

# DIAMOND TESTING, LLC

TESTER : TIM VENTERS  
CELL # 620-388-6333

## General Information

|                     |                                 |                |                           |
|---------------------|---------------------------------|----------------|---------------------------|
| Company Name        | RITCHIE EXPLORATION, INC.       | Job Number     | T539                      |
| Contact             | JUSTIN CLEGG                    | Representative | TIM VENTERS               |
| Well Name           | YORK 34D #1                     | Well Operator  | RITCHIE EXPLORATION, INC. |
| Unique Well ID      | DST #6, ALTAMONT "B", 4384-4408 | Report Date    | 2016/06/25                |
| Surface Location    | SEC 34-17S-32W, SCOTT CO. KS.   | Prepared By    | TIM VENTERS               |
| Well License Number |                                 |                |                           |
| Field               | WILDCAT                         |                |                           |
| Well Type           | Vertical                        |                |                           |

## Test Information

|                 |                                 |
|-----------------|---------------------------------|
| Test Type       | CONVENTIONAL                    |
| Formation       | DST #6, ALTAMONT "B", 4384-4408 |
| Well Fluid Type | 01 Oil                          |
| Test Purpose    | Initial Test                    |

|                 |            |                 |          |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2016/06/25 | Start Test Time | 08:06:00 |
| Final Test Date | 2016/06/25 | Final Test Time | 14:40:00 |

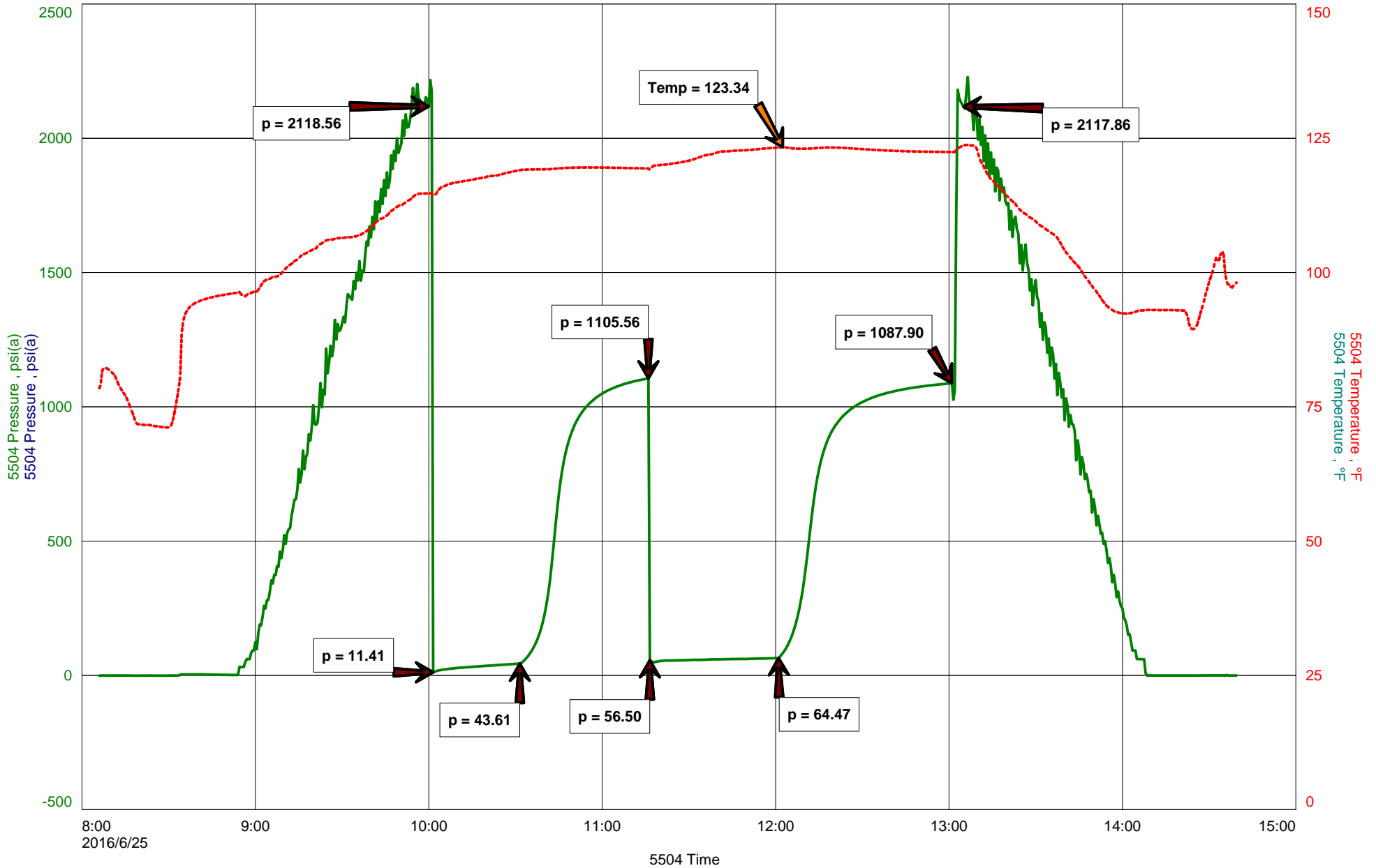
|            |      |
|------------|------|
| Gauge Name | 5504 |
|------------|------|

## Test Results

RECOVERED: 375' GAS IN PIPE  
5' GO, 3% GAS, 97% OIL, GRAVITY: 33  
120' G,VHMCO, 15% GAS, 44% OIL, 41% MUD  
125' TOTAL FLUID

TOOL SAMPLE: 8% GAS, 92% OIL

# YORK 34D #1





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: YORK34D1DST6

TIME ON: 08:06  
TIME OFF: 14:40

Company RITCHIE EXPLORATION, INC. Lease & Well No. YORK 34D #1  
Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.  
Elevation 2985 KB Formation ALTAMONT "B" Effective Pay \_\_\_\_\_ Ft. Ticket No. T539  
Date 6-25-16 Sec. 34 Twp. \_\_\_\_\_ 17 S Range \_\_\_\_\_ 32 W County SCOTT State KANSAS  
Test Approved By JOHN GOLDSMITH Diamond Representative TIM VENTERS

Formation Test No. 6 Interval Tested from 4384 ft. to 4408 ft. Total Depth 4408 ft.  
Packer Depth 4379 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4384 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4365 ft. Recorder Number 5504 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4405 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 54 Drill Collar Length 119 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 4,500 P.P.M. Drill Pipe Length 4232 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 24 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 9 1/2 INCHES. (NO BB)  
2nd Open: WEAK 1/4 INCH BLOW, BUILDING, REACHING BOB 32 MIN. (WS BB)

Recovered 375 ft. of GAS IN PIPE  
Recovered 5 ft. of GO, 3% GAS. 97% OIL, GRAVITY: 33  
Recovered 120 ft. of G,VHMCO, 15% GAS, 44% OIL, 41% MUD  
Recovered 125 ft. of TOTAL FLUID

|                                     |               |
|-------------------------------------|---------------|
| Recovered _____ ft. of _____        | Price Job     |
| Recovered _____ ft. of _____        | Other Charges |
| Remarks: _____                      | Insurance     |
| TOOL SAMPLE: <u>8% GAS, 92% OIL</u> | Total         |

Time Set Packer(s) 10:01 AM A.M. P.M. Time Started Off Bottom 1:01 PM A.M. P.M. Maximum Temperature 123 deg.

Initial Hydrostatic Pressure..... (A) 2119 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 44 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1106 P.S.I.  
Final Flow Period..... Minutes 45 (E) 57 P.S.I. to (F) 64 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1088 P.S.I.  
Final Hydrostatic Pressure..... (H) 2118 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.