

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	RITCHIE EXPLORATION, INC.	Contact	JUSTIN CLEGG	Job Number	T538
Well Name	YORK 34D #1	Representative	TIM VENTERS	Well Operator	RITCHIE EXPLORATION, INC.
Unique Well ID	DST #5, ALTAMONT "A", 4316-4382	Report Date	2016/06/25	Prepared By	TIM VENTERS
Surface Location	SEC 34-17S-32W, SCOTT CO. KS.	Field	WILDCAT	Well Type	Vertical

Test Information

Test Type	CONVENTIONAL
Formation	DST #5, ALTAMONT "A", 4316-4382
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/06/24	Start Test Time	16:26:00
Final Test Date	2016/06/25	Final Test Time	00:16:00

Gauge Name	5504
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Test Results

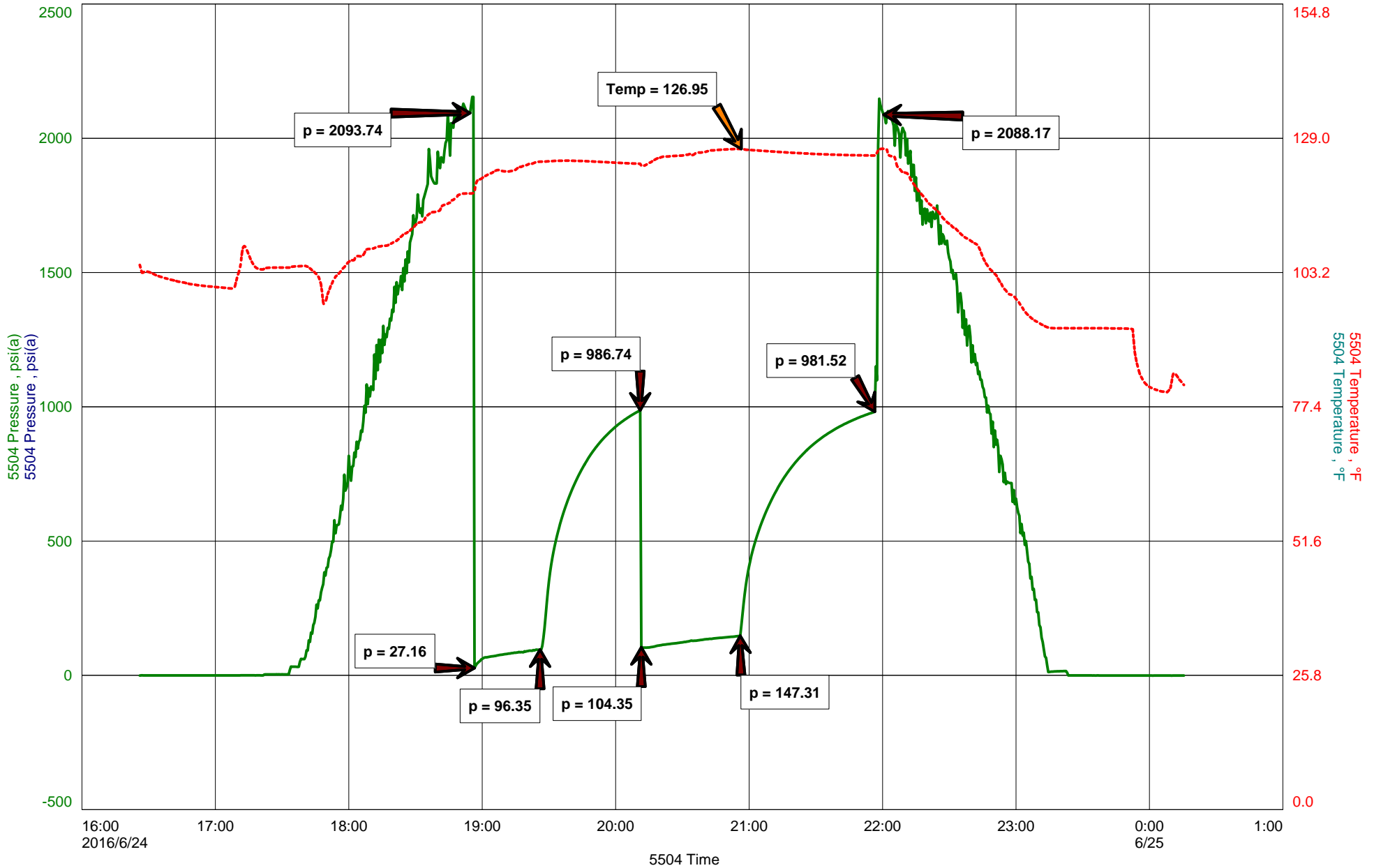
RECOVERED: 530' GAS IN PIPE
35' G,SMCO, 8% GAS, 90% OIL, 2% MUD, GRAVITY: 31
310' G,MCO, 14% GAS, 57% OIL, 29% MUD
345' TOTAL FLUID

TOOL SAMPLE: 8% GAS, 44% OIL, 48% MUD

RITCHIE EXPLORATION, INC.
DST #5, ALTAMONT "A", 4316-4382
Start Test Date: 2016/06/24
Final Test Date: 2016/06/25

YORK 34D #1
Formation: DST #5, ALTAMONT "A", 4316-4382
Pool: WILDCAT
Job Number: T538

YORK 34D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: YORK34D1DST5

TIME ON: 16:26 6-24-16
TIME OFF: 00:16 6-25-16

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 "A" Effective Pay _____ Ft. Ticket No. T538
Date 6-24-16 Sec. 34 Twp. 17 S Range 32 W County SCOTT State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative TIM VENTERS

Formation Test No. 5 Interval Tested from 4316 ft. to 4382 ft. Total Depth 4382 ft.
Packer Depth 4311 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4316 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4297 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4379 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 53 Drill Collar Length 119 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,500 P.P.M. Drill Pipe Length 4164 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 34 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: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 13 MIN. (VWS BB)
2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 11 MIN. (NO BB)

Recovered 530 ft. of GAS IN PIPE
Recovered 35 ft. of G,SMCO, 8% GAS, 90% OIL, 2% MUD, GRAVITY: 31
Recovered 310 ft. of G,MCO, 14% GAS, 57% OIL, 29% MUD
Recovered 345 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>THE BLOW BACK ON THE INITIAL SHUT-IN ONLY LASTED ABOUT 15 MIN.</u>	Insurance
TOOL SAMPLE: <u>8% GAS, 44% OIL, 48% MUD</u>	Total

Time Set Packer(s) 6:56 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 9:56 PM ^{A.M.}/_{P.M.} Maximum Temperature 127 deg.

Initial Hydrostatic Pressure..... (A) 2094 P.S.I.
Initial Flow Period..... Minutes 30 (B) 27 P.S.I. to (C) 96 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 987 P.S.I.
Final Flow Period..... Minutes 45 (E) 104 P.S.I. to (F) 147 P.S.I.
Final Closed In Period..... Minutes 60 (G) 982 P.S.I.
Final Hydrostatic Pressure..... (H) 2088 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.