

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	T535
Contact	JUSTIN CLEGG	Representative	TIM VENTERS
Well Name	YORK 34D #1	Well Operator	RITCHIE EXPLORATION, INC.
Unique Well ID	DST #2, LKC "H", 4118-4160	Report Date	2016/06/22
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 #2, LKC "H", 4118-4160
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/06/22	Start Test Time	11:51:00
Final Test Date	2016/06/22	Final Test Time	19:05:00

Gauge Name	5504
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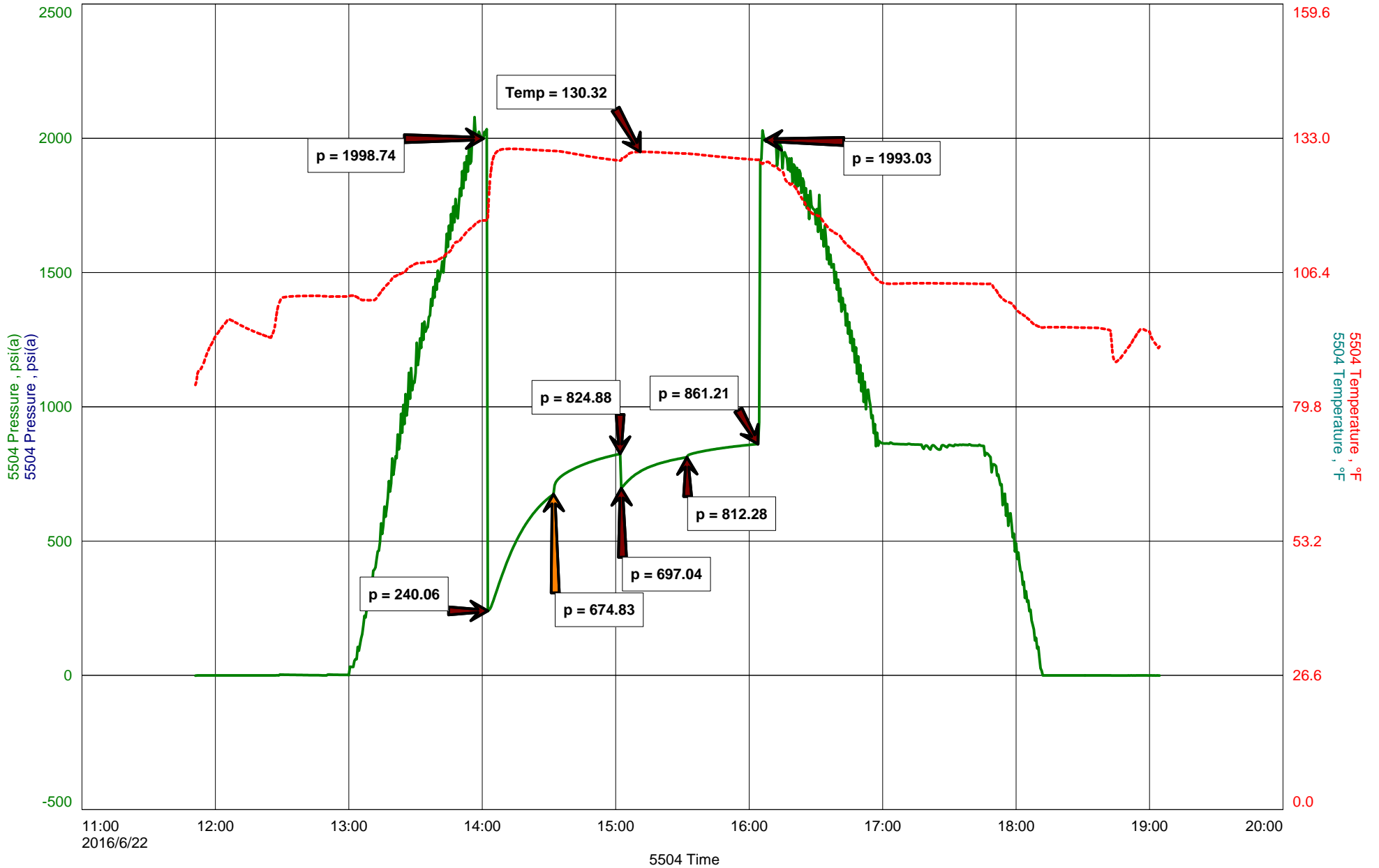
Test Results

RECOVERED: 415' HMCW, 60% WATER, 40% MUD
910' SMCW, 96% WATER, 4% MUD
395' WATER, 100% WATER
60' WCM W/TR. O, TRACE OIL, 36% WATER, 64% MUD
1780' TOTAL FLUID

TOOL SAMPLE: 100% WATER

CHLORIDES: 26,000 ppm
PH: 7.5
RW: .28 @ 66 deg.

YORK 34D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: YORK34D1DST2

TIME ON: 11:51
TIME OFF: 19:05

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 LKC "H" Effective Pay _____ Ft. Ticket No. T535
Date 6-22-16 Sec. 34 Twp. _____ 17 S Range _____ 32 W County SCOTT State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative TIM VENTERS

Formation Test No. 2 Interval Tested from 4118 ft. to 4160 ft. Total Depth 4160 ft.
Packer Depth 4113 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4118 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4099 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 5157 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 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,800 P.P.M. Drill Pipe Length 3966 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 YES Anchor Length 42 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: STRONG 3 INCH BLOW, BUILDING, REACHING BOB 1 1/2 MIN. (NO BB)
2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 3 MIN. (NO BB)

Recovered <u>415</u> ft. of <u>HMCW, 60% WATER, 40% MUD</u>	
Recovered <u>910</u> ft. of <u>SMCW, 96% WATER, 4% MUD</u>	
Recovered <u>395</u> ft. of <u>WATER, 100% WATER</u>	
Recovered <u>60</u> ft. of <u>WCM W/TR. O, TRACE OIL, 36% WATER, 64% MUD</u>	
Recovered <u>1780</u> ft. of <u>TOTAL FLUIDS</u> CHLORIDES: <u>26,000</u> ppm	Price Job
Recovered _____ ft. of _____ PH: <u>7.5</u>	Other Charges
Remarks: _____ RW: <u>.28 @ 66 deg.</u>	Insurance
TOOL SAMPLE: <u>100% WATER</u>	Total

Time Set Packer(s) 2:02 PM A.M. P.M. Time Started Off Bottom 4:02 PM A.M. P.M. Maximum Temperature 130 deg.
Initial Hydrostatic Pressure..... (A) 1999 P.S.I.
Initial Flow Period..... Minutes 30 (B) 240 P.S.I. to (C) 675 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 825 P.S.I.
Final Flow Period..... Minutes 30 (E) 697 P.S.I. to (F) 812 P.S.I.
Final Closed In Period..... Minutes 30 (G) 861 P.S.I.
Final Hydrostatic Pressure..... (H) 1993 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.