

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	T562
Contact	JUSTIN CLEGG	Representative	TIM VENTERS
Well Name	LUEBBERS UNIT #1	Well Operator	RITCHIE EXPLORATION, INC.
Unique Well ID	DST #7, ALTAMONT "B", 4424-4452	Report Date	2016/09/09
Surface Location	SEC 26-15S-36W, LOGAN CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #7, ALTAMONT "B", 4424-4452
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/09/09	Start Test Time	00:22:00
Final Test Date	2016/09/09	Final Test Time	07:25:00

Gauge Name	5504
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Test Results

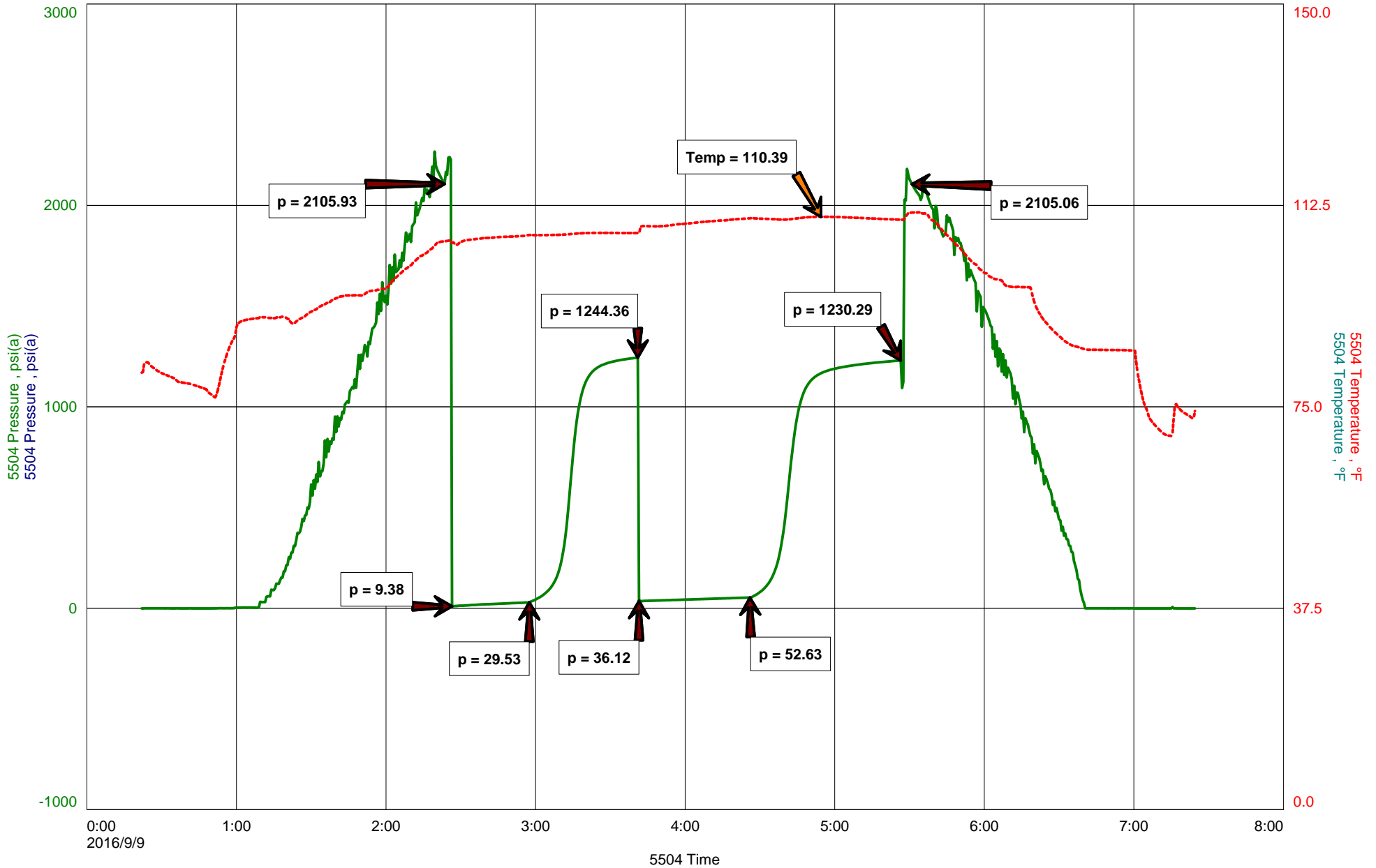
RECOVERED: 65' GAS IN PIPE
45' G,SMCO, 8% GAS, 83% OIL, 9% MUD, GRAVITY: 24
60' OM, 50% OIL, 50% MUD
105' TOTAL FLUID

TOOL SAMPLE: 5% GAS, 37% OIL, 58% MUD

RITCHIE EXPLORATION, INC.
DST #7, ALTAMONT "B", 4424-4452
Start Test Date: 2016/09/09
Final Test Date: 2016/09/09

LUEBBERS UNIT #1
Formation: DST #7, ALTAMONT "B", 4424-4452
Pool: WILDCAT
Job Number: T562

LUEBBERS UNIT #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LUEBBERSUNIT1DST7

TIME ON: 00:22
TIME OFF: 07:25

Company RITCHIE EXPLORATION, INC. Lease & Well No. LUEBBERS UNIT #1
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
Elevation 3276 KB Formation ALTAMONT "B" Effective Pay _____ Ft. Ticket No. T562
Date 9-9-16 Sec. 26 Twp. _____ 15 S Range _____ 36 W County LOGAN State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative TIM VENTERS

Formation Test No. 7 Interval Tested from 4424 ft. to 4452 ft. Total Depth 4452 ft.
Packer Depth 4419 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4424 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4405 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4449 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 61 Drill Collar Length 119 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7,400 P.P.M. Drill Pipe Length 4272 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: WEAK SURFACE BLOW, BUILDING TO 2 1/4 INCHES. (NO BB)
2nd Open: WEAK SURFACE BLOW BUILDING TO 4 INCHES. (NO BB)

Recovered 65 ft. of GAS IN PIPE
Recovered 45 ft. of G,SMCO, 8% GAS, 83% OIL, 9% MUD, GRAVITY: 24
Recovered 60 ft. of OM, 50% OIL, 50% MUD
Recovered 105 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 5% GAS, 37% OIL, 58% MUD	Total

Time Set Packer(s) 2:26 AM A.M. P.M. Time Started Off Bottom 5:26 AM A.M. P.M. Maximum Temperature 110 deg.

Initial Hydrostatic Pressure..... (A) 2106 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) 1244 P.S.I.
Final Flow Period..... Minutes 45 (E) 36 P.S.I. to (F) 53 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1230 P.S.I.
Final Hydrostatic Pressure..... (H) 2105 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.