



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HellC5ADST1

TIME ON: 6-1 23:25
TIME OFF: 6-2 07:47

Company Ritchie Exploration Inc Lease & Well No. Hell Creek 5A
Contractor WW Rig #2 Charge to Ritchie Exploration Inc
Elevation 2805 KB Formation _____ Lan. A-C Effective Pay _____ Ft. Ticket No. S0341
Date 6-2-13 Sec. 5 Twp. _____ 16 S Range _____ 31 W County _____ Scott State KANSAS
Test Approved By Max Lovely Diamond Representative JACOB MCCALLIE

Formation Test No. 1 Interval Tested from 3863 ft. to 3890 ft. Total Depth 3890 ft.

Packer Depth 3858 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3863 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3844 ft. Recorder Number 8471 Cap. 10000 P.S.I.

Bottom Recorder Depth (Outside) 3887 ft. Recorder Number 3851 Cap. 5700 P.S.I.

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

Mud Type Chem Viscosity 54 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 8.9 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 2,000 P.P.M. Drill Pipe Length 3706 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 3 Test Tool Length 33 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: 2 1/2" Blow- Built to BB in 2 3/4 min **NOBB**

2nd Open: 2" Blow- Built to BB in 3 1/2 min **NOBB**

Recovered 219 ft. of HMCW 60% W 40% M

Recovered 1449 ft. of SLMCW 99% W 1% M

Recovered 1668 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of PH: 7

Recovered _____ ft. of RW: .25 @ 48 degrees F

Remarks: CHLORIDES: 36,000 ppm

TOOL SAMPLE: 2% O 72% W 26% M

Time Set Packer(s) 1:55 AM A.M. P.M. Time Started Off Bottom 4:55 AM A.M. P.M. Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 1816 P.S.I.

Initial Flow Period..... Minutes 30 (B) 52 P.S.I. to (C) 490 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 1033 P.S.I.

Final Flow Period..... Minutes 30 (E) 489 P.S.I. to (F) 738 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1030 P.S.I.

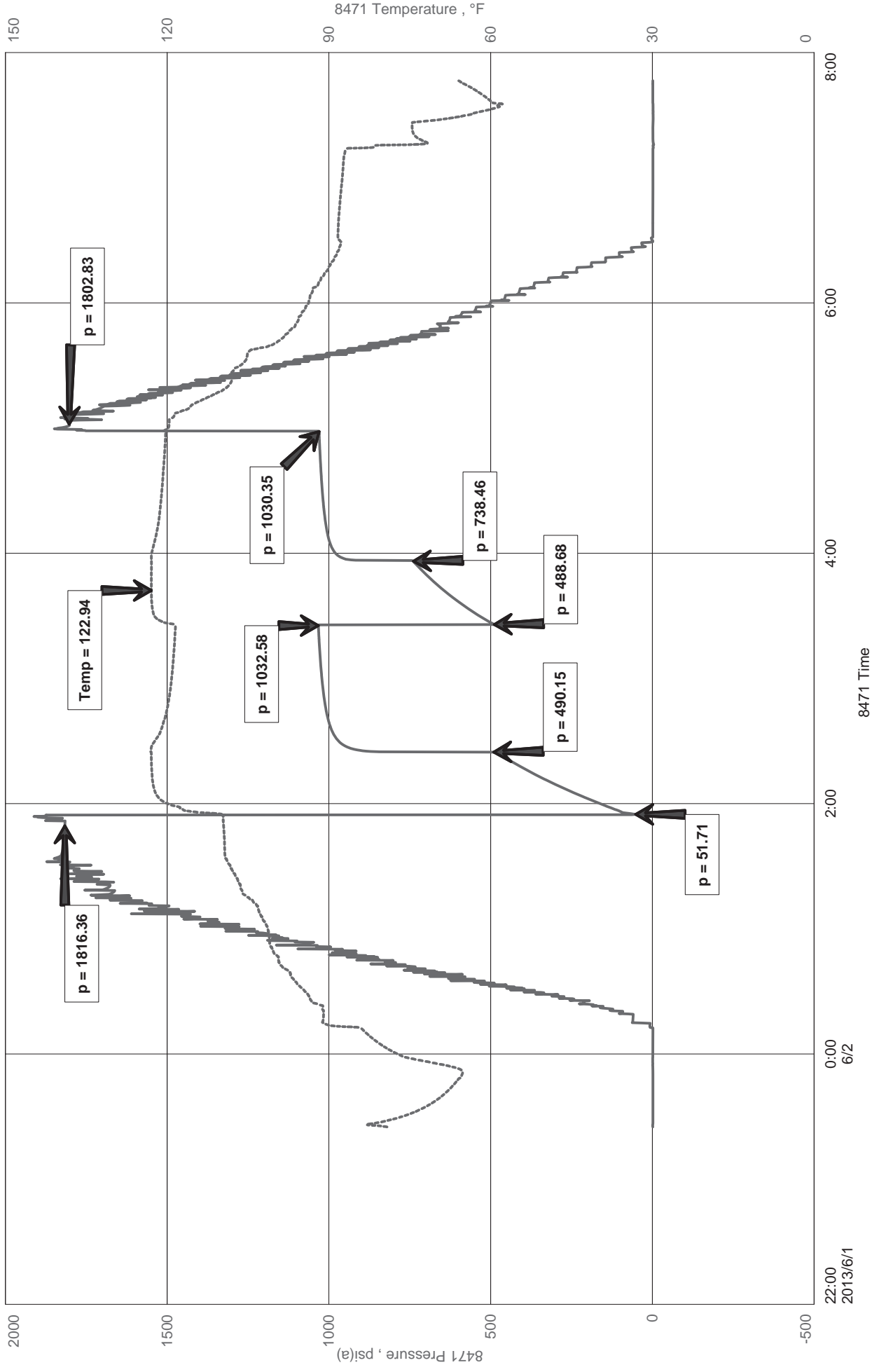
Final Hydrostatic Pressure..... (H) 1803 P.S.I.

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 #1 Lan. A-C 3863-3890'
Start Test Date: 2013/06/01
Final Test Date: 2013/06/02

Hell Creek 5A
Formation: DST #1 Lan. A-C 3863-3890'
Pool: Wildcat
Job Number: S0341

Hell Creek 5A





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

Company Name Ritchie Exploration Inc.
Contact Justin Clegg
Well Name Hell Creek 5A
Unique Well ID DST #1 Lan. A-C 3863-3890'
Surface Location SEC 5-16S-31W Scott County
Field Wildcat

Test Information

Test Type	Drill Stem Test	Job Number	S0341
Formation	DST #1 Lan. A-C 3863-3890'	Test Unit	3
Test Purpose	Initial Test	Representative	Jacob McCallie
Well Fluid Type	06 Water	Well Operator	Ritchie Exploration Inc.
H2S		Report Date	2013/06/02
		Prepared By	Jacob McCallie
		Qualified By	Max Lovely

Start Test Date	2013/06/01	Start Test Time	23:25:00
Final Test Date	2013/06/02	Final Test Time	07:47:00

Remarks

RECOVERY:

219'	HMCW	60% W 40% M
1449'	SLMCW	99% W 1% M
1668'	TOTAL FLUID	

PH: 7

RW: .25 @ 48 degrees F

Chlorides: 36,000 ppm

TOOL SAMPLE:

2% O 72% W 26% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HellC5ADST2

TIME ON: 14:11
TIME OFF: 21:00

Company Ritchie Exploration Inc Lease & Well No. Hell Creek 5A
Contractor WW Rig #2 Charge to Ritchie Exploration Inc
Elevation 2805 KB Formation _____ Lan. D Effective Pay _____ Ft. Ticket No. S0342
Date 6-2-13 Sec. 5 Twp. _____ 16 S Range _____ 31 W County _____ Scott State KANSAS
Test Approved By Max Lovely Diamond Representative JACOB MCCALLIE

Formation Test No. 2 Interval Tested from 3894 ft. to 3923 ft. Total Depth 3923 ft.

Packer Depth 3889 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3894 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3882 ft. Recorder Number 8471 Cap. 10000 P.S.I.

Bottom Recorder Depth (Outside) 3920 ft. Recorder Number 3851 Cap. 5700 P.S.I.

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

Mud Type Chem Viscosity 67 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 3,000 P.P.M. Drill Pipe Length 3744 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 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: 1/4" Blow- Built to 10 1/4" in 30 min **NOBB**

2nd Open: 1/4" Blow- Built to BB in 40 1/2 min **NOBB**

Recovered 349 ft. of SLMW 90% W 10% M

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of PH: 7

Recovered _____ ft. of RW: .18 @ 75 degrees F

Recovered _____ ft. of Chlorides: 38,000 ppm

Remarks: _____

TOOL SAMPLE: 87% W 13% M (few oil speck)

Time Set Packer(s) 4:04 PM A.M. P.M. Time Started Off Bottom 7:04 PM A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 1824 P.S.I.

Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 93 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1067 P.S.I.

Final Flow Period..... Minutes 45 (E) 94 P.S.I. to (F) 165 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1065 P.S.I.

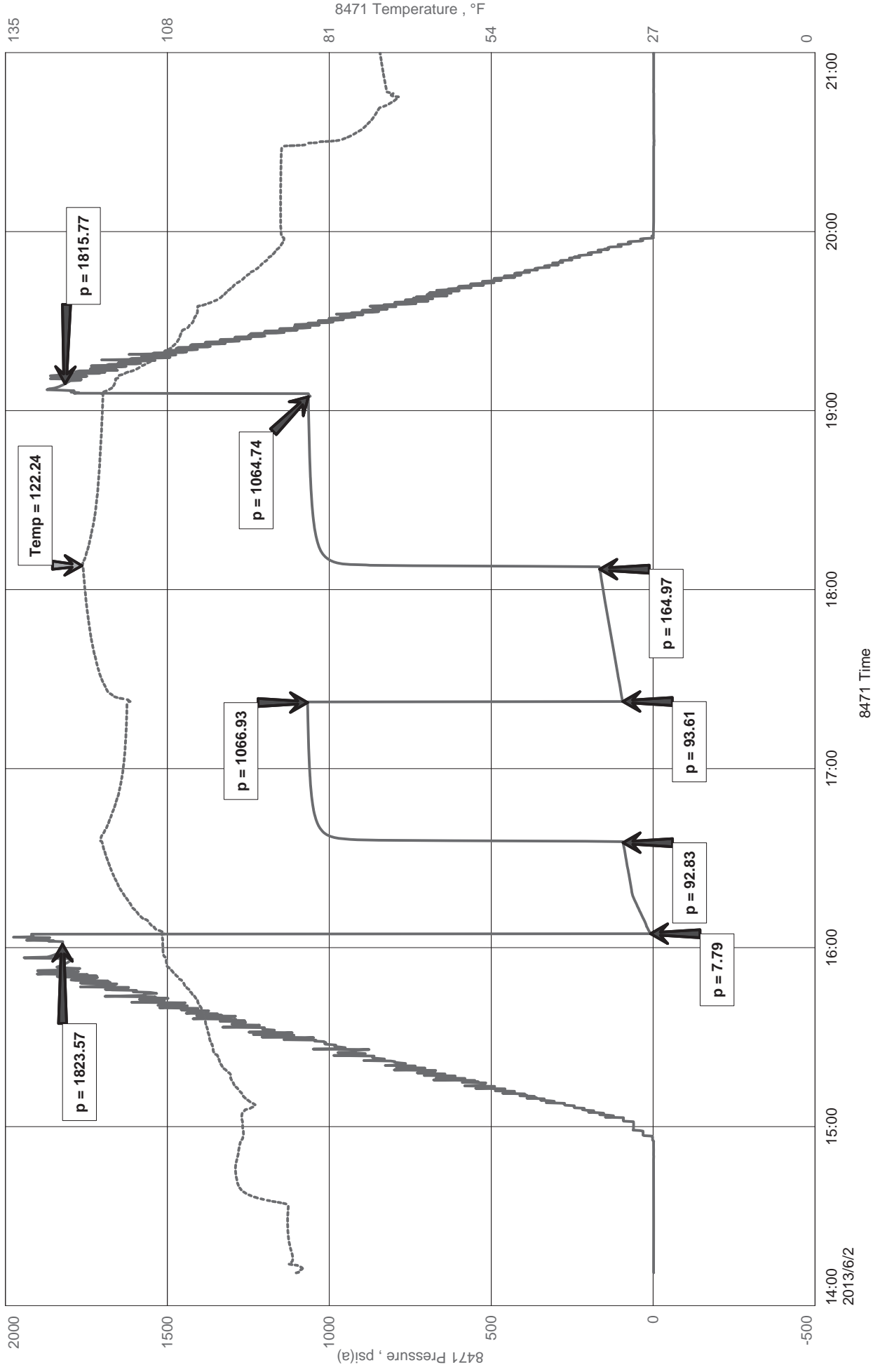
Final Hydrostatic Pressure..... (H) 1816 P.S.I.

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Richie Exploration Inc.
DST #2 Lan. D 3894-3923'
Start Test Date: 2013/06/02
Final Test Date: 2013/06/02

Hell Creek 5A
Formation: DST #2 Lan. D 3894-3923'
Pool: Wildcat
Job Number: S0342

Hell Creek 5A





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

Company Name Richie Exploration Inc.
Contact Justin Clegg
Well Name Hell Creek 5A
Unique Well ID DST #2 Lan. D 3894-3923'
Surface Location SEC 5-16S-31W Scott County
Field Wildcat

Test Information

Test Type	Drill Stem Test	Job Number	S0342
Formation	DST #2 Lan. D 3894-3923'	Test Unit	3
Test Purpose	Initial Test	Representative	Jacob McCallie
Well Fluid Type	01 Oil	Well Operator	Richie Exploration Inc.
H2S		Report Date	2013/06/02
		Prepared By	Jacob McCallie
		Qualified By	Max Lovely

Start Test Date	2013/06/02	Start Test Time	14:11:00
Final Test Date	2013/06/02	Final Test Time	21:00:00

Remarks

RECOVERED:

349' SLMW 90% W 10% M

PH: 7

RW: .18 @ 75 degrees F

Chlorides: 38,000 ppm

TOOL SAMPLE:

87% W 13% M (few oil specks)



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HellC5ADST3

TIME ON: 16:04
TIME OFF: 21:33

Company Ritchie Exploration Inc Lease & Well No. Hell Creek 5A
Contractor WW Rig #2 Charge to Ritchie Exploration Inc
Elevation 2805 KB Formation _____ Lan. J Effective Pay _____ Ft. Ticket No. S0343
Date 6-3-13 Sec. 5 Twp. _____ 16 S Range _____ 31 W County _____ Scott State KANSAS
Test Approved By Max Lovely Diamond Representative JACOB MCCALLIE

Formation Test No. 3 Interval Tested from 4052 ft. to 4084 ft. Total Depth 4084 ft.

Packer Depth 4047 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4052 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4040 ft. Recorder Number 8471 Cap. 10000 P.S.I.

Bottom Recorder Depth (Outside) 4081 ft. Recorder Number 3851 Cap. 5700 P.S.I.

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

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

Weight 9.1 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 3902 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 32 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: WSB- Died in 5 min NOBB

2nd Open: No Blow- flushed 12 min into open-WSB after flush-died in 17 min NOBB

Recovered 10 ft. of OSM 100% O (few oil specks)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Price Job

Other Charges

Insurance

TOOL SAMPLE: 100% M (few oil specks)

Total

Time Set Packer(s) 5:55 PM A.M. P.M. Time Started Off Bottom 7:55 PM A.M. P.M. Maximum Temperature 113

Initial Hydrostatic Pressure..... (A) 1928 P.S.I.

Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 907 P.S.I.

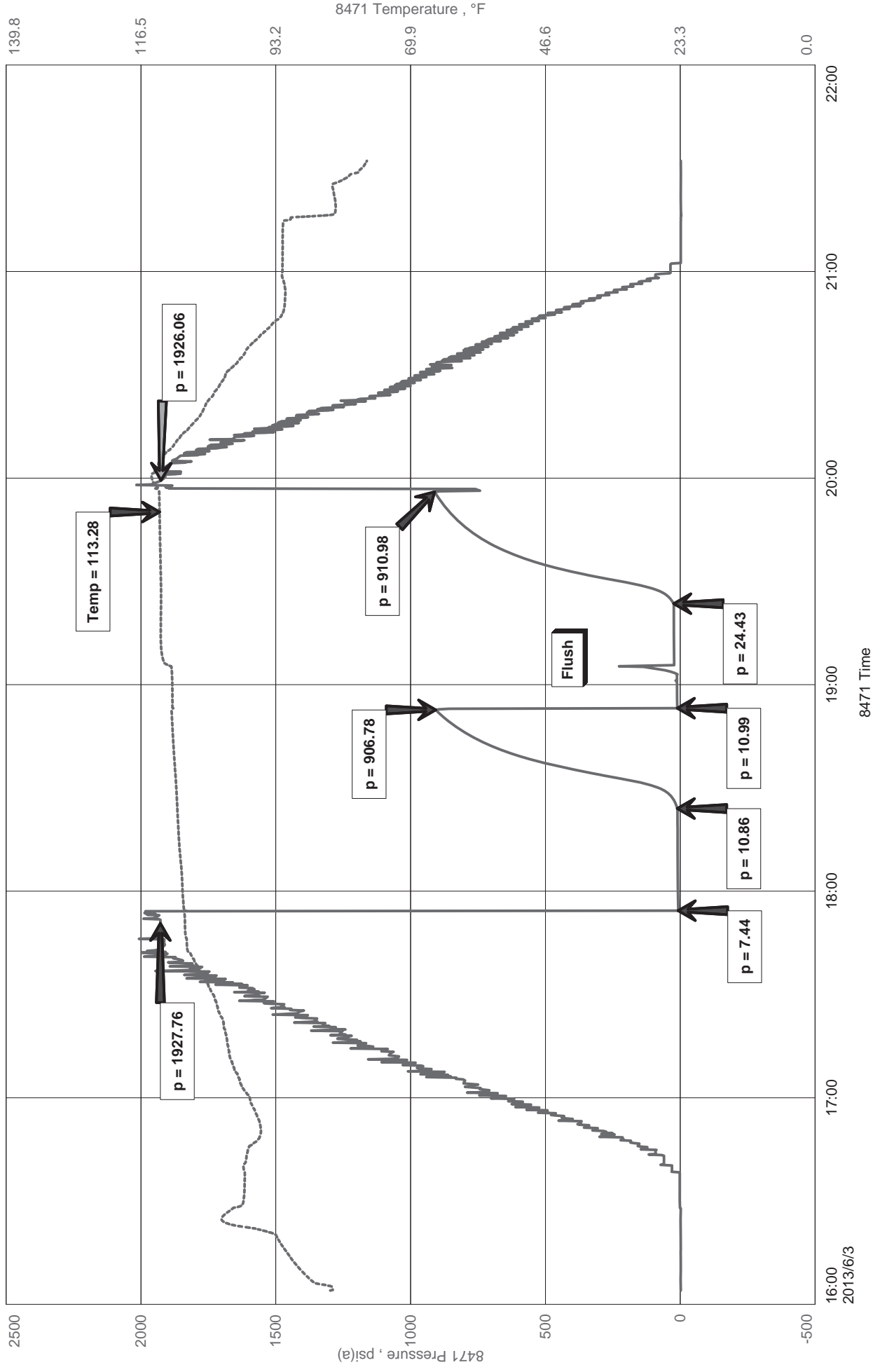
Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 24 P.S.I.

Final Closed In Period..... Minutes 30 (G) 911 P.S.I.

Final Hydrostatic Pressure..... (H) 1926 P.S.I.

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Job Number: S0343





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

Company Name Ritchie Exploration Inc.
Contact Justin Clegg
Well Name Hell Creek 5A
Unique Well ID DST #3 Lan. J 4052-4084'
Surface Location SEC 5-16S-31W Scott County
Field Wildcat

Test Information

Job Number S0343
Test Unit 3
Representative Jacob McCallie
Well Operator Ritchie Exploration Inc.
Report Date 2013/06/03
Test Type Drill Stem Test Prepared By Jacob McCallie
Formation DST #3 Lan. J 4052-4084' Qualified By Max Lovely
Test Purpose Initial Test
Well Fluid Type 01 Oil
H2S

Start Test Date 2013/06/03 Start Test Time 16:04:00
Final Test Date 2013/06/03 Final Test Time 21:33:00

Remarks

RECOVERED:
10' OSM 100% M (few oil specks)

TOOL SAMPLE:
100% M (few oil specks)



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: hellc5ADST4

TIME ON: 05:31
TIME OFF: 11:40

Company Ritchie Exploration Inc Lease & Well No. Hell Creek 5A
Contractor WW Rig #2 Charge to Ritchie Exploration Inc
Elevation 2805 KB Formation _____ Lan. K Effective Pay _____ Ft. Ticket No. S0344
Date 6-4-13 Sec. 5 Twp. _____ 16 S Range _____ 31 W County _____ Scott State KANSAS
Test Approved By Max Lovely Diamond Representative JACOB MCCALLIE

Formation Test No. 4 Interval Tested from 4082 ft. to 4124 ft. Total Depth 4124 ft.

Packer Depth 4077 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4082 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4070 ft. Recorder Number 8471 Cap. 10000 P.S.I.

Bottom Recorder Depth (Outside) 4121 ft. Recorder Number 3851 Cap. 5700 P.S.I.

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

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

Weight 9.1 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 3932 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 42 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: WSB- Died in 25 min **NOBB**

2nd Open: No Blow- flushed 8 min into open-1/4" Blow after flush-died in 14 min **NOBB**

Recovered 62 ft. of SLOSM 100% M (few oil specks)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Price Job

Other Charges

Insurance

TOOL SAMPLE: 100% M (few oil specks)

Total

Time Set Packer(s) 7:44 AM A.M. P.M. Time Started Off Bottom 9:44 AM A.M. P.M. Maximum Temperature 115

Initial Hydrostatic Pressure..... (A) 1946 P.S.I.

Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 13 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 929 P.S.I.

Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 40 P.S.I.

Final Closed In Period..... Minutes 30 (G) 908 P.S.I.

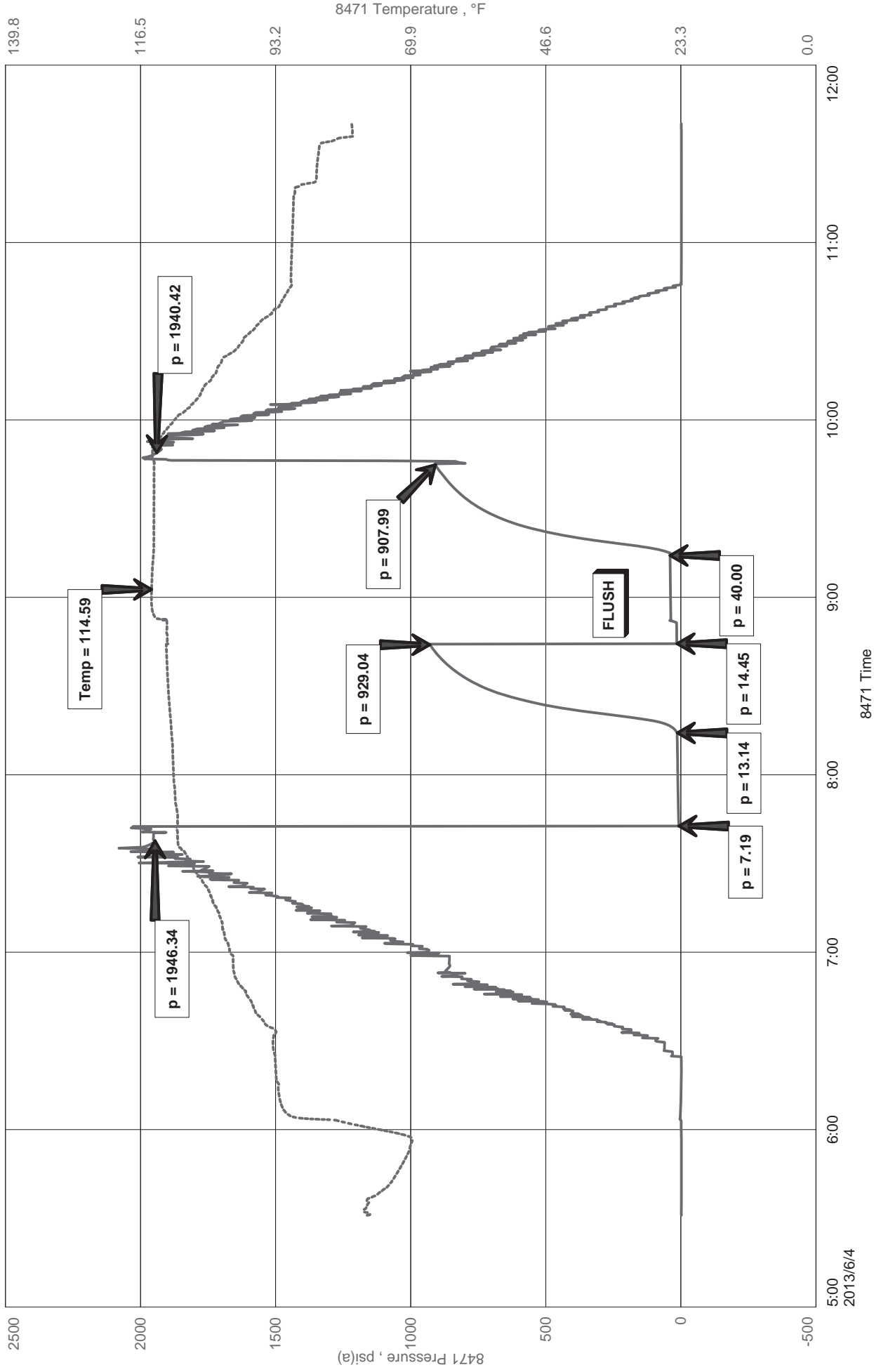
Final Hydrostatic Pressure..... (H) 1940 P.S.I.

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Ritchie Exploration Inc.
DST #4 Lan. K 4082-4124'
Start Test Date: 2013/06/04
Final Test Date: 2013/06/04

Hell Creek 5A
Formation: DST #4 Lan. K 4082-4124'
Pool: Wildcat
Job Number: S0344

Hell Creek 5A





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

Company Name Ritchie Exploration Inc.
Contact Justin Clegg
Well Name Hell Creek 5A
Unique Well ID DST #4 Lan. K 4082-4124'
Surface Location SEC 5-16S-31W Scott County
Field Wildcat

Test Information

Job Number S0344
Test Unit 3
Representative Jacob McCallie
Well Operator Ritchie Exploration Inc.
Report Date 2013/06/04
Test Type Drill Stem Test Prepared By Jacob McCallie
Formation DST #4 Lan. K 4082-4124' Qualified By Max Lovely
Test Purpose Initial Test
Well Fluid Type 01 Oil
H2S

Start Test Date 2013/06/04 Start Test Time 05:31:00
Final Test Date 2013/06/04 Final Test Time 11:40:00

Remarks

RECOVERED:
62' SLOSM 100% M (few oil specks)

TOOL SAMPLE:
100% M (few oil specks)



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: hellc5ADST5

TIME ON: 6-4 19:11
TIME OFF: 6-5 00:44

Company Ritchie Exploration Inc Lease & Well No. Hell Creek 5A
Contractor WW Rig #2 Charge to Ritchie Exploration Inc
Elevation 2805 KB Formation _____ Lan. L Effective Pay _____ Ft. Ticket No. S0345
Date 6-4-13 Sec. 5 Twp. _____ 16 S Range _____ 31 W County _____ Scott State KANSAS
Test Approved By Max Lovely Diamond Representative JACOB MCCALLIE

Formation Test No. 5 Interval Tested from 4122 ft. to 4163 ft. Total Depth 4163 ft.

Packer Depth 4117 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4122 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4110 ft. Recorder Number 8471 Cap. 10000 P.S.I.

Bottom Recorder Depth (Outside) 4160 ft. Recorder Number 3851 Cap. 5700 P.S.I.

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

Mud Type Chem Viscosity 49 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 3972 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 41 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: WSB- Died in 5 min NOBB

2nd Open: No Blow- No Build NOBB

Recovered 3 ft. of Mud 100% M

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% M

Time Set Packer(s) 8:59 PM A.M. P.M. Time Started Off Bottom 10:59 PM A.M. P.M. Maximum Temperature 113

Initial Hydrostatic Pressure..... (A) 1955 P.S.I.

Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 10 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 654 P.S.I.

Final Flow Period..... Minutes 30 (E) 9 P.S.I. to (F) 10 P.S.I.

Final Closed In Period..... Minutes 30 (G) 581 P.S.I.

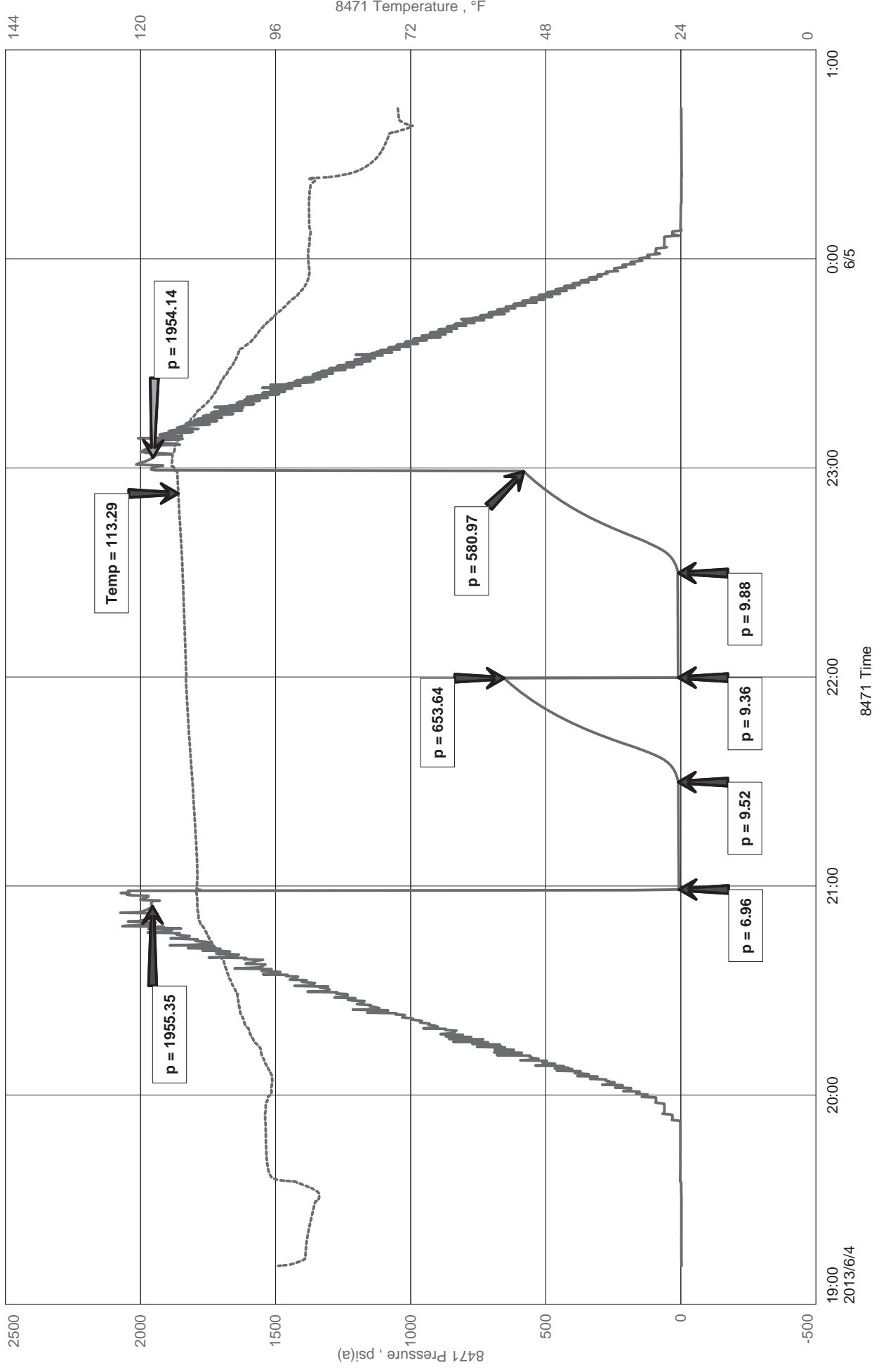
Final Hydrostatic Pressure..... (H) 1954 P.S.I.

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Ritchie Exploration Inc.
DST #5 Lan. L 4122-4163'
Start Test Date: 2013/06/04
Final Test Date: 2013/06/05

Hell Creek 5A
Formation: DST #5 Lan. L 4122-4163'
Pool: Wildcat
Job Number: S0345

Hell Creek 5A





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

Company Name Ritchie Exploration Inc.
Contact Justin Clegg
Well Name Hell Creek 5A
Unique Well ID DST #5 Lan. L 4122-4163'
Surface Location SEC 5-16S-31W Scott County
Field Wildcat

Test Information

Test Type	Drill Stem Test	Job Number	S0345
Formation	DST #5 Lan. L 4122-4163'	Test Unit	3
Test Purpose	Initial Test	Representative	Jacob McCallie
Well Fluid Type	01 Oil	Well Operator	Ritchie Exploration Inc.
H2S		Report Date	2013/06/04
		Prepared By	Jacob McCallie
		Qualified By	Max Lovely

Start Test Date	2013/06/04	Start Test Time	19:11:00
Final Test Date	2013/06/05	Final Test Time	00:44:00

Remarks

RECOVERED:

3' 100% M

TOOL SAMPLE:

100% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: hellc5Adst6

TIME ON: 09:36
TIME OFF: 17:41

Company Ritchie Exploration Inc Lease & Well No. Hell Creek 5A
Contractor WW Rig #2 Charge to Ritchie Exploration Inc
Elevation 2805 KB Formation Johnson Effective Pay Ft. Ticket No. S0346
Date 6-6-13 Sec. 5 Twp. 16 S Range 31 W County Scott State KANSAS
Test Approved By Max Lovely Diamond Representative JACOB MCCALLIE

Formation Test No. 6 Interval Tested from 4398 ft. to 4449 ft. Total Depth 4449 ft.

Packer Depth 4393 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 4398 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4379 ft. Recorder Number 8471 Cap. 10000 P.S.I.

Bottom Recorder Depth (Outside) 4446 ft. Recorder Number 3851 Cap. 5700 P.S.I.

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

Mud Type Chem Viscosity 49 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 4241 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 3 Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 51 (19p) 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: WSB- Built to 1 1/4" in 30 min NOBB

2nd Open: No Blow- Built to WSB in 45 min NOBB

Recovered 92' ft. of SLOSM 3% O 97% M

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

TOOL SAMPLE: 1% O 99% M

Time Set Packer(s) 12:53 PM A.M. P.M. Time Started Off Bottom 3:53 PM A.M. P.M. Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 2098 P.S.I.

Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 32 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1116 P.S.I.

Final Flow Period..... Minutes 45 (E) 35 P.S.I. to (F) 59 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1090 P.S.I.

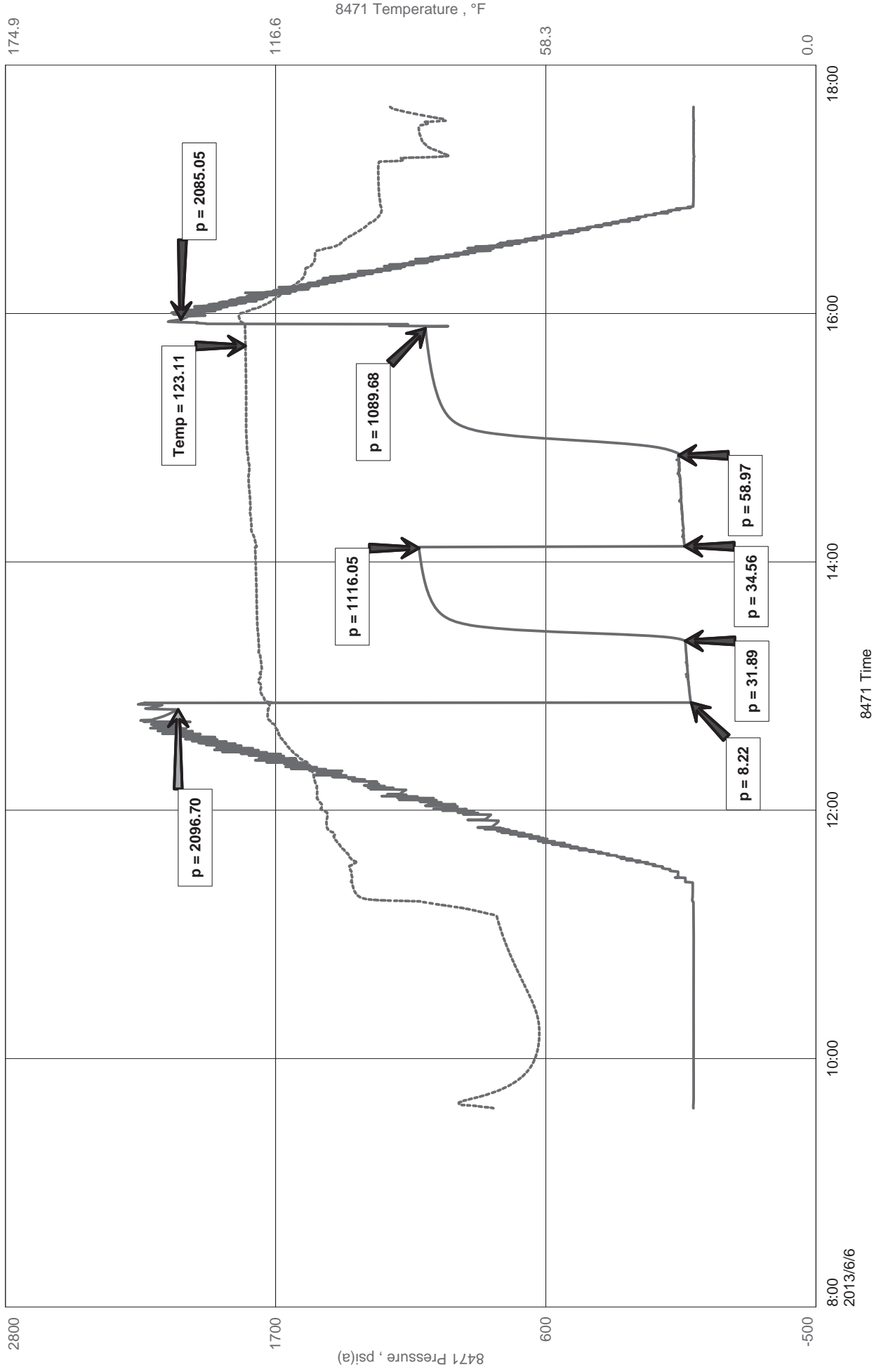
Final Hydrostatic Pressure..... (H) 2085 P.S.I.

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Ritchie Exploration Inc.
DST #6 Johnson 4398-4449'
Start Test Date: 2013/06/06
Final Test Date: 2013/06/06

Hell Creek 5A
Formation: DST #6 Johnson 4398-4449'
Pool: Wildcat
Job Number: S0346

Hell Creek 5A





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

Company Name Ritchie Exploration Inc.
Contact Justin Clegg
Well Name Hell Creek 5A
Unique Well ID DST #6 Johnson 4398-4449'
Surface Location SEC 5-16S-31W Scott County
Field Wildcat

Test Information

Test Type	Drill Stem Test	Job Number	S0346
Formation	DST #6 Johnson 4398-4449'	Test Unit	3
Test Purpose	Initial Test	Representative	Jacob McCallie
Well Fluid Type	01 Oil	Well Operator	Ritchie Exploration Inc.
H2S		Report Date	2013/06/06
		Prepared By	Jacob McCallie
		Qualified By	Max Lovely

Start Test Date	2013/06/06	Start Test Time	09:36:00
Final Test Date	2013/06/06	Final Test Time	17:41:00

Remarks

RECOVERED:

92' SLOSM 3% O 97% M

TOOL SAMPLE:

1% O 99% M