

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	T612
Contact	JUSTIN CLEGG	Representative	TIM VENTERS
Well Name	SCHROEDER 22C #1	Well Operator	RITCHIE EXPLORATION, INC.
Unique Well ID	DST #4, LANSING "H&I", 4236-4315	Report Date	2017/05/20
Surface Location	SEC 22-15S-36W, LOGAN CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #4, LANSING "H&I", 4236-4315
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2017/05/20	Start Test Time	08:49:00
Final Test Date	2017/05/20	Final Test Time	16:07:00

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

Test Results

RECOVERED: 420' MCW, 63% WATER, 37% MUD
2070' SMCW, 99% WATER, 1% MUD
2490' TOTAL FLUID

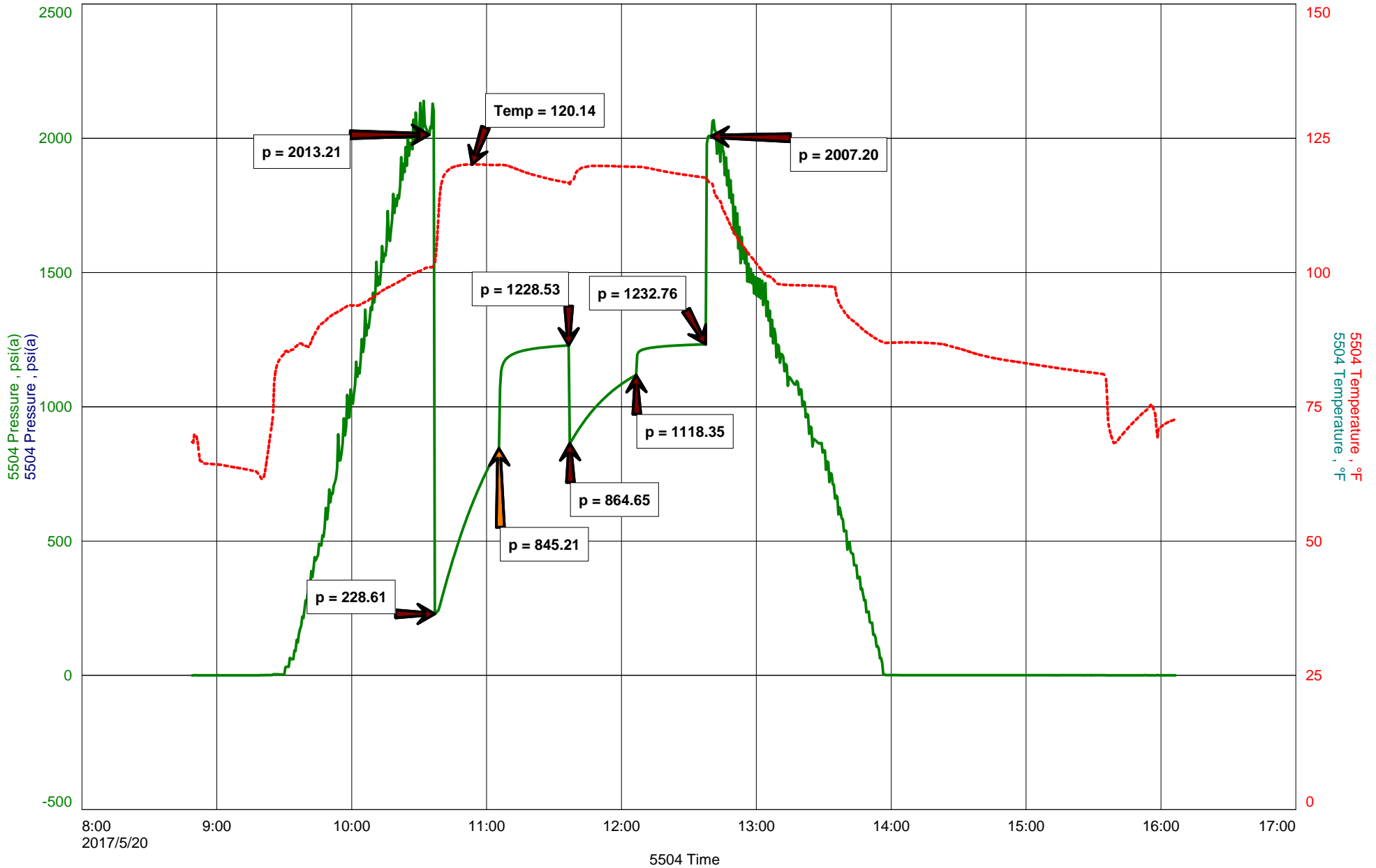
TOOL SAMPLE: 100% WATER

CHLORIDES: 21,000 ppm
PH: 6.0
RW: .33 @ 65 deg.

RITCHIE EXPLORATION, INC.
DST #4, LANSING "H&I", 4236-4315
Start Test Date: 2017/05/20
Final Test Date: 2017/05/20

SCHROEDER 22C #1
Formation: DST #4, LANSING "H&I", 4236-4315
Pool: WILDCAT
Job Number: T612

SCHROEDER 22C #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SCHROEDER22C1DST4

TIME ON: 08:49
TIME OFF: 16:07

Company RITCHIE EXPLORATION, INC. Lease & Well No. SCHROEDER 22C #1
Contractor WW DRILLING, LLC RIG #10 Charge to RITCHIE EXPLORATION, INC.
Elevation 3304 KB Formation LANSING "H&I" Effective Pay _____ Ft. Ticket No. T612
Date 5-20-17 Sec. 22 Twp. _____ 15 S Range _____ 36 W County LOGAN State KANSAS
Test Approved By MAX LOVELY Diamond Representative TIM VENTERS

Formation Test No. 4 Interval Tested from 4236 ft. to 4315 ft. Total Depth 4315 ft.
Packer Depth 4231 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4236 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4217 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4312 ft. Recorder Number 13819 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 118 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,200 P.P.M. Drill Pipe Length 4085 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 17 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{62' 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 1 1/2 MIN. (NO BB)
2nd Open: GOOD 2 INCH BLOW, BUILDING, REACHING BOB 2 MIN. (NO BB)

Recovered 420 ft. of MCW, 63% WATER, 37% MUD
Recovered 2070 ft. of SMCW, 99% WATER, 1% MUD
Recovered 2490 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 21,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 6.0	Other Charges
Remarks: _____	RW: .33 @ 65 deg.	Insurance
TOOL SAMPLE: 100% WATER		Total

Time Set Packer(s) 10:36 AM ^{A.M.} P.M. Time Started Off Bottom 12:36 PM ^{A.M.} P.M. Maximum Temperature 120 deg.

Initial Hydrostatic Pressure..... (A) 2013 P.S.I.
Initial Flow Period..... Minutes 30 (B) 229 P.S.I. to (C) 845 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1229 P.S.I.
Final Flow Period..... Minutes 30 (E) 865 P.S.I. to (F) 1118 P.S.I.
Final Closed In Period..... Minutes 30 (G) 1233 P.S.I.
Final Hydrostatic Pressure..... (H) 2007 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.