

DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name LAMPE-HESKAMP #1
Unique Well ID DST #1, ALTAMONT, 4634-4706
Surface Location SEC 3-26S-22W, FORD CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation ALTAMONT
Well Fluid Type 01 Oil

Start Test Date 2012/04/20
Final Test Date 2012/04/20

Representative TIM VENTERS
Well Operator MURFIN DRILLING CO. INC. RIG #22
Report Date 2012/04/20
Prepared By TIM VENTERS
Qualified By MAX LOVELY

Start Test Time 15:46:00
Final Test Time 18:13:00

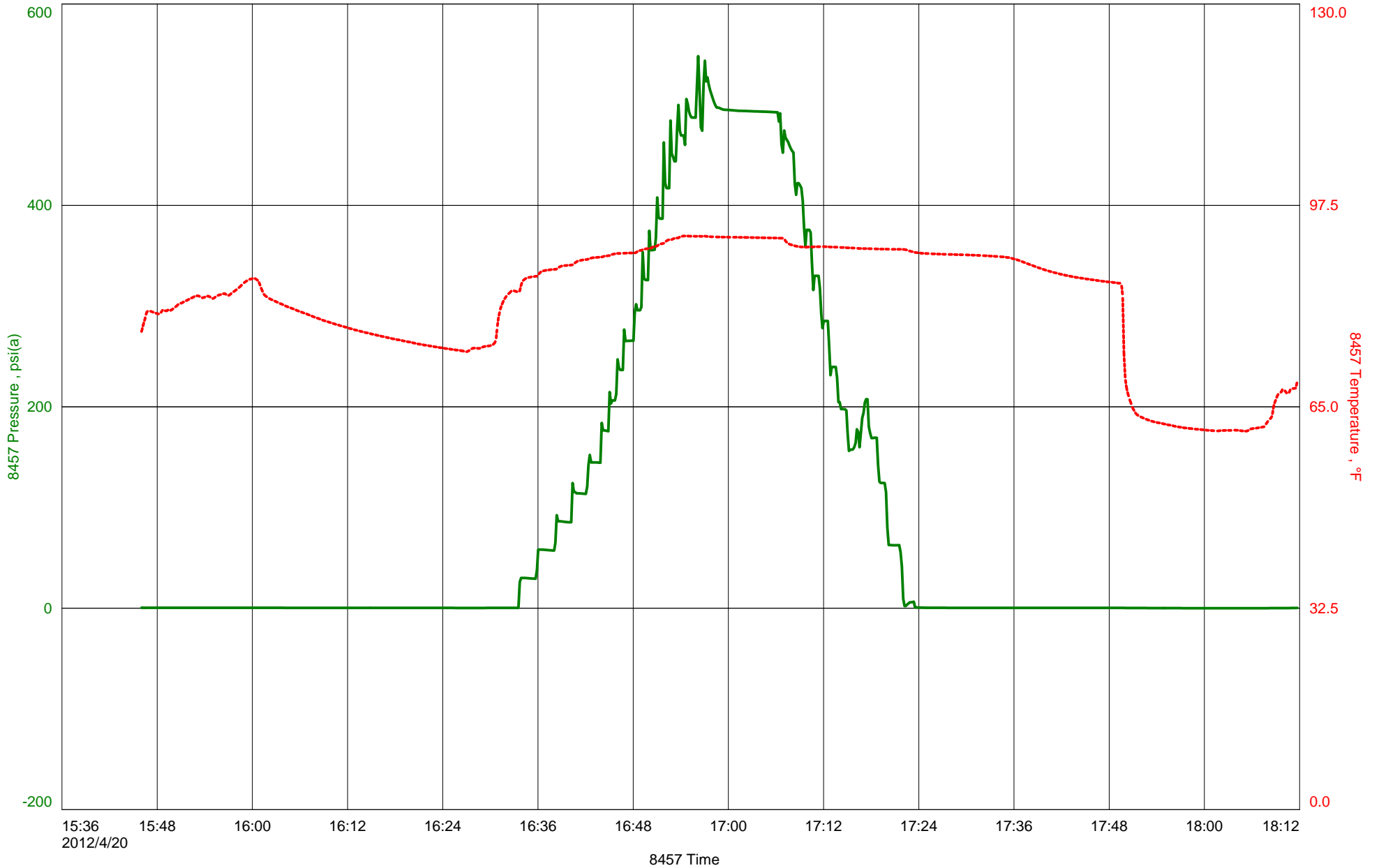
Test Recovery:

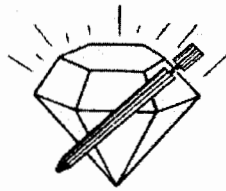
HIT A BRIDGE ABOUT 1070' DOWN.

RITCHIE EXPLORATION, INC.
DST #1, ALTAMONT, 4634-4706
Start Test Date: 2012/04/20
Final Test Date: 2012/04/20

LAMPE-HESKAMP #1
Formation: ALTAMONT
Pool: WILDCAT
Job Number: T042

LAMPE-HESKAMP #1





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

TIME ON: 15:46
TIME OFF: 18:13

DRILL-STEM TEST TICKET
FILE: LAMPE-HESKAMP1DST1

Company RITCHIE EXPLORATION, INC. Lease & Well No. LAMPE-HESKAMP #1
Contractor MURFIN DRILLING CO. INC. RIG #22 Charge to RITCHIE EXPLORATION, INC.
Elevation 2417 KB Formation ALTAMONT Effective Pay _____ Ft. Ticket No. T042
Date 4-20-12 Sec. 3 Twp. _____ 26 S Range _____ 22 W County FORD State KANSAS
Test Approved By MAX LOVELY Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4634 ft. to 4706 ft. Total Depth 4706 ft.
Packer Depth 4629 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4634 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4615 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4703 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 55 Drill Collar Length 235 ft. I.D. 2 1/4 in.
Weight 9.35 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,400 P.P.M. Drill Pipe Length 4366 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 40 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open:

2nd Open:

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>HIT A BRIDGE ABOUT 1070' DOWN.</u>	Insurance
_____	Total

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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 LAMPE-HESKAMP #1
Unique Well ID DST #2, ALTAMONT, 4634-4706
Surface Location SEC 3-26S-22W, FORD CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, ALTAMONT, 4634-4706
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2012/04/21
Prepared By TIM VENTERS
Qualified By MAX LOVELY

Start Test Date 2012/04/20
Final Test Date 2012/04/21

Start Test Time 23:18:00
Final Test Time 10:17:00

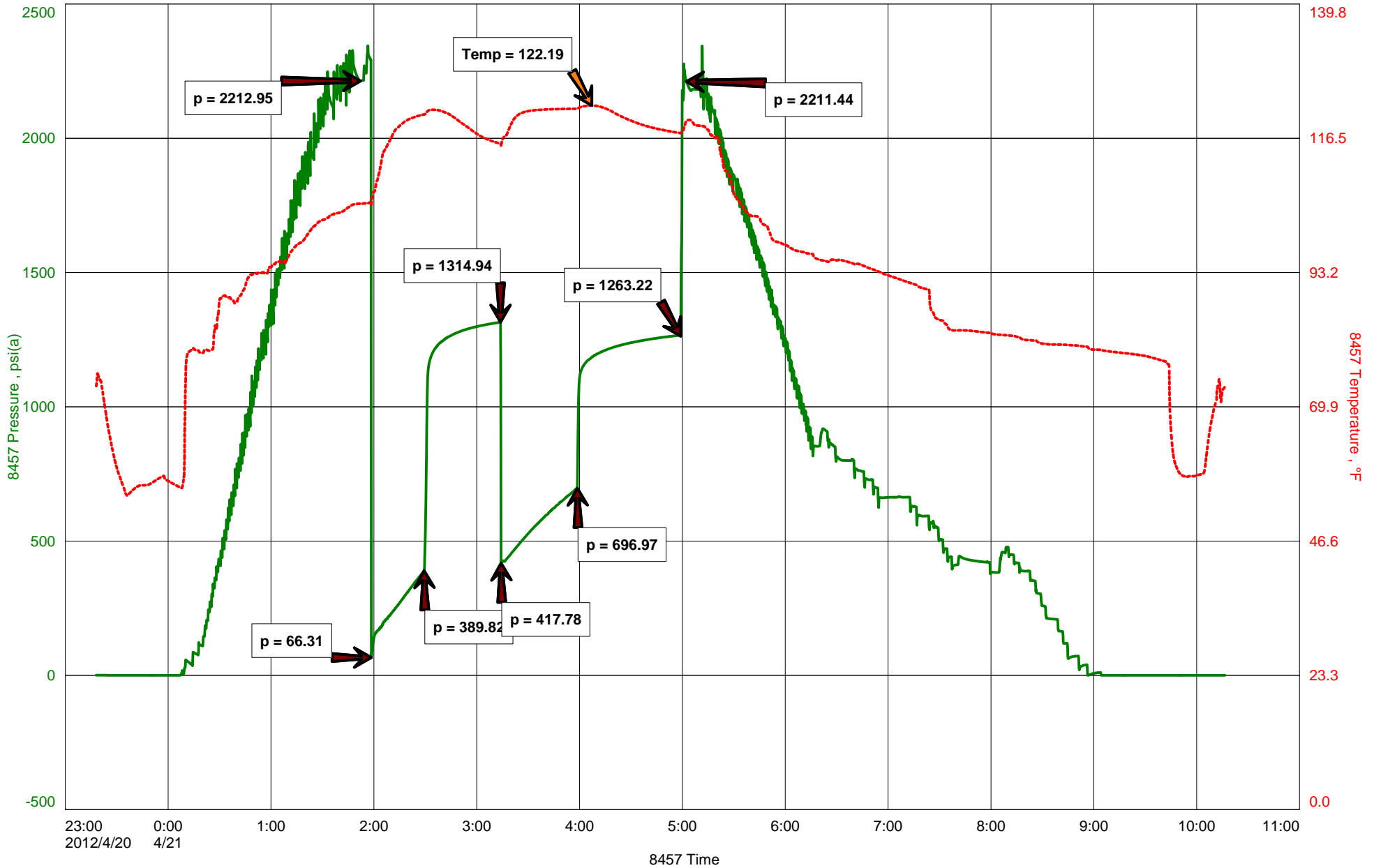
Test Recovery:

WE GOT GAS TO SURFACE DURING THE FINAL SHUT-IN PERIOD.

RECOVERED: 2725' GAS IN PIPE
1875' G,SMCO, 19% GAS, 74% OIL, 7% MUD, GRAVITY: 20

TOOL SAMPLE: GAS BLEW IT OUT

LAMPE-HESKAMP #1





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

TIME ON: 23:18 4-20-12
TIME OFF: 10:17 4-21-12

DRILL-STEM TEST TICKET
FILE: LAMPE-HESKAMP1DST2

Company RITCHIE EXPLORATION, INC. Lease & Well No. LAMPE-HESKAMP #1
Contractor MURFIN DRILLING CO. INC. RIG #22 Charge to RITCHIE EXPLORATION, INC.
Elevation 2417 KB Formation ALTAMONT Effective Pay _____ Ft. Ticket No. T043
Date 4-21-12 Sec. 3 Twp. 26 S Range 22 W County FORD State KANSAS
Test Approved By MAX LOVELY Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4634 ft. to 4706 ft. Total Depth 4706 ft.
Packer Depth 4629 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4634 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4615 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4703 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 55 Drill Collar Length 235 ft. I.D. 2 1/4 in.
Weight 9.35 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,400 P.P.M. Drill Pipe Length 4366 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 40 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 2 INCH BLOW, BUILDING, REACHING BOB 2 1/4 MIN. (7 1/2"BB)
2nd Open: GOOD 1 1/2 INCH BLOW, BUILDING, REACHING BOB 3 1/2 MIN. (BOBBB)

Recovered 2725 ft. of GAS IN PIPE
Recovered 1875 ft. of G,SMCO, 19% GAS, 74% OIL, 7% MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>WE GOT GAS TO SURFACE DURING THE FINAL SHUT-IN PERIOD.</u>	Insurance
TOOL SAMPLE: <u>GAS BLEW OUT</u>	Total

Time Set Packer(s) 1:58 AM A.M. P.M. Time Started Off Bottom 4:58 AM A.M. P.M. Maximum Temperature 122 deg.
Initial Hydrostatic Pressure..... (A) 2213 P.S.I.
Initial Flow Period..... Minutes 30 (B) 66 P.S.I. to (C) 390 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1315 P.S.I.
Final Flow Period..... Minutes 45 (E) 418 P.S.I. to (F) 697 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1263 P.S.I.
Final Hydrostatic Pressure..... (H) 2211 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name LAMPE-HESKAMP #1
Unique Well ID DST #3, CHEROKEE, 4793-4836
Surface Location SEC 3-26S-22W, FORD CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, CHEROKEE, 4793-4836
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2012/04/22
Prepared By TIM VENTERS
Qualified By MAX LOVELY

Start Test Date 2012/04/22
Final Test Date 2012/04/22

Start Test Time 02:47:00
Final Test Time 10:44:00

Test Recovery:

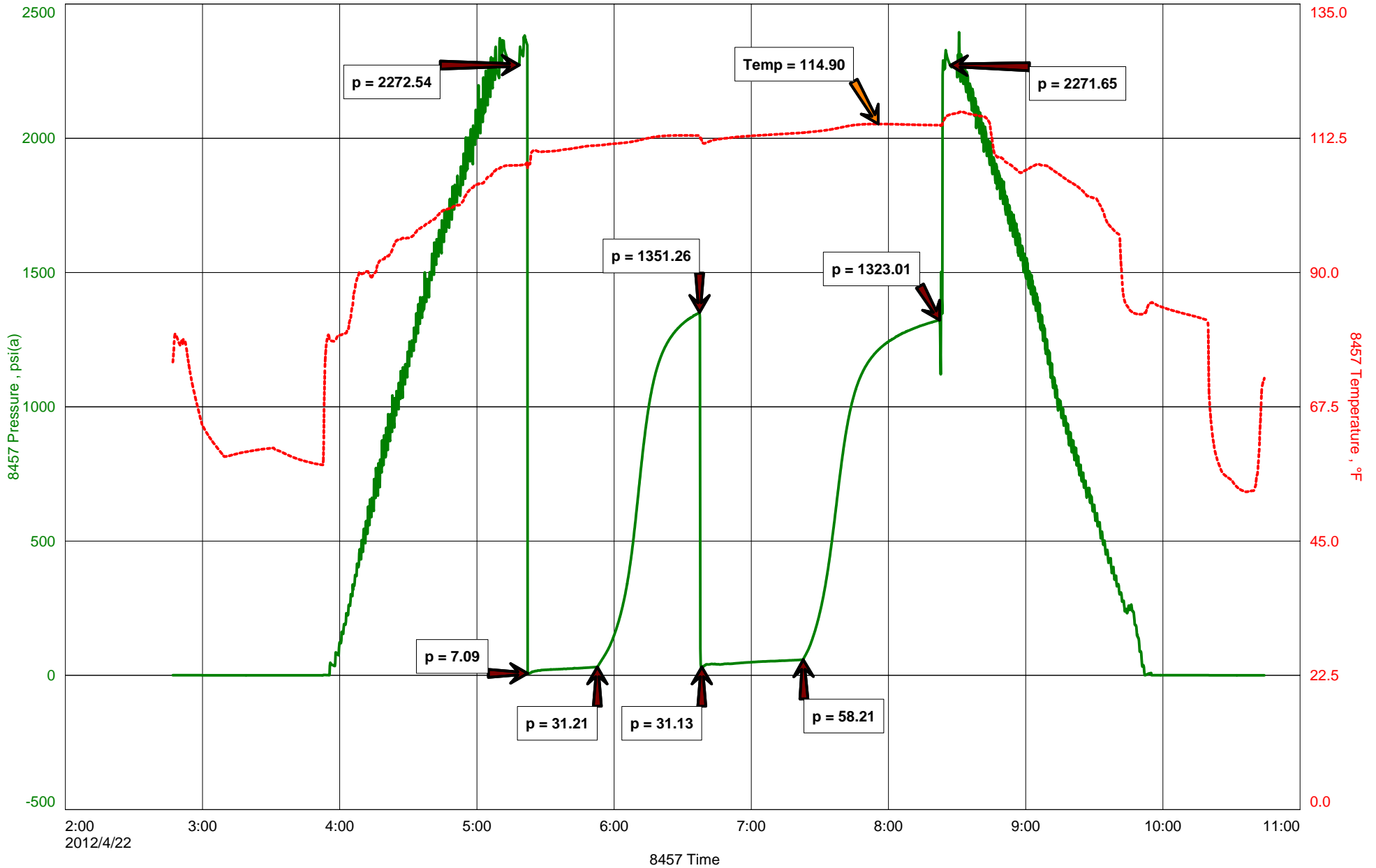
RECOVERED: 810' GAS IN PIPE

60' GSWHMCO, 17% GAS, 44% OIL, 6% WATER, 33% MUD
60' G, SW&MCO, 15% GAS, 68% OIL, 11% WATER, 6% MUD
120' TOTAL FLUID

TOOL SAMPLE: 99% OIL, 1% MUD, GRAVITY: 34

CHLORIDES: 15,000 ppm
PH: 7.5
RW: .35 @ 79 deg.

LAMPE-HESKAMP #1





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

TIME ON: 02:47

TIME OFF: 10:44

DRILL-STEM TEST TICKET
FILE: LAMPE-HESKAMP1DST3

Company RITCHIE EXPLORATION, INC. Lease & Well No. LAMPE-HESKAMP #1
Contractor MURFIN DRILLING CO. INC. RIG #22 Charge to RITCHIE EXPLORATION, INC.
Elevation 2417 KB Formation CHEROKEE Effective Pay _____ Ft. Ticket No. T044
Date 4-22-12 Sec. 3 Twp. 26 S Range 22 W County FORD State KANSAS
Test Approved By MAX LOVELY Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 4793 ft. to 4836 ft. Total Depth 4836 ft.
Packer Depth 4788 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4793 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4774 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4833 ft. Recorder Number 11029 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 235 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 8,400 P.P.M. Drill Pipe Length 4525 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 43 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, REACHING BOB 20 MIN. (NOBB)
2nd Open: STRONG 6 INCH BLOW, BUILDING, REACHING BOB 6 MIN. (NOBB)

Recovered 810 ft. of GAS IN PIPE
Recovered 60 ft. of G,SWHMCO, 17% GAS, 44% OIL, 6% WATER, 33% MUD
Recovered 60 ft. of G,SW&MCO 15% GAS, 68% OIL, 11% WATER, 6% MUD

Recovered _____ ft. of _____	CHLORIDES: 15,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 7.5	Other Charges
Remarks: _____	RW: .35 @ 79 deg.	Insurance
TOOL SAMPLE: 99% OIL 1% MUD GRAVITY: 34		Total

Time Set Packer(s) 5:21 AM A.M. P.M. Time Started Off Bottom 8:21 AM A.M. P.M. Maximum Temperature 115 deg.
Initial Hydrostatic Pressure (A) 2273 P.S.I.
Initial Flow Period Minutes 30 (B) 7 P.S.I. to (C) 31 P.S.I.
Initial Closed In Period Minutes 45 (D) 1351 P.S.I.
Final Flow Period Minutes 45 (E) 31 P.S.I. to (F) 58 P.S.I.
Final Closed In Period Minutes 60 (G) 1323 P.S.I.
Final Hydrostatic Pressure (H) 2272 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name RITCHIE EXPLORATION, INC.
Contact JUSTIN CLEGG
Well Name LAMPE-HESKAMP #1
Unique Well ID DST #4, HUCK, 4833-4862
Surface Location SEC 3-26S-22W FORD CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #4, HUCK, 4833-4862
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RITCHIE EXPLORATION, INC.
Report Date 2012/04/23
Prepared By TIM VENTERS
Qualified By MAX LOVELY

Start Test Date 2012/04/22
Final Test Date 2012/04/23

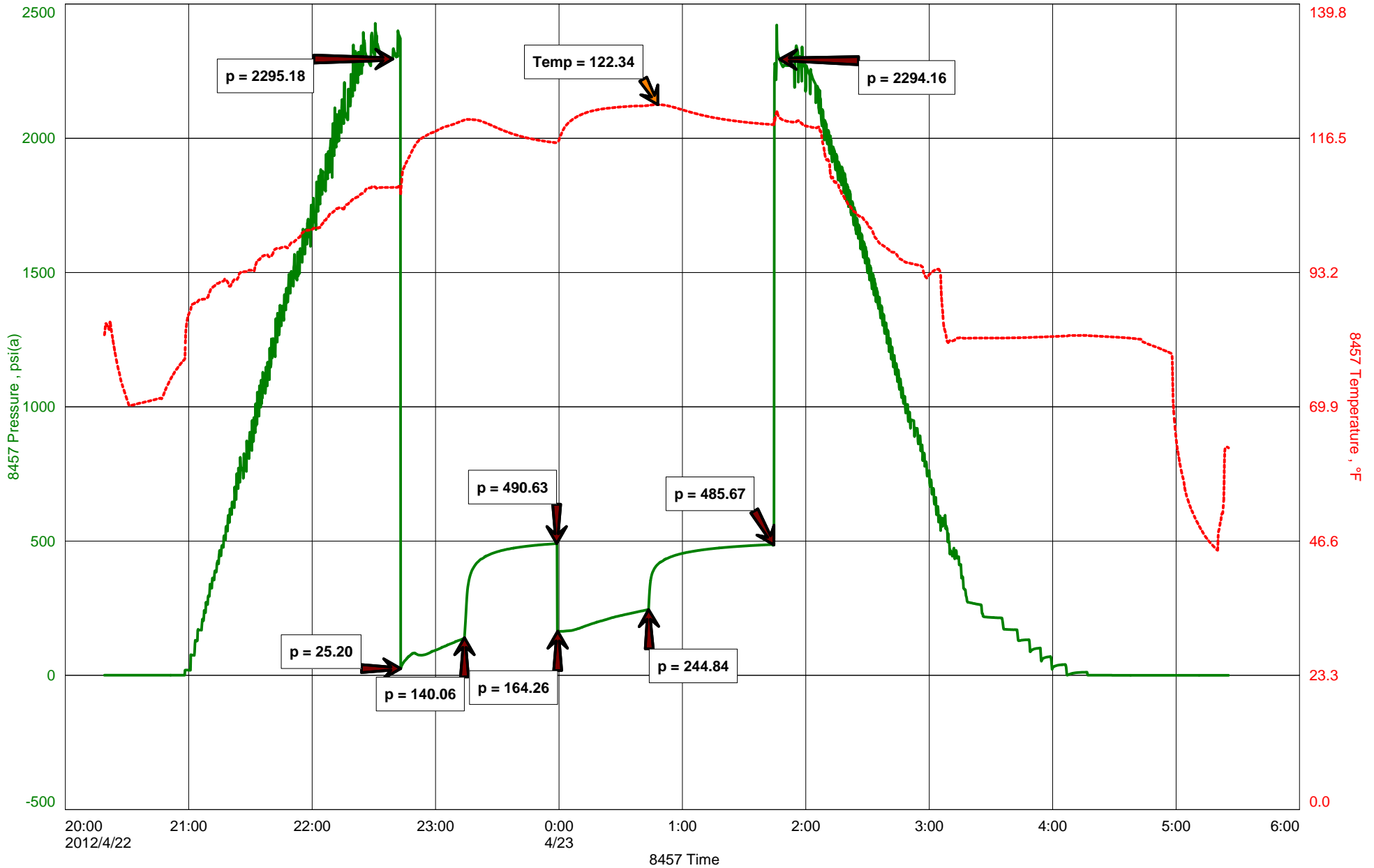
Start Test Time 20:19:00
Final Test Time 05:26:00

Test Recovery:

RECOVERED: 1840' GAS IN PIPE
300' GO, 3% GAS, 97% OIL, OIL GRAVITY: 35
365' G,MCO, 7% GAS, 80% OIL, 13% MUD
665' TOTAL FLUID

TOOL SAMPLE: 3% GAS, 95% OIL, 2% MUD

LAMPE-HESKAMP #1





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

TIME ON: 20:19 4-22-12

TIME OFF: 0526 4-23-12

DRILL-STEM TEST TICKET
FILE: LAMPE-HESKAMP1DST4

Company RITCHIE EXPLORATION, INC. Lease & Well No. LAMPE-HESKAMP #1
Contractor MURFIN DRILLING CO. INC. RIG #22 Charge to RITCHIE EXPLORATION, INC.
Elevation 2417 KB Formation HUCK Effective Pay _____ Ft. Ticket No. T045
Date 4-22-12 Sec. 3 Twp. _____ 26 S Range _____ 22 W County FORD State KANSAS
Test Approved By MAX LOVELY Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4833 ft. to 4862 ft. Total Depth 4862 ft.
Packer Depth 4828 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4833 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4821 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4859 ft. Recorder Number 11029 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 235 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 8,400 P.P.M. Drill Pipe Length 4572 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ 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: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 5 1/2 MIN. (1 1/2"BB)
2nd Open: WEAK SURFACE BLOW, BUILDING, REACHING BOB 13 MIN (1"BB)

Recovered 1840 ft. of GAS IN PIPE
Recovered 300 ft. of GO, 3% GAS, 97% OIL
Recovered 365 ft. of G,MCO 7% GAS, 80% OIL, 13% MUD

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: <u>3% GAS, 95% OIL, 2% MUD</u>	Total

Time Set Packer(s) 10:43 PM A.M. P.M. Time Started Off Bottom 1:23 AM A.M. P.M. Maximum Temperature 122 deg.
Initial Hydrostatic Pressure..... (A) 2295 P.S.I.
Initial Flow Period..... Minutes 30 (B) 25 P.S.I. to (C) 140 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 491 P.S.I.
Final Flow Period..... Minutes 45 (E) 164 P.S.I. to (F) 245 P.S.I.
Final Closed In Period..... Minutes 60 (G) 486 P.S.I.
Final Hydrostatic Pressure..... (H) 2294 P.S.I.

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