

DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name IMEL 5C #1
Unique Well ID DST #1, TORONTO, 4132-4160
Surface Location SEC 5-26S-22W, FORD CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, TORONTO, 3132-4160
Well Fluid Type 01 Oil

Start Test Date 2013/04/08
Final Test Date 2013/04/08

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/04/08
Prepared By TIM VENTERS
Qualified By DAVE WILLIAMS

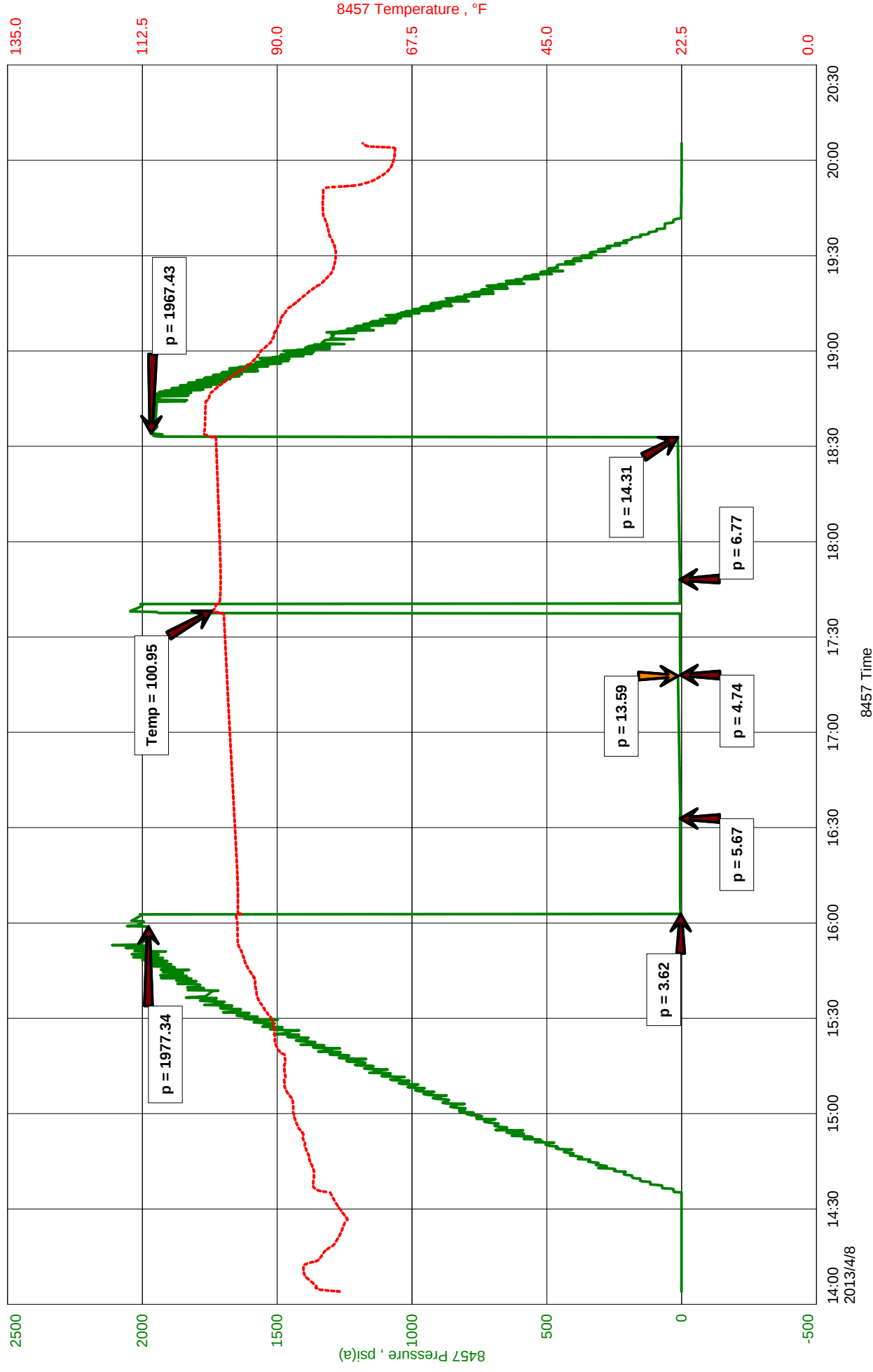
Start Test Time 14:04:00
Final Test Time 20:06:00

Test Recovery:

RECOVERED: 1' MUD

TOOL SAMPLE: 100% MUD

IMEL 5C #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: IMEL5C1DST1

TIME ON: 14:04
TIME OFF: 20:06

Company RITCHIE EXPLORATION, INC. Lease & Well No. IMEL 5C #1
Contractor VAL ENERGY, INC. RIG #1 Charge to RITCHIE EXPLORATION, INC.
Elevation 2441 KB Formation TORONTO Effective Pay _____ Ft. Ticket No. T188
Date 4-8-13 Sec. 5 Twp. 26 S Range 22 W County FORD State KANSAS
Test Approved By DAVE WILLIAMS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4132 ft. to 4160 ft. Total Depth 4160 ft.

Packer Depth 4127 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4132 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4113 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4157 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 50 Drill Collar Length _____ ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 11.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 7,000 P.P.M. Drill Pipe Length 4099 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 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: VERY WEAK SURFACE BLOW THROUGHOUT PERIOD. (NOBB)

2nd Open: VERY WEAK SURFACE BLOW, LASTING 10-15 MIN. (NOBB)

Recovered 1 ft. of MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: WE FLUSHED THE TOOL 20 MIN. INTO FINAL FLOW & JUST GOT SURGE BLOW.

WE HIT BRIDGE FIRST TRY ABOUT 990' DOWN.

TOOL SAMPLE: 100% MUD

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 4:02 PM A.M. P.M. Time Started Off Bottom 6:32 PM A.M. P.M. Maximum Temperature 101 deg.

Initial Hydrostatic Pressure..... (A) 1977 P.S.I.

Initial Flow Period..... Minutes 30 (B) 4 P.S.I. to (C) 6 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 14 P.S.I.

Final Flow Period..... Minutes 30 (E) 5 P.S.I. to (F) 7 P.S.I.

Final Closed In Period..... Minutes 45 (G) 14 P.S.I.

Final Hydrostatic Pressure..... (H) 1967 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 IMEL 5C #1
Unique Well ID DST #2, TORONTO, 4132-4160
Surface Location SEC 5-26S-22W, FORD CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, TORONTO, 3132-4160
Well Fluid Type 01 Oil

Start Test Date 2013/04/08
Final Test Date 2013/04/08

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/04/08
Prepared By TIM VENTERS
Qualified By DAVE WILLIAMS

Start Test Time 14:04:00
Final Test Time 20:06:00

Test Recovery:

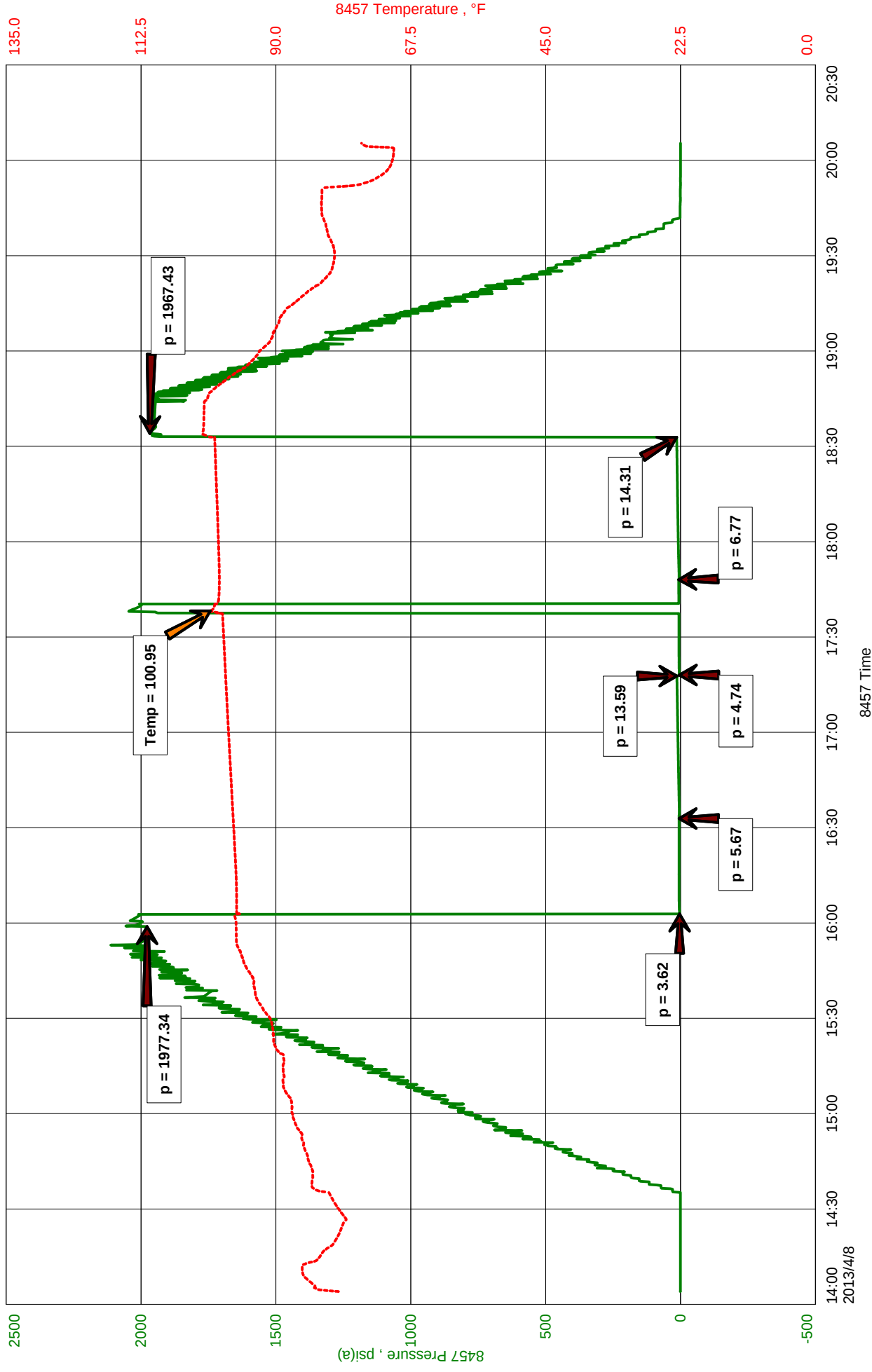
RECOVERED: 1' MUD

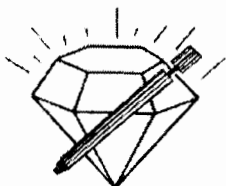
TOOL SAMPLE: 100% MUD

RITCHIE EXPLORATION, INC.
DST #2, TORONTO, 4132-4160
Start Test Date: 2013/04/08
Final Test Date: 2013/04/08

IMEL 5C #1
Formation: DST #2, TORONTO, 3132-4160
Pool: WILDCAT
Job Number: T188

IMEL 5C #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: IMEL5C1DST2

TIME ON: 14:04
TIME OFF: 20:06

Company RITCHIE EXPLORATION, INC. Lease & Well No. IMEL 5C #1
Contractor VAL ENERGY, INC. RIG #1 Charge to RITCHIE EXPLORATION, INC.
Elevation 2441 KB Formation TORONTO Effective Pay _____ Ft. Ticket No. T189
Date 4-8-13 Sec. 5 Twp. 26 S Range 22 W County FORD State KANSAS
Test Approved By DAVE WILLIAMS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4132 ft. to 4160 ft. Total Depth 4160 ft.
Packer Depth 4127 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4132 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4113 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4157 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 50 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 11.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 7,000 P.P.M. Drill Pipe Length 4099 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 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: VERY WEAK SURFACE BLOW THROUGHOUT PERIOD. (NOBB)
2nd Open: VERY WEAK SURFACE BLOW, LASTING 10-15 MIN. (NOBB)

Recovered 1 ft. of MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: WE FLUSHED THE TOOL 20 MIN. INTO FINAL FLOW & JUST GOT SURGE BLOW.

TOOL SAMPLE: 100% MUD

Price Job
Other Charges

Insurance

Total

Time Set Packer(s) 4:02 PM A.M. P.M. Time Started Off Bottom 6:32 PM A.M. P.M. Maximum Temperature 101 deg.

Initial Hydrostatic Pressure..... (A) 1977 P.S.I.
Initial Flow Period..... Minutes 30 (B) 4 P.S.I. to (C) 6 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 14 P.S.I.
Final Flow Period..... Minutes 30 (E) 5 P.S.I. to (F) 7 P.S.I.
Final Closed In Period..... Minutes 45 (G) 14 P.S.I.
Final Hydrostatic Pressure..... (H) 1967 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name IMEL 5C #1
Unique Well ID DST #3, ALTAMONT , 4654-4734
Surface Location SEC 5-26S-22W, FORD CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, ALTAMONT, 4654-4734
Well Fluid Type 01 Oil

Start Test Date 2013/04/10
Final Test Date 2013/04/11

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/04/11
Prepared By TIM VENTERS
Qualified By DAVE WILLIAMS

Start Test Time 23:30:00
Final Test Time 07:18:00

Test Recovery:

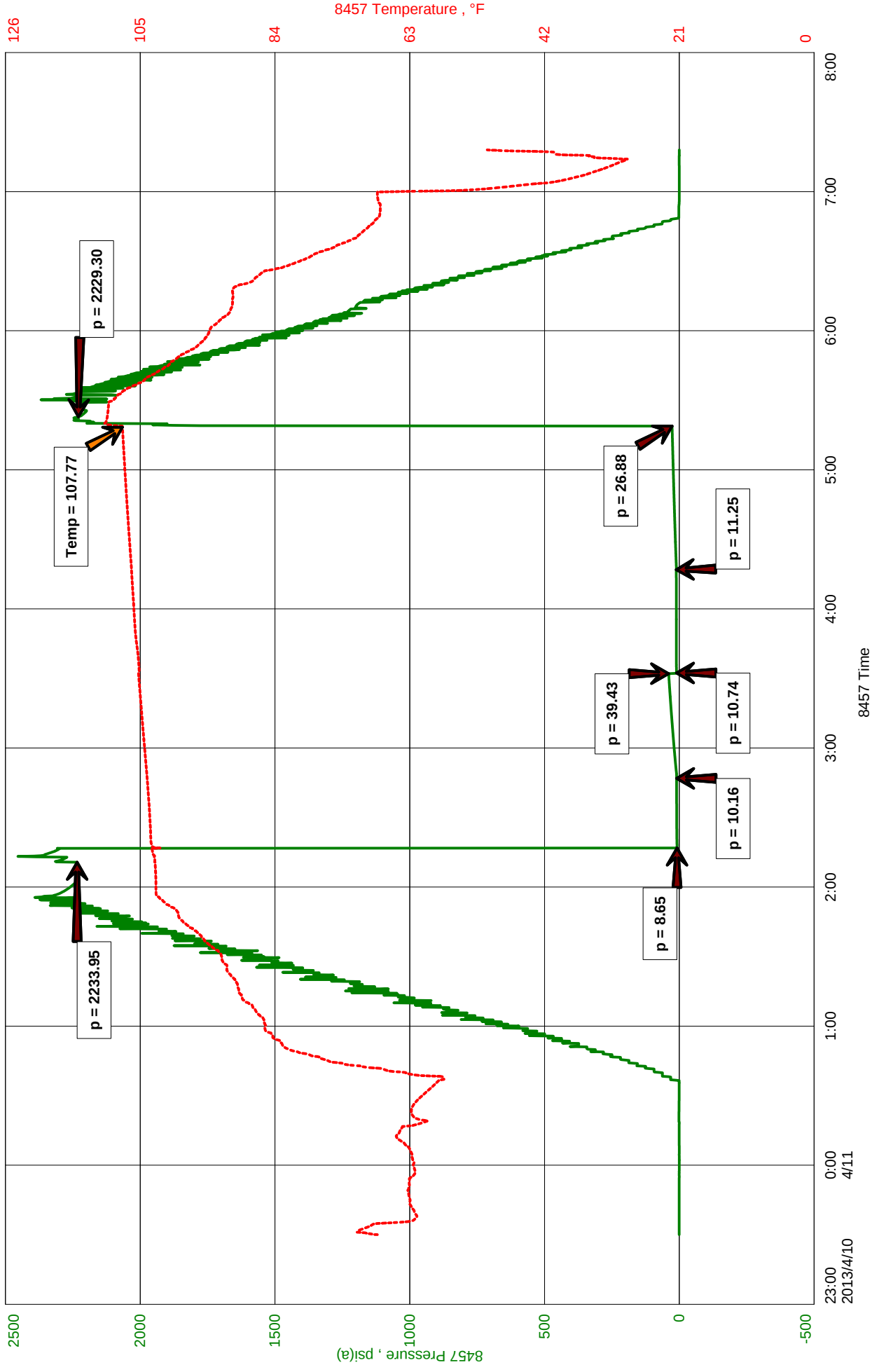
RECOVERED: 10' MUD

TOOL SAMPLE: 100% MUD

RITCHIE EXPLORATION, INC.
DST #3, ALTAMONT , 4654-4734
Start Test Date: 2013/04/10
Final Test Date: 2013/04/11

IMEL 5C #1
Formation: DST #3, ALTAMONT, 4654-4734
Pool: WILDCAT
Job Number: T190

IMEL 5C #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: IMEL5C1DST3

TIME ON: 23:30 4-10-13

TIME OFF: 07:18

Company RITCHIE EXPLORATION, INC. Lease & Well No. IMEL 5C #1
Contractor VAL ENERGY, INC. RIG #1 Charge to RITCHIE EXPLORATION, INC.
Elevation 2441 KB Formation ALTAMONT "A,B,&C" Effective Pay _____ Ft. Ticket No. T190
Date 4-11-13 Sec. 5 Twp. 26 S Range 22 W County FORD State KANSAS
Test Approved By DAVE WILLIAMS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 4654 ft. to 4734 ft. Total Depth 4734 ft.

Packer Depth 4649 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4654 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4635 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4731 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 _____ ft. I.D. 2 1/4 in.

Weight 9.35 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 5,300 P.P.M. Drill Pipe Length 4621 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 17 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 3/4 INCH. (NOBB)

2nd Open: WEAK SURFACE BLOW THROUGHOUT PERIOD. (NOBB)

Recovered 10 ft. of MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% MUD

Time Set Packer(s) 2:16 AM A.M. P.M. Time Started Off Bottom 5:18 AM A.M. P.M. Maximum Temperature 108 deg.

Initial Hydrostatic Pressure..... (A) 2234 P.S.I.

Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 10 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 39 P.S.I.

Final Flow Period..... Minutes 45 (E) 11 P.S.I. to (F) 11 P.S.I.

Final Closed In Period..... Minutes 62 (G) 27 P.S.I.

Final Hydrostatic Pressure..... (H) 2229 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name IMEL 5C #1
Unique Well ID DST #4, CHER.-HUCK, 4795-4894
Surface Location SEC 5-26S-22W, FORD CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #4, CHER.-HUCK, 4795-4894
Well Fluid Type 01 Oil

Start Test Date 2013/04/12
Final Test Date 2013/04/12

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2013/04/12
Prepared By TIM VENTERS
Qualified By DAVE WILLIAMS

Start Test Time 09:38:00
Final Test Time 16:25:00

Test Recovery:

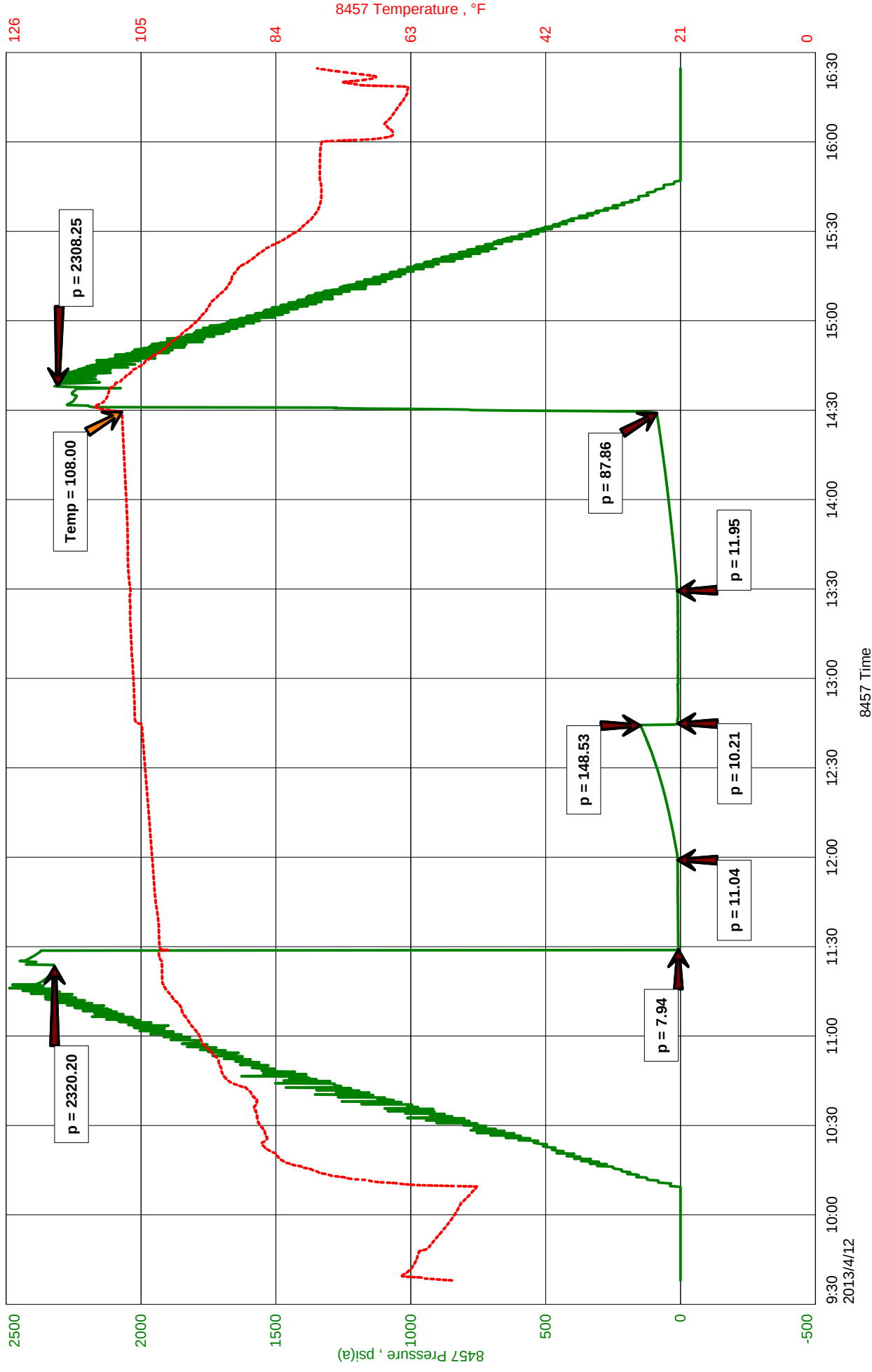
RECOVERED: 15' MW/TR. O, TRACE OIL, 100% MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

RITCHIE EXPLORATION, INC.
 DST #4, CHER.-HUCK, 4795-4894
 Start Test Date: 2013/04/12
 Final Test Date: 2013/04/12

IMEL 5C #1
 Formation: DST #4, CHER.-HUCK, 4795-4894
 Pool: WILDCAT
 Job Number: T191

IMEL 5C #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: IMEL5C1DST4

TIME ON: 09:38
TIME OFF: 16:25

Company RITCHIE EXPLORATION, INC. Lease & Well No. IMEL 5C #1
Contractor VAL ENERGY, INC. RIG #1 Charge to RITCHIE EXPLORATION, INC.
Elevation 2441 KB Formation CHEROKEE-HUCK Effective Pay _____ Ft. Ticket No. T191
Date 4-12-13 Sec. 5 Twp. 26 S Range 22 W County FORD State KANSAS
Test Approved By DAVE WILLIAMS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4795 ft. to 4894 ft. Total Depth 4894 ft.
Packer Depth 4790 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4795 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4776 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4891 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 67 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.25 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,500 P.P.M. Drill Pipe Length 4762 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 36 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 3/4 INCH. (NOBB)
2nd Open: WEAK SURFACE BLOW, BUILDING TO 1 1/4 INCHES. (NOBB)

Recovered 15 ft. of MW/TR.O, TRACE 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) 11:28 AM A.M. P.M. Time Started Off Bottom 2:28 PM A.M. P.M. Maximum Temperature 108 deg.

Initial Hydrostatic Pressure _____ (A) 2320 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 8 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 149 P.S.I.

Final Flow Period _____ Minutes 45 (E) 10 P.S.I. to (F) 12 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 88 P.S.I.

Final Hydrostatic Pressure _____ (H) 2308 P.S.I.

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