

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	M315
Well Name	WYCOFF UNIT #1	Representative	MIKE COCHRAN
Unique Well ID	DST#1 4586-4611 MARMATON	Well Operator	RITCHIE EXPLORATION, INC.
Surface Location	SEC.2-26S-22W FORD CO.KS.	Report Date	2012/05/03
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	TERRY McLEOD
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 4586-4611 MARMATON		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/05/02	Start Test Time	23:35:00
Final Test Date	2012/05/03	Final Test Time	08:10:00
		Well Fluid Type	01 Oil
Gauge Name	30037		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

1260' GIP
60' GWMCO 10% GAS, 53% OIL, 20% EMULSIFIED OIL, 12% WATER, 5% MUD
315' GOCMW 23% GAS, 19% EMULSIFIED OIL, 30% WTR, 28% MUD
1055' GSOSMW 4% GAS, 91% WTR, 5% MUD, A THIN SCUM OF OIL (819'DP,236'DC)
1430' TOTAL FLUID

CHLOR: 85,000 PPM
PH: 7.0
RW: .09 @ 70 DEG

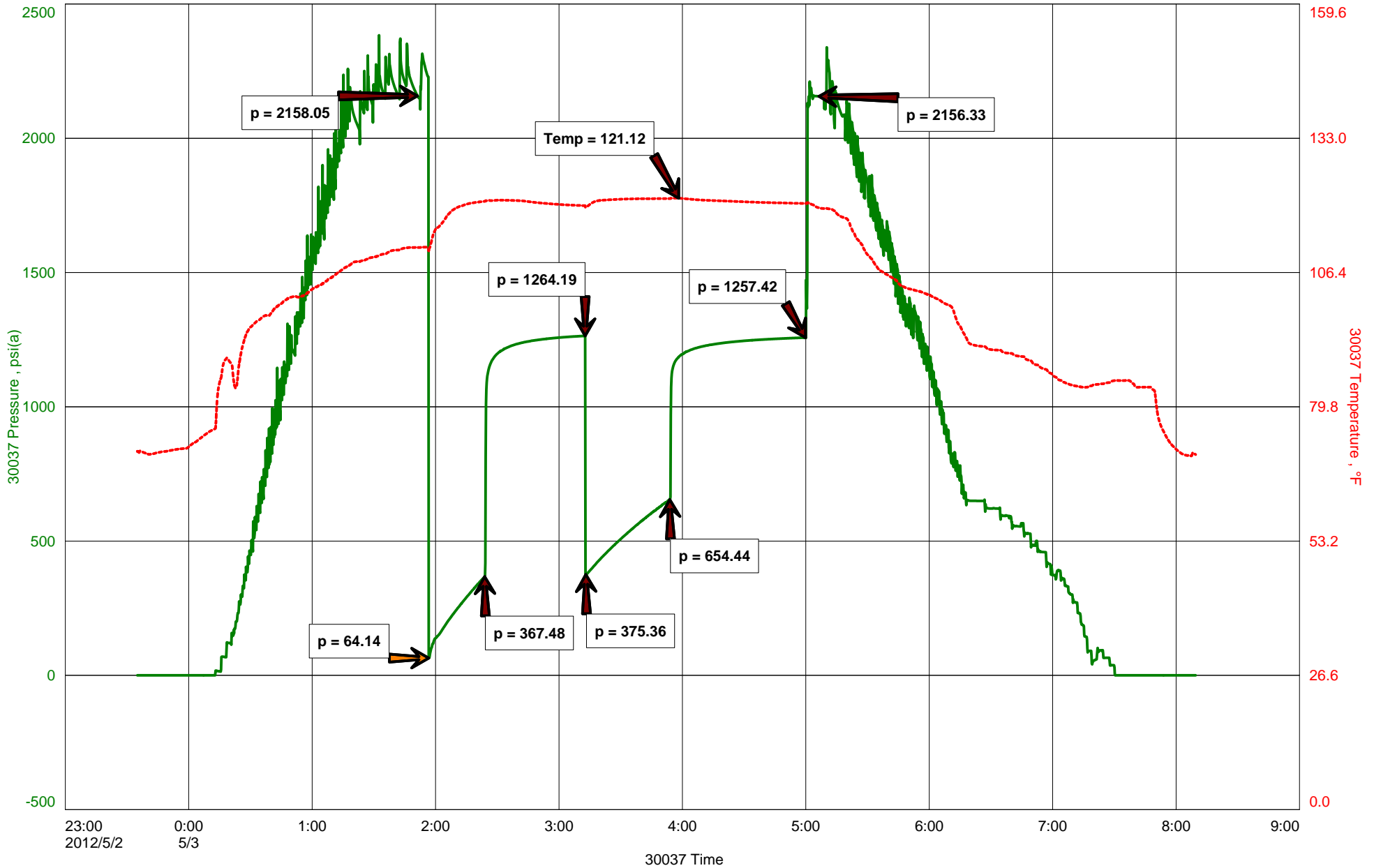
GRAVITY: 18.0 @ 60

TOOL SAMPLE: 2% GAS, 4% OIL, 92% WTR, 2% MUD

RITCHIE EXPLORATION, INC.
DST#1 4586-4611 MARMATON
Start Test Date: 2012/05/02
Final Test Date: 2012/05/03

WYCOFF UNIT #1
Formation: DST#1 4586-4611 MARMATON
Pool: WILDCAT
Job Number: M315

WYCOFF UNIT #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WYCOFFUNT1DST1

TIME ON: 2335 (5/2)
TIME OFF: 0810 (5/3)

Company RITCHIE EXPLORATION, INC. Lease & Well No. WYCOFF UNIT #1
Contractor MURPHIN 22 Charge to RITCHIE EXPLORATION, INC.
Elevation 2398 KB Formation MARMATON Effective Pay _____ Ft. Ticket No. M315
Date 5/2/2012 Sec. 2 Twp. 26 S Range 22 W County FORD State KANSAS
Test Approved By TERRY McLEOD Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 4586 ft. to 4611 ft. Total Depth 4611 ft.
Packer Depth 4581 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4586 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4568 ft. Recorder Number 30037 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4608 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEM Viscosity 60 Drill Collar Length 236 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,400 P.P.M. Drill Pipe Length 4318 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 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: SSB, BOB 3 MIN. (BOB BB 15 MIN)
2nd Open: SSB, BOB 6 MIN (BOB BB 15 MIN)

Recovered <u>1260 ft.</u> of <u>GIP</u>	GRAVITY: <u>18.0 @ 60°</u>
Recovered <u>60 ft.</u> of <u>GWMCO 10% GAS, 53% OIL, 20% EMULSIFIED OIL, 12% WATER, 5% MUD</u>	
Recovered <u>315 ft.</u> of <u>GOCMW 23% GAS, 19% EMULSIFIED OIL, 30% WTR, 28% MUD</u>	
Recovered <u>1055 ft.</u> of <u>GSOSMW 4% GAS, 91% WTR, 5% MUD, A THIN SCUM OF OIL (819'DP,236'DC)</u>	
Recovered <u>1430 ft.</u> of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of <u>PH: 7.0</u>	Other Charges
Remarks: <u>RW: .09 @ 70°</u>	Insurance
<u>CHLOR: 85,000 PPM</u>	
<u>TOOL SAMPLE: 2% GAS, 4% OIL, 92% WTR, 2% MUD</u>	Total

Time Set Packer(s) 2:00 A.M. A.M. P.M. Time Started Off Bottom 5:00 A.M. A.M. P.M. Maximum Temperature 121
Initial Hydrostatic Pressure..... (A) 2158 P.S.I.
Initial Flow Period..... Minutes 30 (B) 64 P.S.I. to (C) 367 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1264 P.S.I.
Final Flow Period..... Minutes 45 (E) 375 P.S.I. to (F) 654 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1257 P.S.I.
Final Hydrostatic Pressure..... (H) 2156 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

Pressure Survey Report

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	M316
Well Name	WYCOFF UNIT #1	Representative	MIKE COCHRAN
Unique Well ID	DST#2 4647-4690 ALTAMONT"B"	Well Operator	RITCHIE EXPLORATION, INC.
Surface Location	SEC.2-26S-22W FORD CO.KS.	Report Date	2012/05/04
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	TERRY McLEOD
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 4647-4690 ALTAMONT"B"		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/05/03	Start Test Time	19:45:00
Final Test Date	2012/05/04	Final Test Time	03:50:00
		Well Fluid Type	01 Oil
Gauge Name	30037		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
180' GHOCM 15% GAS, 40% OIL, 45% MUD
180' TOTAL FLUID

TOOL SAMPLE: 20% GAS, 56% OIL, 24% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WYCOFFUNT1DST2

TIME ON: 1945 (5/3)
TIME OFF: 0350 (5/4)

Company RITCHIE EXPLORATION, INC. Lease & Well No. WYCOFF UNIT #1
Contractor MURPHIN 22 Charge to RITCHIE EXPLORATION, INC.
Elevation 2398 KB Formation ALTAMONT"B" Effective Pay _____ Ft. Ticket No. M316
Date 5/3/2012 Sec. 2 Twp. _____ 26 S Range _____ 22 W County FORD State KANSAS
Test Approved By TERRY McLEOD Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 4647 ft. to 4690 ft. Total Depth 4690 ft.
Packer Depth 4642 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4647 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4629 ft. Recorder Number 30037 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4687 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEM Viscosity 60 Drill Collar Length 236 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 12.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,400 P.P.M. Drill Pipe Length 4379 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 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. (31' D.P.) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GSB, BOB 16 MIN (VWSBB)
2nd Open: SSB, BOB 4 MIN (VW 1/4" BB)

Recovered 180 ft. of GHOCM 15% GAS, 40% OIL, 45% MUD
Recovered 180 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____
TOOL SAMPLE: 20% GAS, 56% OIL, 24% MUD

Time Set Packer(s) <u>10:00 P.M.</u> A.M. P.M.	Time Started Off Bottom <u>1:00 A.M.</u> A.M. P.M.	Maximum Temperature <u>116</u>
Initial Hydrostatic Pressure..... (A) _____	<u>2195 P.S.I.</u>	
Initial Flow Period..... Minutes <u>30</u> (B) _____	<u>19 P.S.I. to (C) _____ 51 P.S.I.</u>	
Initial Closed In Period..... Minutes <u>45</u> (D) _____	<u>1306 P.S.I.</u>	
Final Flow Period..... Minutes <u>45</u> (E) _____	<u>48 P.S.I. to (F) _____ 95 P.S.I.</u>	
Final Closed In Period..... Minutes <u>60</u> (G) _____	<u>1318 P.S.I.</u>	
Final Hydrostatic Pressure..... (H) _____	<u>2192 P.S.I.</u>	

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DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	M317
Well Name	WYCOFF UNIT #1	Representative	MIKE COCHRAN
Unique Well ID	DST#3 4710-4810 PAWNEE/FT.SCOTT/CHEROKEE	Well Operator	RITCHIE EXPLORATION, INC.
Surface Location	SEC.2-26S-22W FORD CO.KS.	Report Date	2012/05/04
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	TERRY McLEOD
		Test Unit	NO. 1

Test Information

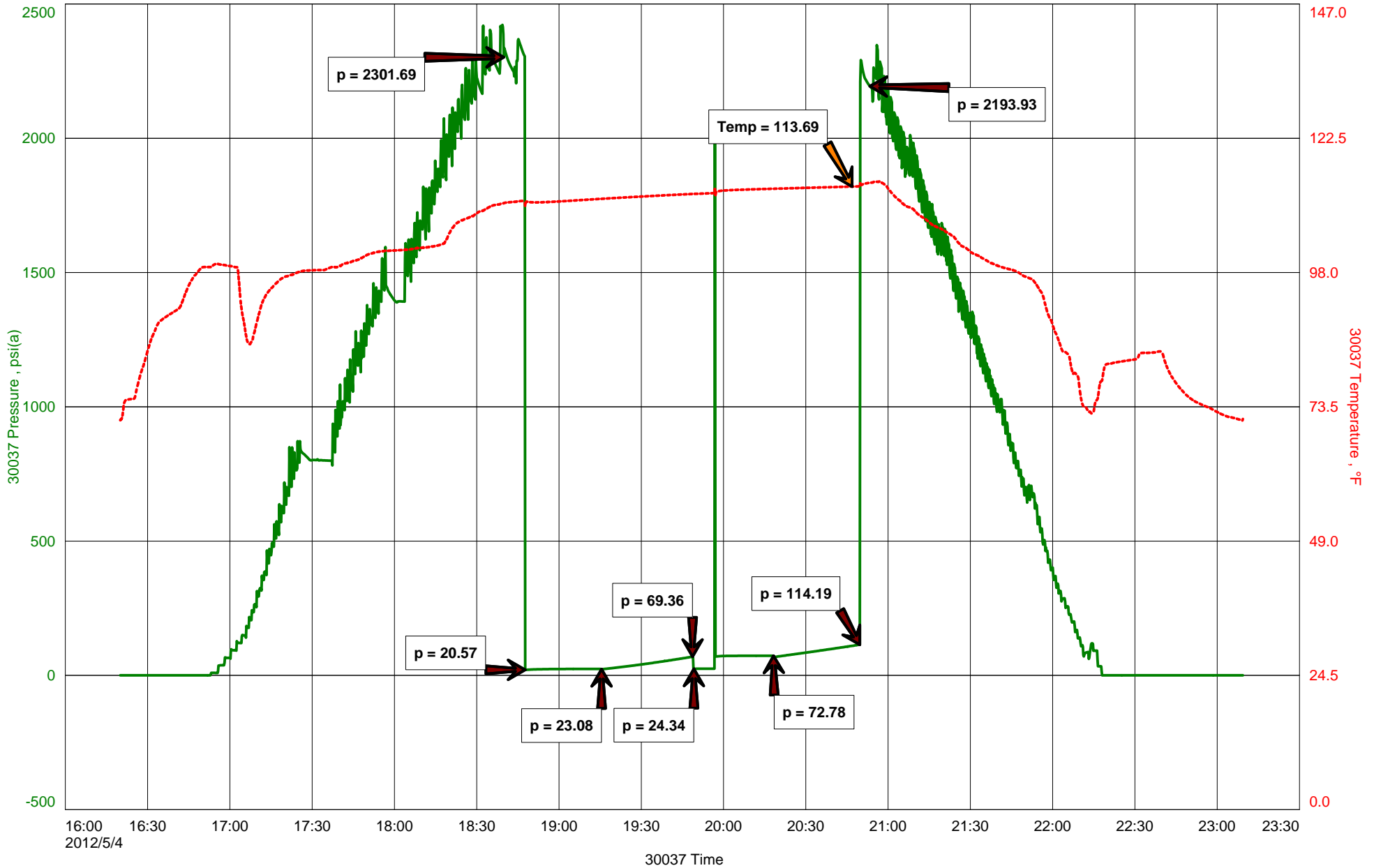
Test Type	CONVENTIONAL		
Formation	DST#3 4710-4810 PAWNEE/FT.SCOTT/CHEROKEE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/05/04	Start Test Time	16:20:00
Final Test Date	2012/05/04	Final Test Time	23:10:00
		Well Fluid Type	01 Oil
Gauge Name	30037		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
100' DM 100% MUD W/ SOME SPECKS OF OIL
100' TOTAL FLUID

TOOL SAMPLE: 100% DRLG MUD W/ SOME OIL SPOTS

WYCOFF UNIT #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WYCOFFUNT1DST3

TIME ON: 1620
TIME OFF: 2310

Company RITCHIE EXPLORATION, INC. Lease & Well No. WYCOFF UNIT #1
Contractor MURPHIN 22 Charge to RITCHIE EXPLORATION, INC.
Elevation 2398 KB Formation PAWNEE/FT.SCOTT/CHEROKEE Effective Pay _____ Ft. Ticket No. M317
Date 5/4/2012 Sec. 2 Twp. _____ 26 S Range _____ 22 W County FORD State KANSAS
Test Approved By TERRY McLEOD Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 4710 ft. to 4810 ft. Total Depth 4810 ft.
Packer Depth 4705 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4710 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4692 ft. Recorder Number 30037 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4807 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEM Viscosity 50 Drill Collar Length 236 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 12.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,500 P.P.M. Drill Pipe Length 4441 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 100 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. (63' D.P.) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: VW INTERMITTENT SB THAT DIED@ 15 MIN (NO BB)
2nd Open: A FEW BUBBLES ON TOOL OPEN THEN NO BLOW, FLUSH TOOL, A SURGE OF BUBBLES THAT DIMMINISHED UNTIL DEAD (NO BB)

Recovered 100 ft. of DM 100% MUD W/ SOME SPECKS OF OIL
Recovered 100 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100% DRLG MUD W/ SOME OIL SPOTS</u>	Total

Time Set Packer(s) 6:45 P.M. A.M. P.M. Time Started Off Bottom 8:45 P.M. A.M. P.M. Maximum Temperature 114

Initial Hydrostatic Pressure..... (A) 2302 P.S.I.
Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 69 P.S.I.
Final Flow Period..... Minutes 30 (E) 24 P.S.I. to (F) 73 P.S.I.
Final Closed In Period..... Minutes 30 (G) 114 P.S.I.
Final Hydrostatic Pressure..... (H) 2194 P.S.I.

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DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	M318
Well Name	WYCOFF UNIT #1	Representative	MIKE COCHRAN
Unique Well ID	DST#4 4793-4855 CHEROKEE	Well Operator	RITCHIE EXPLORATION, INC.
Surface Location	SEC.2-26S-22W FORD CO.KS.	Report Date	2012/05/05
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	TERRY McLEOD
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 4793-4855 CHEROKEE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/05/05	Start Test Time	07:00:00
Final Test Date	2012/05/05	Final Test Time	14:50:00
		Well Fluid Type	01 Oil
Gauge Name	30037		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

10' DM 100% MUD, W/ A SLICK OF OIL IN TOP OF TOOL
10' TOTAL FLUID

TOOL SAMPLE: 100% MUD W/ SOME OIL SPOTS



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WYCOFFUNT1DST4

TIME ON: 0700
TIME OFF: 1450

Company RITCHIE EXPLORATION, INC. Lease & Well No. WYCOFF UNIT #1
Contractor MURPHIN 22 Charge to RITCHIE EXPLORATION, INC.
Elevation 2398 KB Formation CHEROKEE Effective Pay _____ Ft. Ticket No. M318
Date 5/5/2012 Sec. 2 Twp. 26 S Range 22 W County FORD State KANSAS
Test Approved By TERRY McLEOD Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 4793 ft. to 4855 ft. Total Depth 4855 ft.
Packer Depth 4788 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4793 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4775 ft. Recorder Number 30037 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4852 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 56 Drill Collar Length 236 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 12.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,500 P.P.M. Drill Pipe Length 4525 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 62 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: A WEAK 1/4" BLOW THAT DIMMINISHED TO AND MAINTAINED A VW INTERMITTENT SB (NO BB)
2nd Open: NO BLOW, FLUSH TOOL NO BUBBLES NO HELP (NO BB)

Recovered <u>10 ft.</u> of <u>DM 100% MUD, W/ A SLICK OF OIL IN TOP OF TOOL</u>	
Recovered <u>10 ft.</u> of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100% MUD W/ SOME OIL SPOTS</u>	Total

Time Set Packer(s) 9:45 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 11:45 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 115
Initial Hydrostatic Pressure..... (A) 2270 P.S.I.
Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 107 P.S.I.
Final Flow Period..... Minutes 30 (E) 25 P.S.I. to (F) 35 P.S.I.
Final Closed In Period..... Minutes 30 (G) 132 P.S.I.
Final Hydrostatic Pressure..... (H) 2264 P.S.I.

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