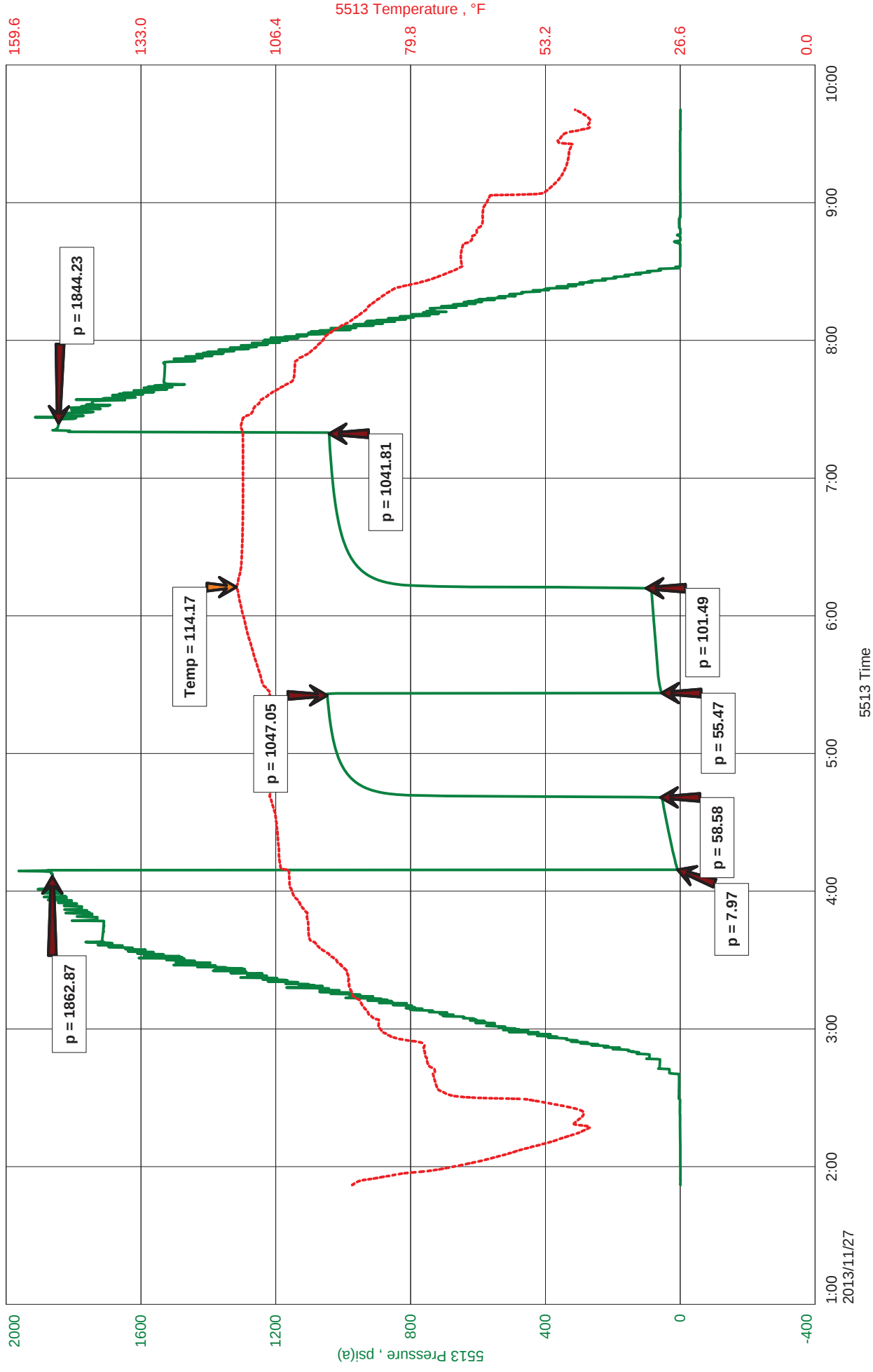


Winderlin #1-36 D





JASON MCLEMORE

CELL # 620-6170527

General Information

Company Name	Ritchie Exploration, Inc	Job Number	K062
Contact	Justin Clegg	Representative	Jason McLemore
Well Name	Winderlin #1-36 D	Well Operator	Ritchie Exploration, Inc
Unique Well ID	DST #1 Lansing C 3902-3921	Prepared By	Jason McLemore
Surface Location	36-15-31-Gove	Qualified By	Max Lovely
Field	Wildcat	Test Unit	
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Lansing C	Well Operator	Ritchie Exploration, Inc
Well Fluid Type	01 Oil	Report Date	2013/11/27
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2013/11/27	Start Test Time	01:52:00
Final Test Date	2013/11/27	Final Test Time	09:41:00

Test Results

RECOVERED:

160 Muddy Water: 85% Water, 15% Mud
160 Total Fluid

CHLORIDES: 50000

PH: 7

RW: .160 @ 20



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: winder1dst1

TIME ON: 1:52 AM
TIME OFF: 9:41 AM

Company Ritchie Exploration, Inc Lease & Well No. Winderlin #1-36 D
Contractor WW #8 Charge to Ritchie Exploration, Inc
Elevation KB 2805 Formation Lansing C Effective Pay Ft. Ticket No. K062
Date 11-27-13 Sec. 36 Twp. 15 S Range 31 W County Gove State KANSAS
Test Approved By Max Lovely Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 3902 ft. to 3921 ft. Total Depth 3921 ft.
Packer Depth 3897 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Packer Depth 3902 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3883 ft. Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3884 ft. Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.
Mud Type Chemical Viscosity 49 Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1800 P.P.M. Drill Pipe Length 3748 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 7 Test Tool Length 33 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 Blow, Built to 5", No Blowback

2nd Open: Weak Blow, Built to 6", No Blowback

Recovered <u>160</u> ft. of Muddy Water: 85% Water, 15% Mud	
Recovered <u>160</u> ft. of Total Fluid	
Recovered <u> </u> ft. of <u> </u>	
Recovered <u> </u> ft. of <u> </u>	
Recovered <u> </u> ft. of CHLORIDES: 50000	Price Job
Recovered <u> </u> ft. of PH: 7	Other Charges
Remarks: <u>RW: .160 @ 20</u>	Insurance
	Total

Time Set Packer(s) 4:10 AM A.M. P.M. Time Started Off Bottom 7:10 AM A.M. P.M. Maximum Temperature 114

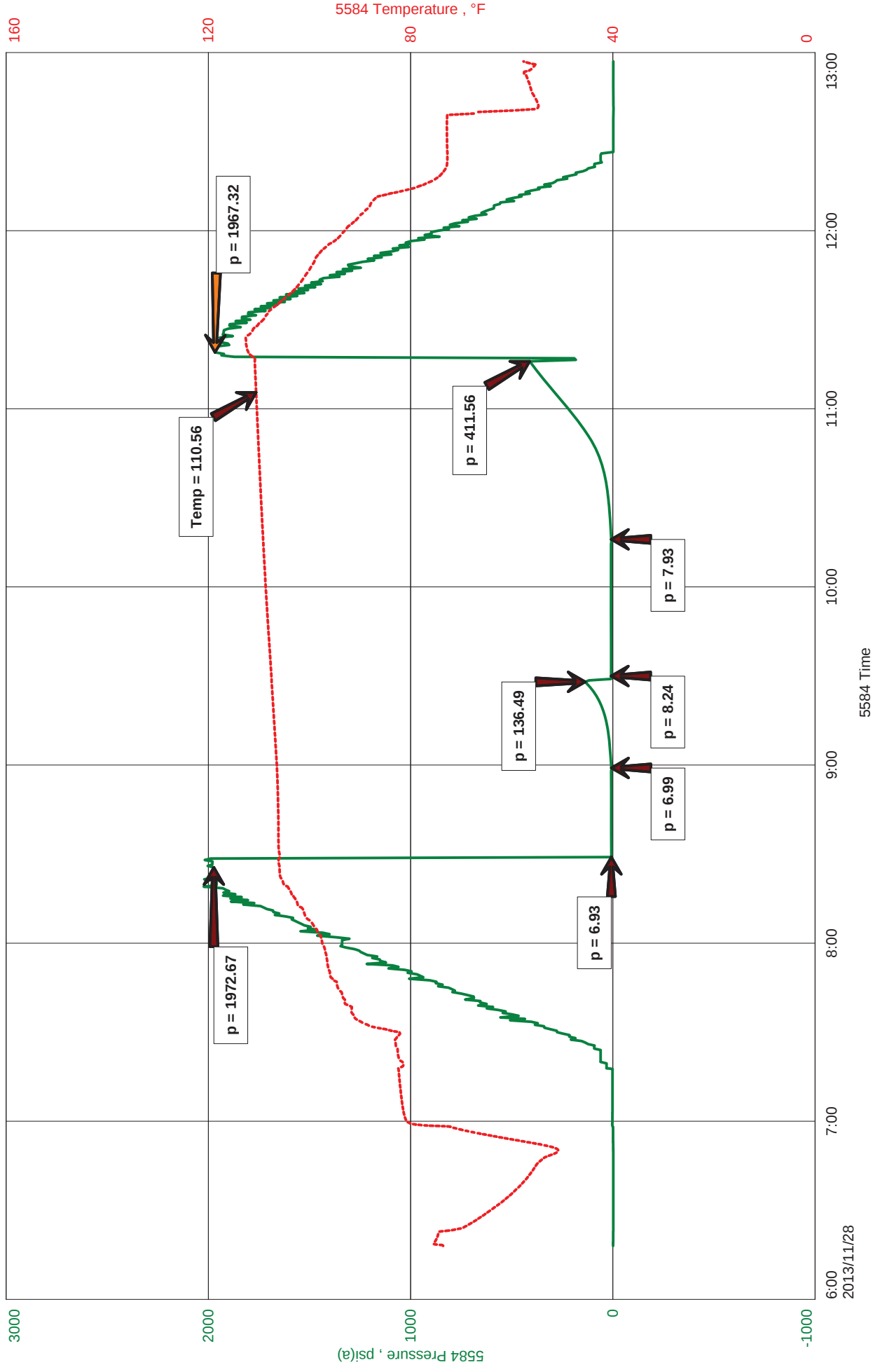
Initial Hydrostatic Pressure..... (A) 1863 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 59 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1047 P.S.I.
Final Flow Period..... Minutes 45 (E) 55 P.S.I. to (F) 101 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1042 P.S.I.
Final Hydrostatic Pressure..... (H) 1844 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.

RITCHIE EXPLORATION, INC.
DST #2 LANSING 'I' 4,075' - 4,104'
Start Test Date: 2013/11/28
Final Test Date: 2013/11/28

WINDERLIN 36-D #1
Formation: SEC 36-15S-31W GOVE CO., KS

WINDERLIN 36-D #1





DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name WINDERLIN 36-D #1
Unique Well ID DST #2 LANSING 'I' 4,075' - 4,104'
Surface Location SEC 36-15S-31W GOVE CO., KS
Field WILDCAT

Test Information

Test Type CONVENTIONAL
Formation SEC 36-15S-31W GOVE CO., KS
Test Purpose Initial Test
Well Fluid Type 01 Oil
H2S

Job Number
Test Unit
Representative ROGER D. FRIEDLY
Well Operator WW RIG #8
Report Date 2013/11/28
Prepared By ROGER D. FRIEDLY
Qualified By MAX LOVELY

Start Test Date 2013/11/28 Start Test Time 06:18:00
Final Test Date 2013/11/28 Final Test Time 12:57:00

Remarks

RECOVERED: 3' DM 100% MUD
3' TOTAL FLUID

TOOL SAMPLE: 100% DM WITH A FEW OIL SPECKS



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WIND36D1DST2

TIME ON: 06:18
TIME OFF: 12:57

Company RITCHIE EXPLORATION, INC. Lease & Well No. WIDERLIN 36-D #1
Contractor WW RIG #8 Charge to RITCHIE EXPLORATION, INC.
Elevation 2,805' KB Formation LANSING 'I' Effective Pay _____ Ft. Ticket No. _____
Date 11.28.13 Sec. 36 Twp. 15 S Range 31 W County GOVE State KANSAS
Test Approved By MAX LOVELY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 4,075 ft. to 4,104 ft. Total Depth 4,104 ft.

Packer Depth 4,070 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4,075 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,057 ft. Recorder Number 5584 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4,106 ft. Recorder Number 30046 Cap. 5,000 P.S.I.

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

Mud Type Chem Viscosity 50 Drill Collar Length 122 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 2,100 P.P.M. Drill Pipe Length 3,922 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 32 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 29 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" BLOW INCREASING TO 3/4" (NOBB)

2nd Open: WEAK INTERMITTENT SURFACE BLOW (NO BB)

Recovered 3 ft. of DM 100% MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% DM FEW OIL SPECKS

Time Set Packer(s) 8:29 A.M. A.M. P.M. Time Started Off Bottom 11:14 A.M. A.M. P.M. Maximum Temperature 111

Initial Hydrostatic Pressure..... (A) 1,973 P.S.I.

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

Initial Closed In Period..... Minutes 30 (D) 136 P.S.I.

Final Flow Period..... Minutes 45 (E) 8 P.S.I. to (F) 8 P.S.I.

Final Closed In Period..... Minutes 60 (G) 412 P.S.I.

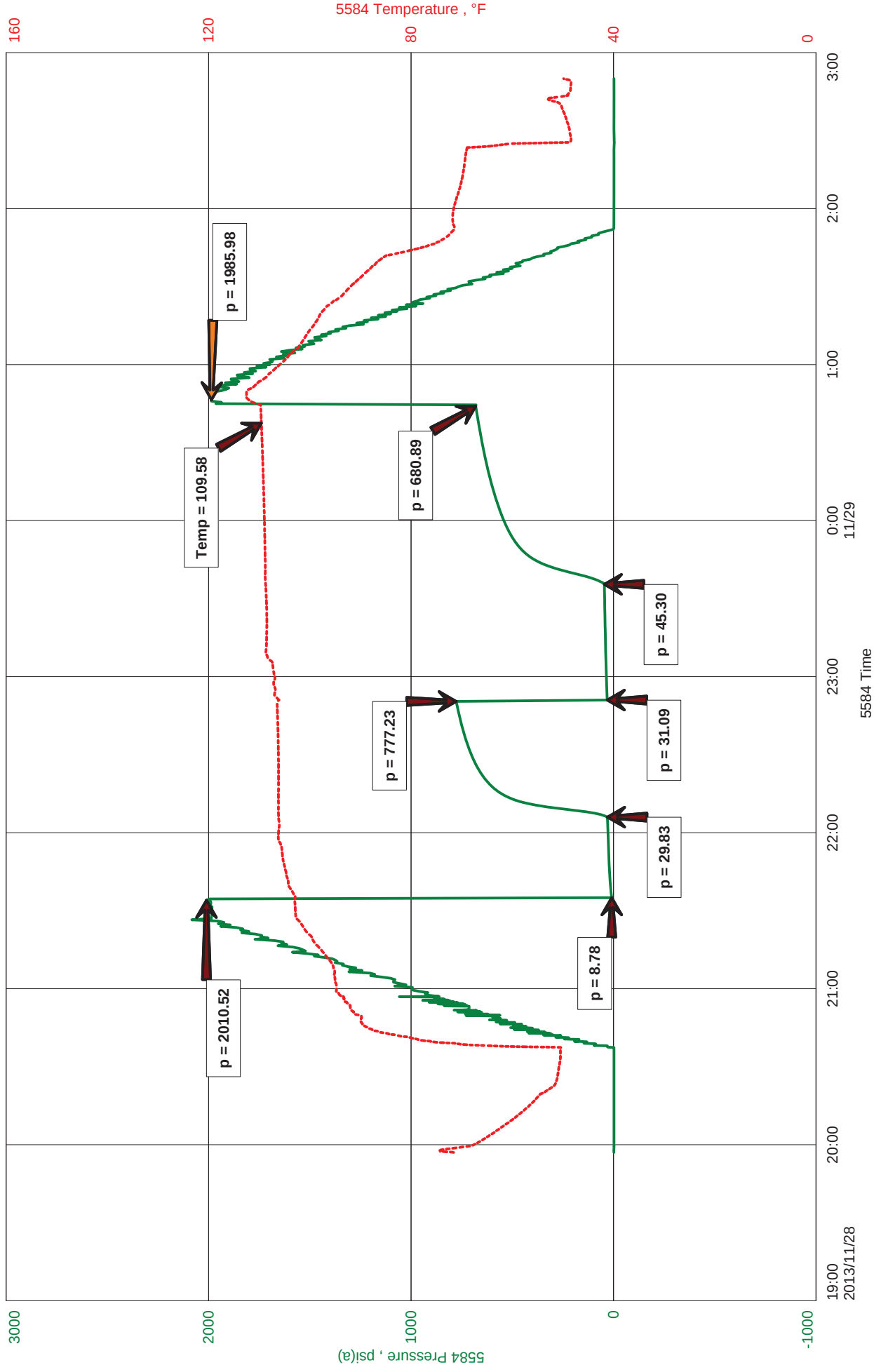
Final Hydrostatic Pressure..... (H) 1,967 P.S.I.

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.

RITCHIE EXPLORATION, INC.
DST #3 LANSING 4,102' - 4,135'
Start Test Date: 2013/11/28
Final Test Date: 2013/11/29

WINDERLIN 36-D #1
Formation: DST #3 LANSING 4,102' - 4,135'

WINDERLIN 36-D #1





DIAMOND TESTING
ROGER D. FRIEDLY - TESTER
CELL 620-793-2043

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name WINDERLIN 36-D #1
Unique Well ID DST #3 LANSING 4,102' - 4,135'
Surface Location SEC 36-15S-31W GOVE CO., KS
Field WILDCAT

Test Information

Test Type CONVENTIONAL
Formation DST #3 LANSING 4,102' - 4,135'
Test Purpose Initial Test
Well Fluid Type 01 Oil
H2S

Job Number
Test Unit
Representative ROGER D. FRIEDLY
Well Operator W.W. RIG #8
Report Date 2013/11/29
Prepared By ROGER D. FRIEDLY
Qualified By MAX LOVELY

Start Test Date 2013/11/28 **Start Test Time** 19:57:00
Final Test Date 2013/11/29 **Final Test Time** 02:50:00

Remarks

RECOVERED: 77' SLTOCM 1% OIL, 99% MUD
 77' TOTAL FLUID

TOOL SAMPLE: 5% OIL, 95% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WIND36D1DST3

TIME ON: 19:57(11.28)
TIME OFF: 02:50(11.29)

Company RITCHIE EXPLORATION, INC. Lease & Well No. WINDERLIN 36-D #1
Contractor WW RIG #8 Charge to RITCHIE EXPLORATION, INC.
Elevation 2,805' KB Formation LANSING 'J' Effective Pay _____ Ft. Ticket No. _____
Date 11.28.13 Sec. 36 Twp. 15 S Range 31 W County GOVE State KANSAS
Test Approved By MAX LOVELY Diamond Representative ROGER D. FRIEDLY

Formation Test No. 3 Interval Tested from 4,102 ft. to 4,135 ft. Total Depth 4,135 ft.

Packer Depth 4,097 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4,102 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,084 ft. Recorder Number 5584 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4,104 ft. Recorder Number 30046 Cap. 5,000 P.S.I.

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

Mud Type Chem Viscosity 55 Drill Collar Length 122 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 2,100 P.P.M. Drill Pipe Length 3,948 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 32 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 33 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" BLOW INCREASING TO 2 3/4" (NOBB)

2nd Open: WEAK SURFACE BLOW INCREASING TO 3/4" (NOBB)

Recovered 77 ft. of SLTOCM 1% OIL, 99% MUD

Recovered 77 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks:

DIESEL IN BUCKET

TOOL SAMPLE: 5% OIL, 95% MUD

Time Set Packer(s) 9:35 P.M. A.M. P.M. Time Started Off Bottom 12:35 A.M. A.M. P.M. Maximum Temperature 110

Initial Hydrostatic Pressure..... (A) 2,011 P.S.I.

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

Initial Closed In Period..... Minutes 45 (D) 777 P.S.I.

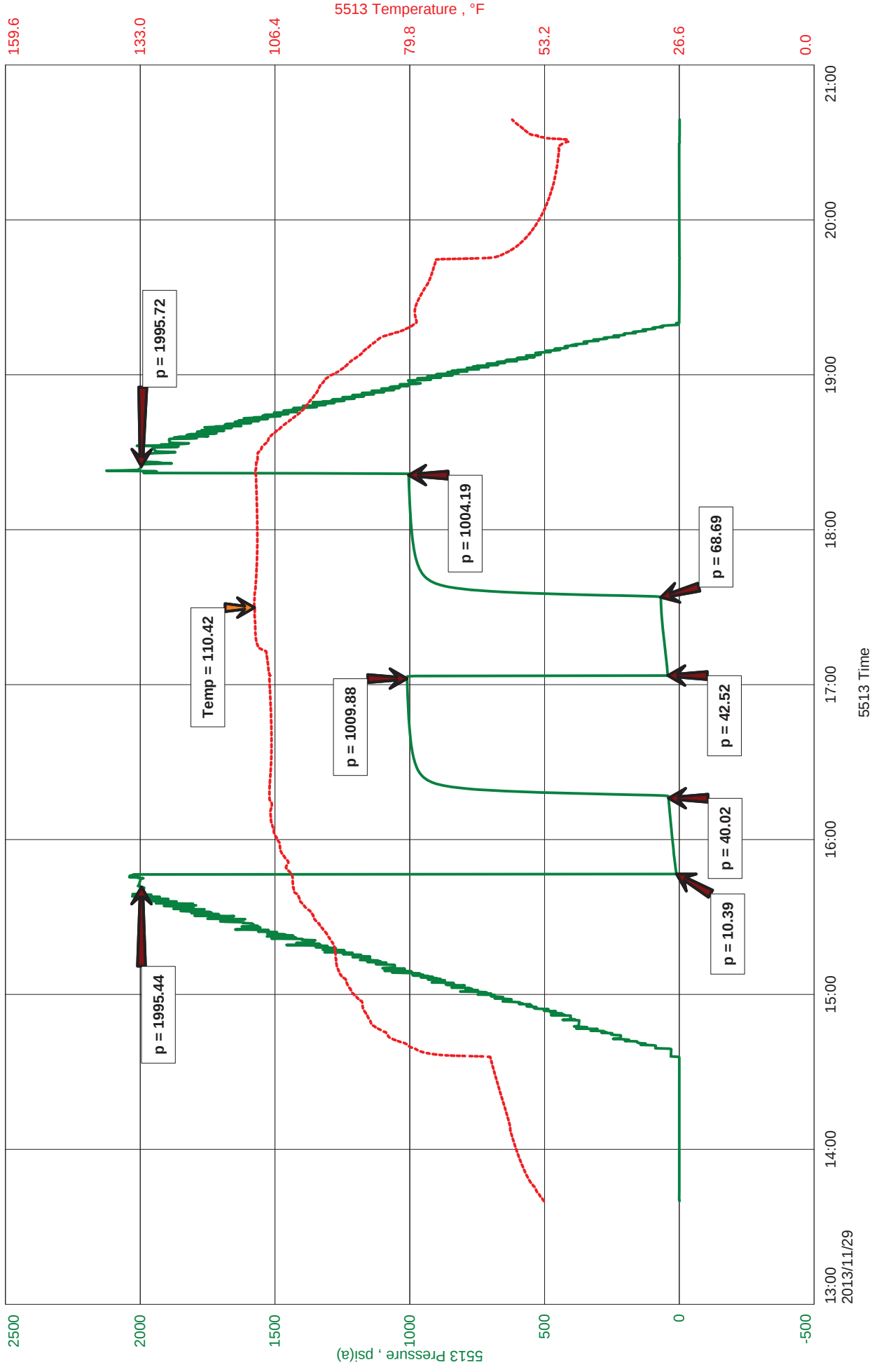
Final Flow Period..... Minutes 45 (E) 31 P.S.I. to (F) 45 P.S.I.

Final Closed In Period..... Minutes 60 (G) 681 P.S.I.

Final Hydrostatic Pressure..... (H) 1,986 P.S.I.

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Winderlin 36D #1





JASON MCLEMORE

CELL # 620-6170527

General Information

Company Name	Ritchie Exploration, Inc	Job Number	K063
Contact	Justin Clegg	Representative	Jason McLemore
Well Name	Winderlin 36D #1	Well Operator	Ritchie Exploration, Inc
Unique Well ID	DST #4 Lansing K-L 4133-4210	Prepared By	Jason McLemore
Surface Location	36-15s-31w-Gove	Qualified By	Max Lovely
Field	Wildcat	Test Unit	#7
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Lansing K-L	Well Operator	Ritchie Exploration, Inc
Well Fluid Type	01 Oil	Report Date	2013/11/29
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2013/11/29	Start Test Time	13:49:00
Final Test Date	2013/11/29	Final Test Time	20:43:00

Test Results

RECOVERED:

130 Watery Mud, 20% Water, 80% Mud
130 Total Fluid

CHLORIDES: 18000

PH: 7

RW: .525 @ 35



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: winder1dst4

TIME ON: 13:49 PM
TIME OFF: 20:43 PM

Company Ritchie Exploration, Inc Lease & Well No. Winderlin #1-36 D
Contractor WW #8 Charge to Ritchie Exploration, Inc
Elevation KB 2805 Formation Lansing K-L Effective Pay Ft. Ticket No. K063
Date 11-29-13 Sec. 36 Twp. 15 S Range 31 W County Gove State KANSAS
Test Approved By Max Lovely Diamond Representative Jason McLemore

Formation Test No. 4 Interval Tested from 4133 ft. to 4210 ft. Total Depth 4210 ft.

Packer Depth 4128 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 4133 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4114 ft. Recorder Number 5513 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 4115 ft. Recorder Number 5588 Cap. 6000 P.S.I.

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

Mud Type Chemical Viscosity 46 Drill Collar Length 121 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 2500 P.P.M. Drill Pipe Length 3979 ft. I.D. 3 1/2 in.

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

Did Well Flow? NO Reversed Out No Anchor Length 77 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 Blow, Built to 2-3/4", No Blowback

2nd Open: Weak Blow, Built to 2", No Blowback

Recovered 130 ft. of Watery Mud, 20% Water, 80% Mud

Recovered 130 ft. of Total Fluid

Recovered ft. of

Recovered ft. of

Recovered ft. of CHLORIDES: 18000

Recovered ft. of PH: 7

Remarks: RW: .525 @ 35

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 3:57 PM A.M. P.M. Time Started Off Bottom 6:27 PM A.M. P.M. Maximum Temperature 110

Initial Hydrostatic Pressure..... (A) 1995 P.S.I.

Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1010 P.S.I.

Final Flow Period..... Minutes 30 (E) 43 P.S.I. to (F) 69 P.S.I.

Final Closed In Period..... Minutes 45 (G) 1004 P.S.I.

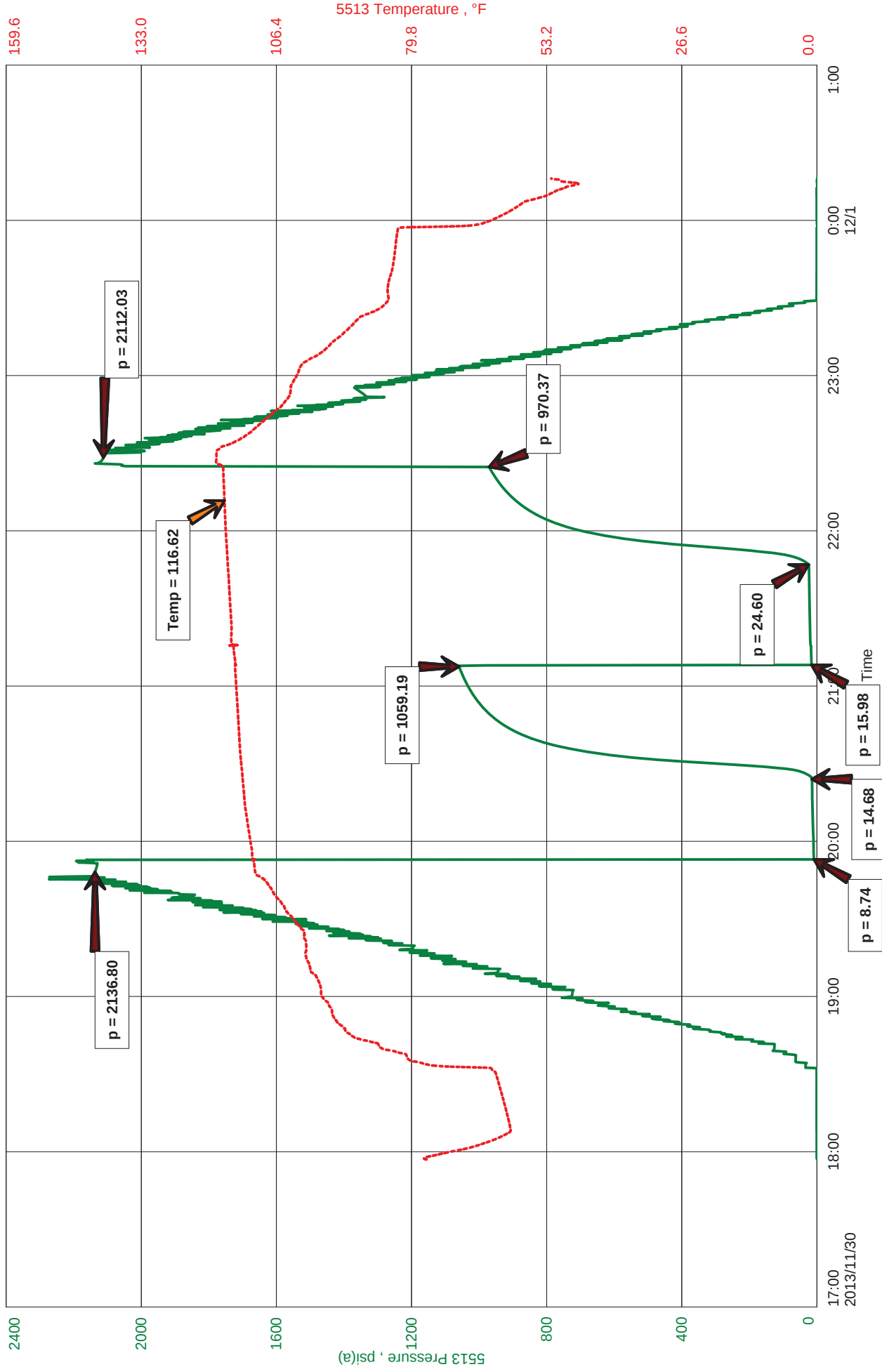
Final Hydrostatic Pressure..... (H) 1995 P.S.I.

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.

Ritchie Exploration, Inc
DST #5 Myric 4352-4380
Start Test Date: 2013/11/30
Final Test Date: 2013/12/01

Winderlin 36D #1
Formation: Myric
Pool: Wildcat
Job Number: K064

Winderlin 36D #1





JASON MCLEMORE

CELL # 620-6170527

General Information

Company Name	Ritchie Exploration, Inc	Job Number	K064
Contact	Justin Clegg	Representative	Jason McLemore
Well Name	Winderlin 36D #1	Well Operator	Ritchie Exploration, Inc
Unique Well ID	DST #5 Myric 4352-4380	Prepared By	Jason McLemore
Surface Location	36-15s-31w-Gove	Qualified By	Max Lovely
Field	Wildcat	Test Unit	#7
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Myric	Well Operator	Ritchie Exploration, Inc
Well Fluid Type	01 Oil	Report Date	2013/12/01
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore

Start Test Date	2013/11/30	Start Test Time	17:57:00
Final Test Date	2013/12/01	Final Test Time	00:18:00

Test Results

RECOVERED:

15	Drilling Mud
15	Total Fluid



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: winder1dst5

TIME ON: 17:57 PM
TIME OFF: 00:18 AM

Company Ritchie Exploration, Inc Lease & Well No. Winderlin #1-36 D
Contractor WW #8 Charge to Ritchie Exploration, Inc
Elevation KB 2805 Formation Myric Effective Pay Ft. Ticket No. K064
Date 11-30-13 Sec. 36 Twp. 15 S Range 31 W County Gove State KANSAS
Test Approved By Max Lovely Diamond Representative Jason McLemore

Formation Test No. 5 Interval Tested from 4352 ft. to 4380 ft. Total Depth 4380 ft.

Packer Depth 4347 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 4352 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4333 ft. Recorder Number 5513 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 4344 ft. Recorder Number 5588 Cap. 6000 P.S.I.

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

Mud Type Chemical Viscosity 54 Drill Collar Length 121 ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3000 P.P.M. Drill Pipe Length 4198 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number NA Test Tool Length 33 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 Blow, Built to 3/4", No Blowback

2nd Open: Dead, Flush Tool, Surge, Then Dead, No Blowback

Recovered 15 ft. of Drilling Mud

Recovered 15 ft. of Total Fluid

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 7:54 PM A.M. P.M. Time Started Off Bottom 10:24 PM A.M. P.M. Maximum Temperature 117

Initial Hydrostatic Pressure..... (A) 2137 P.S.I.

Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1059 P.S.I.

Final Flow Period..... Minutes 30 (E) 16 P.S.I. to (F) 25 P.S.I.

Final Closed In Period..... Minutes 45 (G) 970 P.S.I.

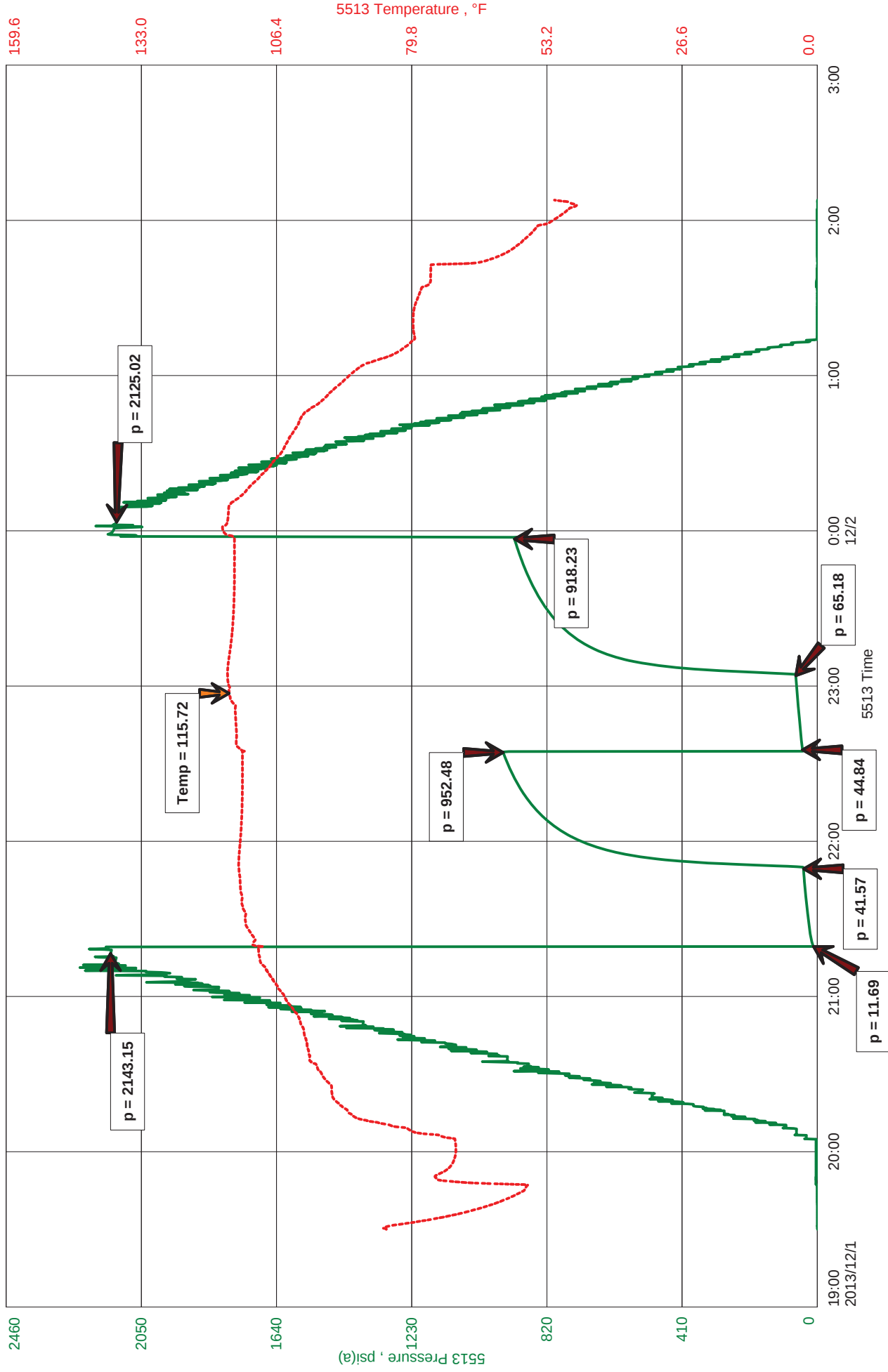
Final Hydrostatic Pressure..... (H) 2112 P.S.I.

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.

Ritchie Exploration, Inc
DST #6 Ft Scott-Johnson 4384-4480
Start Test Date: 2013/12/01
Final Test Date: 2013/12/02

Winderlin 36D #1
Formation: Ft. Scott- Johnson
Pool: Wildcat
Job Number: K065

Winderlin 36D #1





JASON MCLEMORE

CELL # 620-6170527

General Information

Company Name	Ritchie Exploration, Inc	Justin Clegg	Job Number	K065
Contact		Winderlin 36D #1	Representative	Jason McLemore
Well Name		DST #6 Ft Scott-Johnson 4384-4480	Well Operator	Ritchie Exploration, Inc
Unique Well ID		36-15s-31w-Gove	Prepared By	Jason McLemore
Surface Location		Wildcat	Qualified By	Max Lovely
Field		Vertical	Test Unit	#7
Well Type				

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Ft. Scott- Johnson	Well Operator	Ritchie Exploration, Inc
Well Fluid Type	01 Oil	Report Date	2013/12/02
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore

Start Test Date	2013/12/01	Start Test Time	19:30:00
Final Test Date	2013/12/02	Final Test Time	02:10:00

Test Results

RECOVERED:

80	Drilling Mud with Oil Scum, < 1% Oil
80	Total Fluid



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: winder1dst6

TIME ON: 19:30 PM
TIME OFF: 02:10 AM

Company Ritchie Exploration, Inc Lease & Well No. Winderlin #1-36 D
Contractor WW #8 Charge to Ritchie Exploration, Inc
Elevation KB 2805 Formation Ft Scott-Johnson Effective Pay _____ Ft. Ticket No. K065
Date 12-2-13 Sec. 36 Twp. 15 S Range 31 W County Gove State KANSAS
Test Approved By Max Lovely Diamond Representative Jason McLemore

Formation Test No. 6 Interval Tested from 4384 ft. to 4480 ft. Total Depth 4480 ft.

Packer Depth 4379 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4384 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4365 ft. Recorder Number 5513 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 4366 ft. Recorder Number 5588 Cap. 6000 P.S.I.

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

Mud Type Chemical Viscosity 49 Drill Collar Length 121 ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3300 P.P.M. Drill Pipe Length 4230 ft. I.D. 3 1/2 in.

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

Did Well Flow? NO Reversed Out No Anchor Length 96 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 Blow, Built to 3 1/2", No Blowback

2nd Open: Weak Blow, Built to 1", No Blowback

Recovered 80 ft. of Drilling Mud With Oil Scum, Less Than 1% Oil

Recovered 80 ft. of Total Fluid

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 9:18 PM A.M. P.M. Time Started Off Bottom 11:48 PM A.M. P.M. Maximum Temperature 116

Initial Hydrostatic Pressure..... (A) 2143 P.S.I.

Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 42 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 952 P.S.I.

Final Flow Period..... Minutes 30 (E) 45 P.S.I. to (F) 65 P.S.I.

Final Closed In Period..... Minutes 45 (G) 918 P.S.I.

Final Hydrostatic Pressure..... (H) 2125 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.