

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	T537
Contact	JUSTIN CLEGG	Representative	TIM VENTERS
Well Name	YORK 34D #1	Well Operator	RITCHIE EXPLORATION, INC.
Unique Well ID	DST #4, LKC "J&K", 4191-4258	Report Date	2016/06/24
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 #4, LKC "J&K", 4191-4258
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/06/23	Start Test Time	18:08:00
Final Test Date	2016/06/24	Final Test Time	01:41:00

Gauge Name	5504
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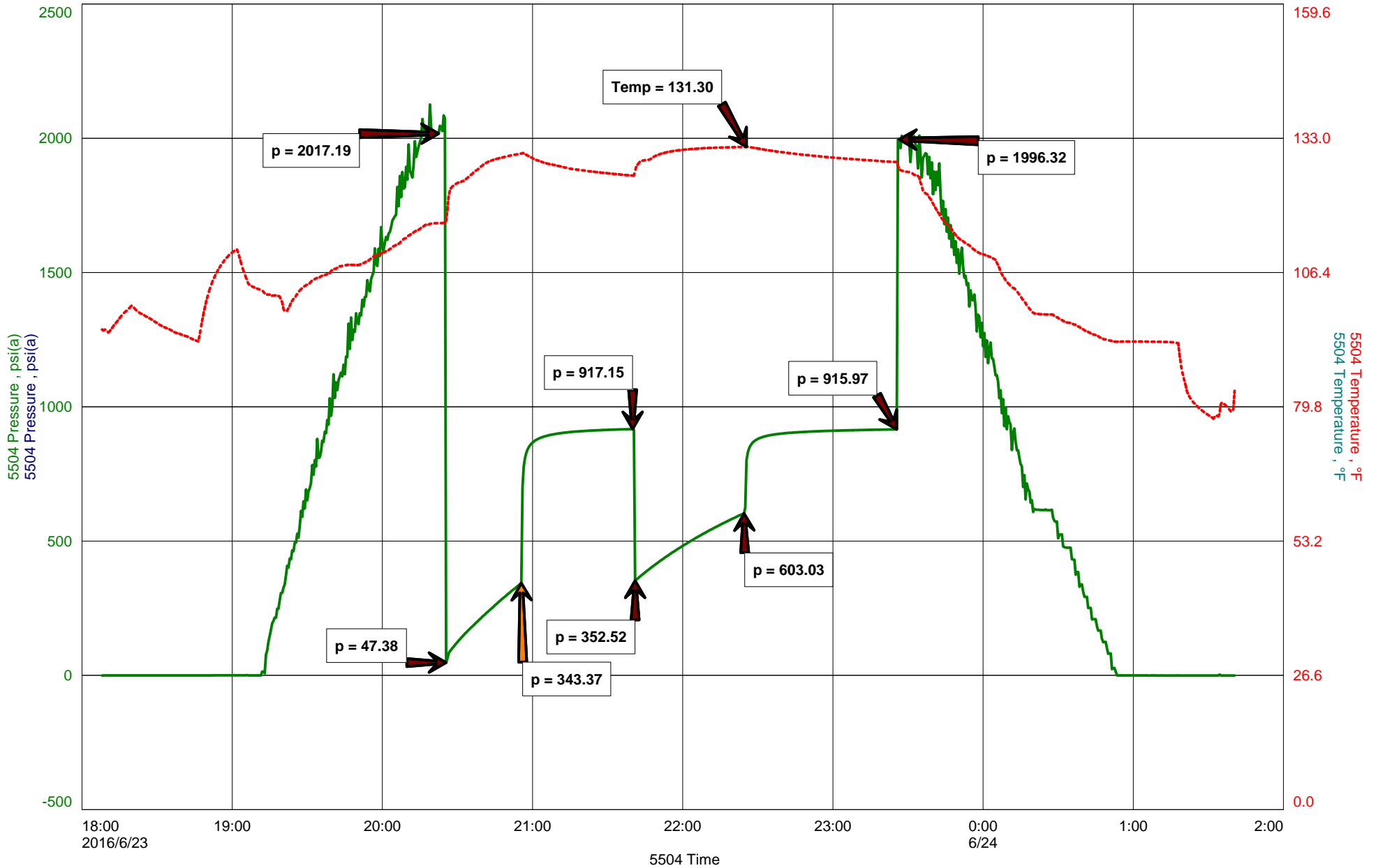
Test Results

RECOVERED: 50' SOHMCW, 7% OIL, 59% WATER, 34% MUD
690' HMCW W/TR. O, TRACE OIL, 60% WATER, 40% MUD
565' SMCW W/TR. O, TRACE OIL, 98% WATER, 2% MUD
1305' TOTAL FLUID

TOOL SAMPLE: 45% OIL, 37% WATER, 18% MUD

CHLORIDES: 29,000 ppm
PH: 8.0
RW: .23 @ 60 deg.

YORK 34D #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: YORK34D1DST4

TIME ON: 18:08 6-23-16
TIME OFF: 01:41 6-24-16

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 LKC "J&K" Effective Pay _____ Ft. Ticket No. T537
Date 6-23-16 Sec. 34 Twp. 17 S Range 32 W County SCOTT State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative TIM VENTERS

Formation Test No. 4 Interval Tested from 4191 ft. to 4258 ft. Total Depth 4258 ft.
Packer Depth 4186 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4191 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4172 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4255 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 59 Drill Collar Length 119 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 4039 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 35 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: GOOD 1 1/2 INCH BLOW, BUILDING, REACHING BOB 4 1/2 MI (NO BB)
2nd Open: WEAK SURFACE BLOW, BUILDING, REACHING BOB 7 MIN. (NO BB)

Recovered 50 ft. of SOHMCW, 7% OIL, 59% WATER, 34% MUD
Recovered 690 ft. of HMCW W/TR. O, TRACE OIL, 60% WATER, 40% MUD
Recovered 565 ft. of SMCW W/TR. O, TRACE OIL, 989% WATER, 2% MUD
Recovered 1305 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 29,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 8.0	Other Charges
Remarks: _____	RW: .23 @ 60 deg.	Insurance
TOOL SAMPLE: 45% OIL, 37% WATER, 18% MUD		Total

Time Set Packer(s) 8:25 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 11:25 PM ^{A.M.}/_{P.M.} Maximum Temperature 131 deg.

Initial Hydrostatic Pressure..... (A) 2017 P.S.I.
Initial Flow Period..... Minutes 30 (B) 47 P.S.I. to (C) 343 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 917 P.S.I.
Final Flow Period..... Minutes 45 (E) 353 P.S.I. to (F) 603 P.S.I.
Final Closed In Period..... Minutes 60 (G) 916 P.S.I.
Final Hydrostatic Pressure..... (H) 1996 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.