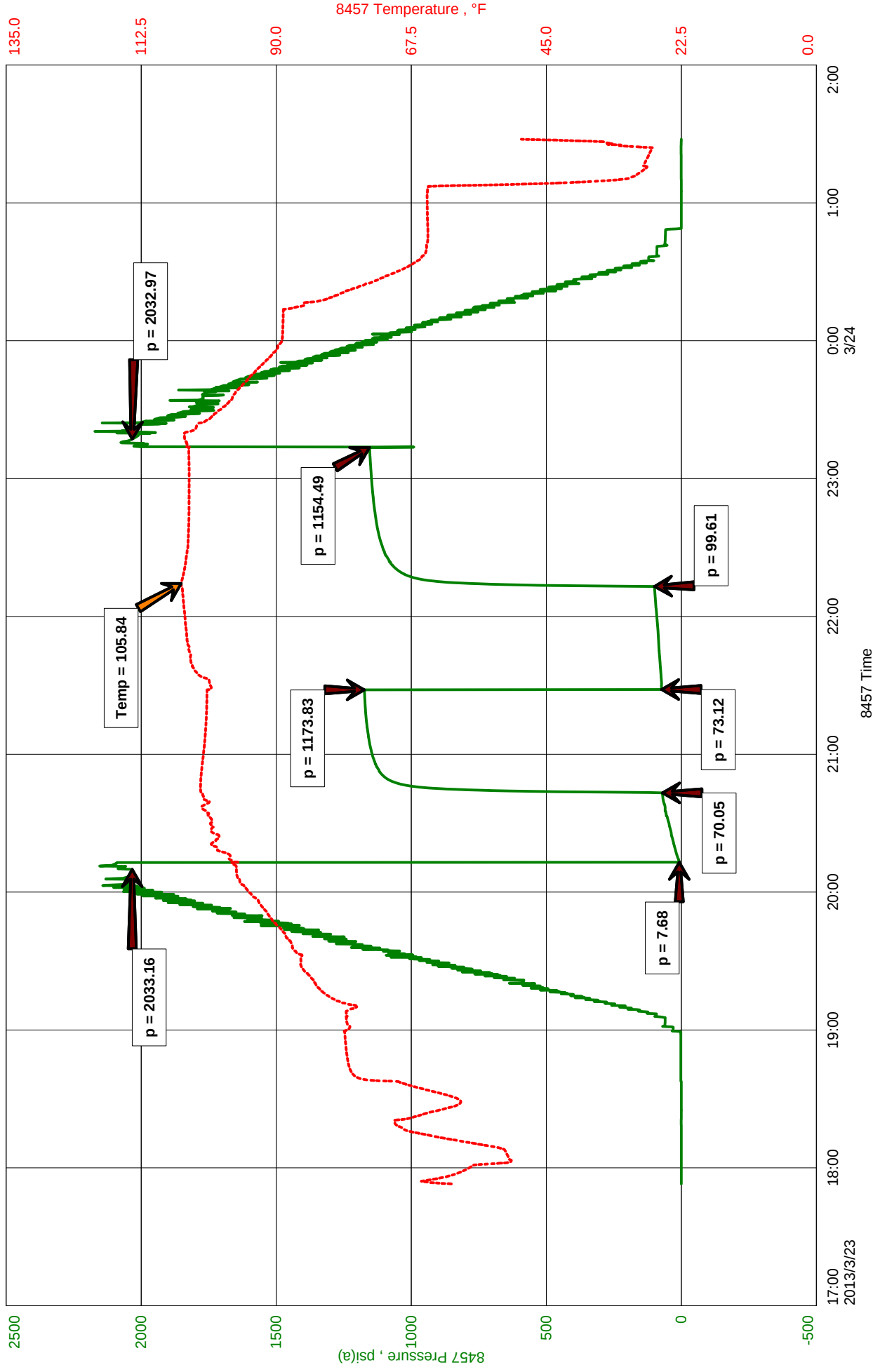
TOOL SAMPLE: TRACE OIL, 24% WATER, 76% MUD

CHLORIDES: 27,000 ppm
PH: 6.5
RW: .38 @ 72 deg.

RITCHIE EXPLORATION, INC.
DST #4, LKC "H&I", 4239-4306
Start Test Date: 2013/03/23
Final Test Date: 2013/03/24

KOLLMAN 24D #1
Formation: DST #4, LKC "H&I", 4239-4306
Pool: BEAVER CLIFF SOUTHWEST
Job Number: T178

KOLLMAN 24D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: KOLLMAN24D1DST4

TIME ON: 17:53 3-23-13

TIME OFF: 01:28 3-24-13

Company RITCHIE EXPLORATION, INC. Lease & Well No. KOLLMAN 24D #1
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
Elevation 3164 KB Formation LKC "H&I" Effective Pay Ft. Ticket No. T178
Date 3-23-13 Sec. 24 Twp. 13 S Range 35 W County WICHITA State KANSAS
Test Approved By TERRY MCLEOD Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4239 ft. to 4306 ft. Total Depth 4306 ft.

Packer Depth 4234 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 4239 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4225 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4303 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 9.0 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 6,000 P.P.M. Drill Pipe Length 4087 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 35 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 SURFACE BLOW, BUILDING TO 4 1/2 INCHES. (NOBB)

2nd Open: WEAK SURFACE BLOW, BUILDING TO 5 INCHES. (NOBB)

Recovered 10 ft. of SO, WCM, 4% OIL, 38% WATER, 58% MUD

Recovered 190 ft. of WCMW/TR. O, TRACE OIL, 21% WATER, 79% MUD

Recovered 200 ft. of TOTAL FLUID

Recovered ft. of

Recovered ft. of CHLORIDES: 27,000 ppm

Price Job

Recovered ft. of PH: 6.5

Other Charges

Remarks: RW: .38 @ 72 deg.

Insurance

TOOL SAMPLE: TRACE OIL, 24% WATER, 76% MUD

Total

Time Set Packer(s) 8:12 PM A.M. P.M. Time Started Off Bottom 11:12 PM A.M. P.M. Maximum Temperature 106 deg.

Initial Hydrostatic Pressure (A) 2033 P.S.I.

Initial Flow Period Minutes 30 (B) 8 P.S.I. to (C) 70 P.S.I.

Initial Closed In Period Minutes 45 (D) 1174 P.S.I.

Final Flow Period Minutes 45 (E) 73 P.S.I. to (F) 100 P.S.I.

Final Closed In Period Minutes 60 (G) 1154 P.S.I.

Final Hydrostatic Pressure (H) 2033 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name KOLLMAN 24D #1
Unique Well ID DST #5, LKC "K", 4351-4390
Surface Location SEC 24-17S-35W, WICHITA CO. KS.
Field BEAVER CLIFF SOUTHWEST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #5, LKC "K", 4351-4390
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION
Report Date 2013/03/24
Prepared By TIM VENTERS
Qualified By TERRY MCLEOD

Start Test Date 2013/03/24
Final Test Date 2013/03/24

Start Test Time 10:53:00
Final Test Time 18:03:00

Test Recovery:

RECOVERED: 20' CLEAN OIL, GRAVITY < 9
210' HW,SMCO, 53% OIL, 34% WATER, 13% MUD
255' SO&MCW, 5% OIL, 76% WATER, 19% MUD
315' VSMCW W/TR. O, TRACE OIL, 97% WATER, 3% MUD
60' MCW W/SP.O, SPOTTY OIL, 62% WATER, 38% MUD
860' TOTAL FLUID

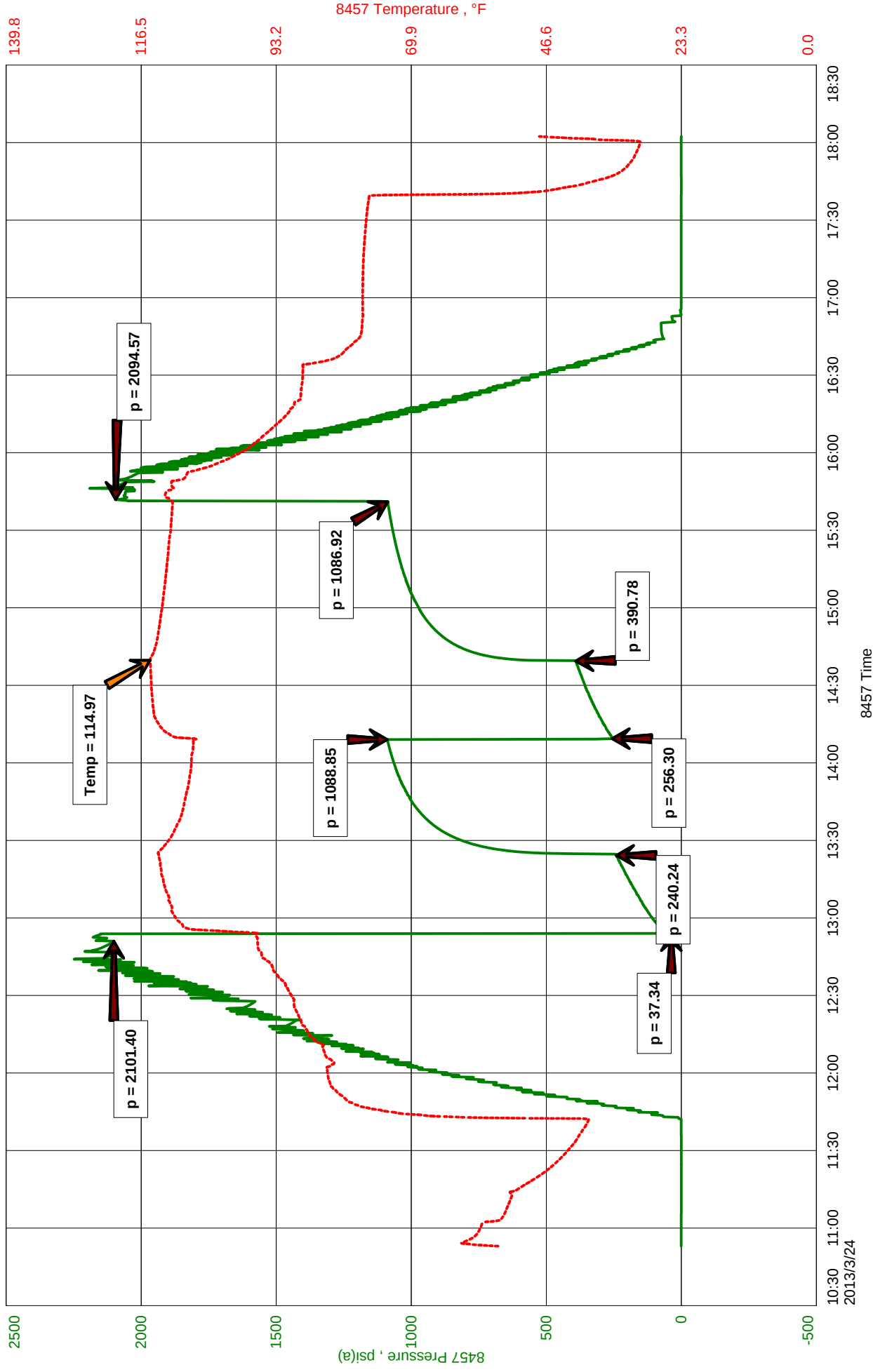
TOOL SAMLPLE: SPOTTY OIL, 98% WATER, 2% MUD

CHLORIDES: 41,000 ppm
PH: 7.0
RW: .27 @ 75 deg.

RITCHIE EXPLORATION, INC.
DST #5, LKC "K", 4351-4390
Start Test Date: 2013/03/24
Final Test Date: 2013/03/24

KOLLMAN 24D #1
Formation: DST #5, LKC "K", 4351-4390
Pool: BEAVER CLIFF SOUTHWEST
Job Number: T179

KOLLMAN 24D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: KOLLMAN24D1DST5

TIME ON: 10:53
TIME OFF: 18:03

Company RITCHIE EXPLORATION, INC. Lease & Well No. KOLLMAN 24D #1
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
Elevation 3164 KB Formation LKC "K" Effective Pay Ft. Ticket No. T179
Date 3-24-13 Sec. 24 Twp. 13 S Range 35 W County WICHITA State KANSAS
Test Approved By TERRY MCLEOD Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 5 Interval Tested from 4351 ft. to 4390 ft. Total Depth 4390 ft.

Packer Depth 4346 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 4351 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4337 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4387 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 6,400 P.P.M. Drill Pipe Length 4199 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 39 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: GOOD 1 1/2 INCH BLOW, BUILDING, REACHING BOB 6 MIN. (NOBB)

2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 8 1/2 MIN. (NOBB)

Recovered 20 ft. of CLEAN OIL, GRAVITY < 9

Recovered 210 ft. of HW,SMCO, 53% OIL, 34% WATER, 13% MUD

Recovered 255 ft. of SO&MCW, 5% OIL, 76% WATER, 19% MUD

Recovered 315 ft. of VSMCW W/TR.O, TRACE OIL, 97% WATER, 3% MUD

Recovered 60 ft. of MCW W/SP. O, SPOTTY OIL, 62% WATER, 38% MUD

Recovered 860 ft. of TOTAL FLUID CHORIDES: 41,000 ppm

Remarks: PH: 7.0

RW: .27 @ 75 deg.

TOOL SAMPLE: SPOTTY OIL, 98% WATER, 2% MUD

Time Set Packer(s) 12:53 PM A.M. P.M. Time Started Off Bottom 3:38 PM A.M. P.M. Maximum Temperature 115 deg.

Initial Hydrostatic Pressure (A) 2101 P.S.I.

Initial Flow Period Minutes 30 (B) 37 P.S.I. to (C) 240 P.S.I.

Initial Closed In Period Minutes 45 (D) 1089 P.S.I.

Final Flow Period Minutes 30 (E) 256 P.S.I. to (F) 391 P.S.I.

Final Closed In Period Minutes 60 (G) 1087 P.S.I.

Final Hydrostatic Pressure (H) 2095 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name KOLLMAN 24D #1
Unique Well ID DST #6, ALTAMONT "A", 4445-4520
Surface Location SEC 24-17S-35W, WICHITA CO. KS.
Field BEAVER CLIFF SOUTHWEST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #6, ALTAMONT "A", 4445-4520
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/03/25
Prepared By TIM VENTERS
Qualified By TERRY MCLEOD

Start Test Date 2013/03/25
Final Test Date 2013/03/25

Start Test Time 05:09:00
Final Test Time 13:00:00

Test Recovery:

RECOVERED: 15' MW/SP.O, SPOTTY OIL, 100% MUD
125' WCMW/SP O, SPOTTY OIL, 20% WATER, 80% MUD
140' TOTAL FLUID

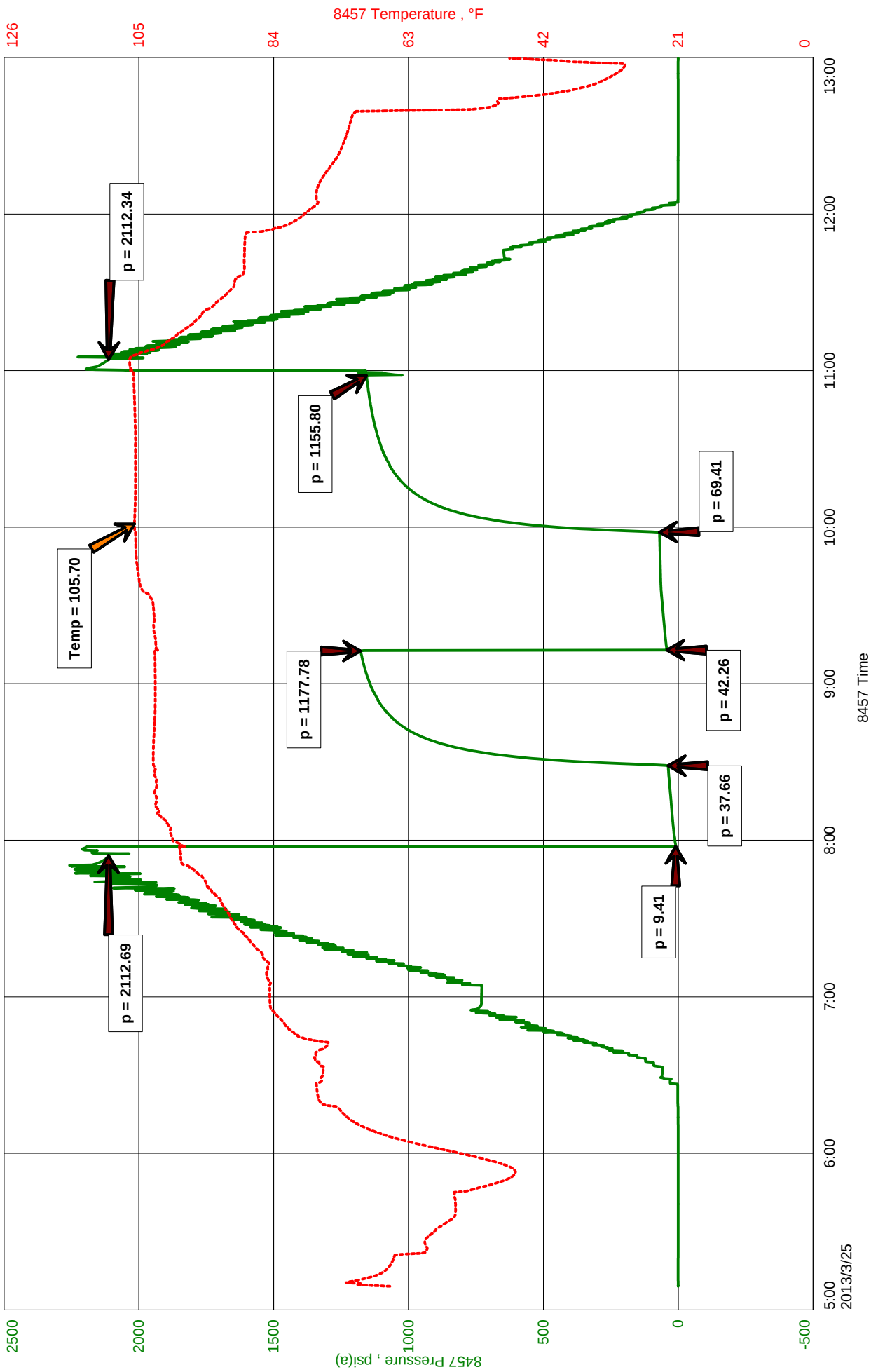
TOOL SAMPLE: TRACE OIL, 25% WATER, 75% MUD

CHLORIDES: 24,000 ppm
PH: 9.0
RW: .41 @ 70 deg.

RITCHIE EXPLORATION, INC.
DST #6, ALTAMONT "A", 4445-4520
Start Test Date: 2013/03/25
Final Test Date: 2013/03/25

KOLLMAN 24D #1
Formation: DST #6, ALTAMONT "A", 4445-4520
Pool: BEAVER CLIFF SOUTHWEST
Job Number: T180

KOLLMAN 24D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: KOLLMAN24D1DST6

TIME ON: 05:09
TIME OFF: 13:00

Company RITCHIE EXPLORATION, INC. Lease & Well No. KOLLMAN 24D #1
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
Elevation 3164 KB Formation ALTAMONT "A" Effective Pay _____ Ft. Ticket No. T180
Date 3-25-13 Sec. 24 Twp. 13 S Range 35 W County WICHITA State KANSAS
Test Approved By TERRY MCLEOD Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 6 Interval Tested from 4445 ft. to 4520 ft. Total Depth 4520 ft.
Packer Depth 4440 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4445 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4431 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4517 ft. Recorder Number 11030 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 124 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,400 P.P.M. Drill Pipe Length 4293 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 44 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 SURFACE BLOW, BUILDING TO 2 1/4 INCHES. (NOBB)
2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 1 1/2 INCHES. (NOBB)

Recovered 15 ft. of M W/SP. O, SPOTTY OIL, 100%N MUD

Recovered 125 ft. of WCM W/SP. O, SPOTTY OIL, 20% WATER, 80% MUD

Recovered 140 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of CHORIDES: 24,000 ppm

Remarks: PH: 9.0

RW: .41 @ 70 deg.

TOOL SAMPLE: TRACE OIL, 25% WATER, 75% MUD

Time Set Packer(s) 7:57 AM A.M. P.M. Time Started Off Bottom 10:57 AM A.M. P.M. Maximum Temperature 106 deg.

Initial Hydrostatic Pressure _____ (A) 2113 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 9 P.S.I. to (C) 38 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1178 P.S.I.

Final Flow Period _____ Minutes 45 (E) 42 P.S.I. to (F) 69 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 1156 P.S.I.

Final Hydrostatic Pressure _____ (H) 2112 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name KOLLMAN 24D #1
Unique Well ID DST #7, ALTAMONT "B", 4522-4550
Surface Location SEC 24-17S-35W, WICHITA CO. KS.
Field BEAVER CLIFF SOUTHWEST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #7, ALTAMONT "B", 4522-4550
Well Fluid Type 01 Oil

Start Test Date 2013/03/25
Final Test Date 2013/03/26

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/03/26
Prepared By TIM VENTERS
Qualified By TERRY MCLEOD

Start Test Time 19:50:00
Final Test Time 02:47:00

Test Recovery:

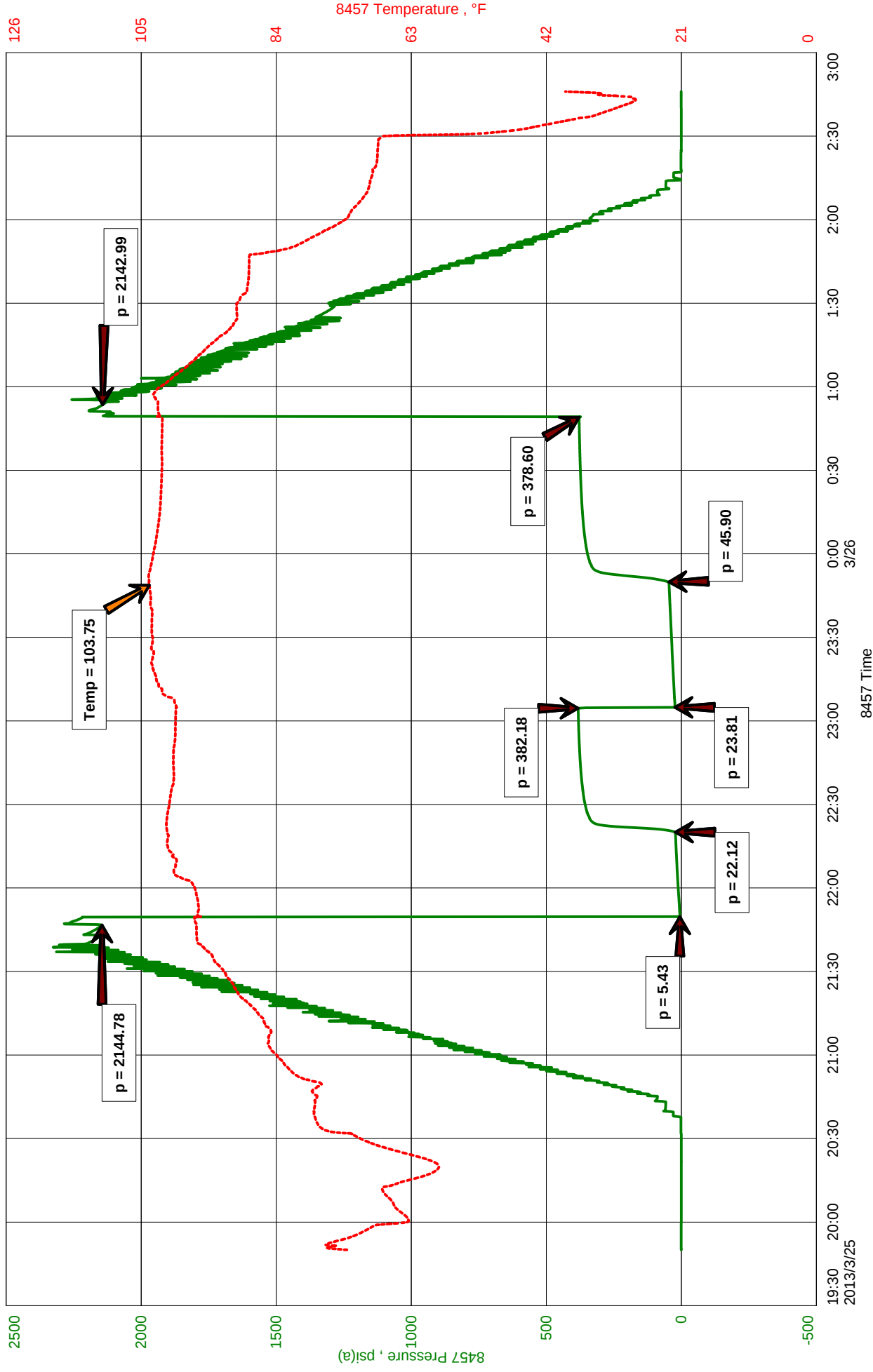
RECOVERED: 65' M W/SP. O, SPOTTY OIL, 100% MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

RITCHIE EXPLORATION, INC.
DST #7, ALTAMONT "B", 4522-4550
Start Test Date: 2013/03/25
Final Test Date: 2013/03/26

KOLLMAN 24D #1
Formation: DST #7, ALTAMONT "B", 4522-4550
Pool: BEAVER CLIFF SOUTHWEST
Job Number: T181

KOLLMAN 24D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: KOLLMAN24D1DST7

TIME ON: 19:50 3-25-13

TIME OFF: 02:47 3-26-13

Company RITCHIE EXPLORATION, INC. Lease & Well No. KOLLMAN 24D #1
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
Elevation 3164 KB Formation ALTAMONT "B" Effective Pay _____ Ft. Ticket No. T181
Date 3-25-13 Sec. 24 Twp. _____ 13 S Range _____ 35 W County WICHITA State KANSAS
Test Approved By TERRY MCLEOD Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 7 Interval Tested from 4522 ft. to 4550 ft. Total Depth 4550 ft.

Packer Depth 4517 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4522 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4508 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4547 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 56 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 6,800 P.P.M. Drill Pipe Length 4370 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 28 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 1/4 INCH BLOW, BUILDING TO 1 1/2 INCHES. (NOBB)

2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 1/2 INCH. (NOBB)

Recovered 65 ft. of M W/SP. O, SPOTTY OIL, 100% MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: TRACE OIL, 100% MUD

Time Set Packer(s) 9:49 PM A.M. P.M. Time Started Off Bottom 12:49 AM A.M. P.M. Maximum Temperature 104 deg.

Initial Hydrostatic Pressure _____ (A) 2145 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 5 P.S.I. to (C) 22 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 382 P.S.I.

Final Flow Period _____ Minutes 45 (E) 24 P.S.I. to (F) 46 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 379 P.S.I.

Final Hydrostatic Pressure _____ (H) 2143 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name KOLLMAN 24D #1
Unique Well ID DST #8, MISSISSIPPIAN, 4890-4917
Surface Location SEC 24-17S-35W, WICHITA CO. KS.
Field BEAVER CLIFF SOUTHWEST
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #8, MISSISSIPPIAN, 4890-4917
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/03/27
Prepared By TIM VENTERS
Qualified By TERRY MCLEOD

Start Test Date 2013/03/17
Final Test Date 2013/03/27

Start Test Time 12:21:00
Final Test Time 19:43:00

Test Recovery:

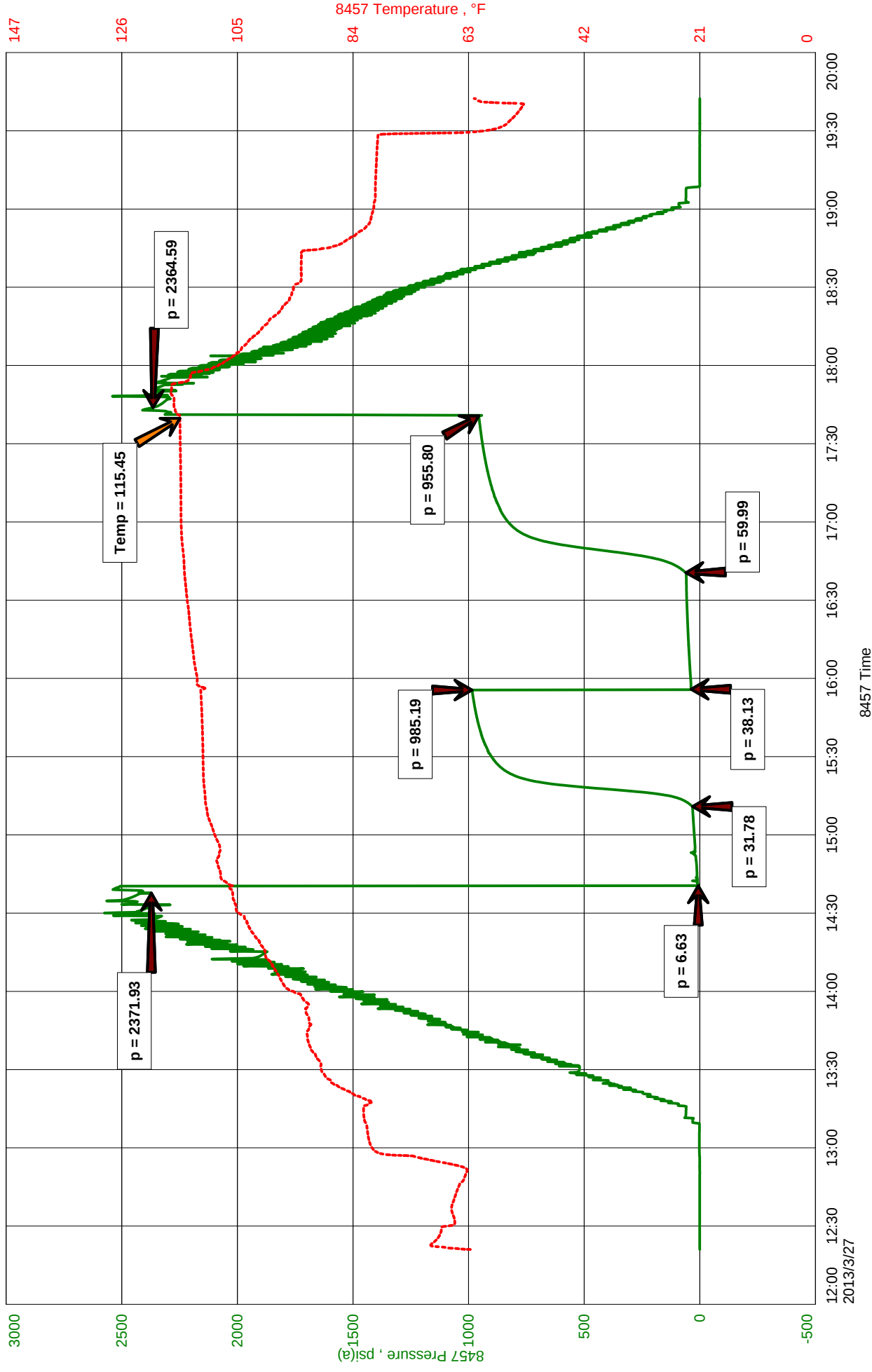
RECOVERED: 1' VSMCO, 93% OIL, 7% MUD GRAVITY: 26
124' OCM, 37% OIL, 63% MUD
125' TOTAL FLUID

TOOL SAMPLE: 28% OIL, 72% MUD

RITCHIE EXPLORATION, INC.
DST #8, MISSISSIPPIAN, 4890-4917
Start Test Date: 2013/03/17
Final Test Date: 2013/03/27

KOLLMAN 24D #1
Formation: DST #8, MISSISSIPPIAN, 4890-4917
Pool: BEAVER CLIFF SOUTHWEST
Job Number: T182

KOLLMAN 24D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: KOLLMAN24D1DST8

TIME ON: 12:21
TIME OFF: 19:43

Company RITCHIE EXPLORATION, INC. Lease & Well No. KOLLMAN 24D #1
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
Elevation 3164 KB Formation MISSISSIPPIAN Effective Pay _____ Ft. Ticket No. T182
Date 3-27-13 Sec. 24 Twp. _____ 13 S Range _____ 35 W County WICHITA State KANSAS
Test Approved By TERRY MCLEOD Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 8 Interval Tested from 4890 ft. to 4917 ft. Total Depth 4917 ft.

Packer Depth 4885 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4890 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4876 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4914 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 7,000 P.P.M. Drill Pipe Length 4738 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number S. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 27 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 SURFACE BLOW, BUILDING TO 1 1/2 INCHES. (NOBB)

2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 2 1/4 INCHES. (NOBB)

Recovered 1 ft. of VSMCO, 93% OIL, 7% MUD, GRAVITY: 26

Recovered 124 ft. of OCM, 37% OIL, 63% MUD

Recovered 125 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Price Job

Other Charges

Insurance

TOOL SAMPLE: 28% OIL, 72% MUD

Total

Time Set Packer(s) 2:40 PM A.M. P.M. Time Started Off Bottom 5:40 PM A.M. P.M. Maximum Temperature 115 deg.

Initial Hydrostatic Pressure _____ (A) 2372 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 7 P.S.I. to (C) 32 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 985 P.S.I.

Final Flow Period _____ Minutes 45 (E) 38 P.S.I. to (F) 60 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 956 P.S.I.

Final Hydrostatic Pressure _____ (H) 2365 P.S.I.

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