

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	RITCHIE EXPLORATION, INC.	Contact	JUSTIN CLEGG	Job Number	T614
Well Name	SCHROEDER 22C #1	Well Operator	RITCHIE EXPLORATION, INC.	Report Date	2017/05/22
Unique Well ID	DST #6, MAR./ALT. "A&B", 4434-4530	Well Operator	RITCHIE EXPLORATION, INC.	Report Date	2017/05/22
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 \$6, MAR./ALT. "A&B", 4434-4530
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2017/05/22	Start Test Time	01:31:00
Final Test Date	2017/05/22	Final Test Time	09:29:00

Gauge Name	5504
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Test Results

RECOVERED: 240' SOHWCM, 9% OIL, 32% WATER, 59% MUD
500' SOHMCW, 6% OIL, 55% WATER, 39% MUD
435' SO&MCW, 4% OIL, 87% WATER, 9% MUD
1175' TOTAL FLUID

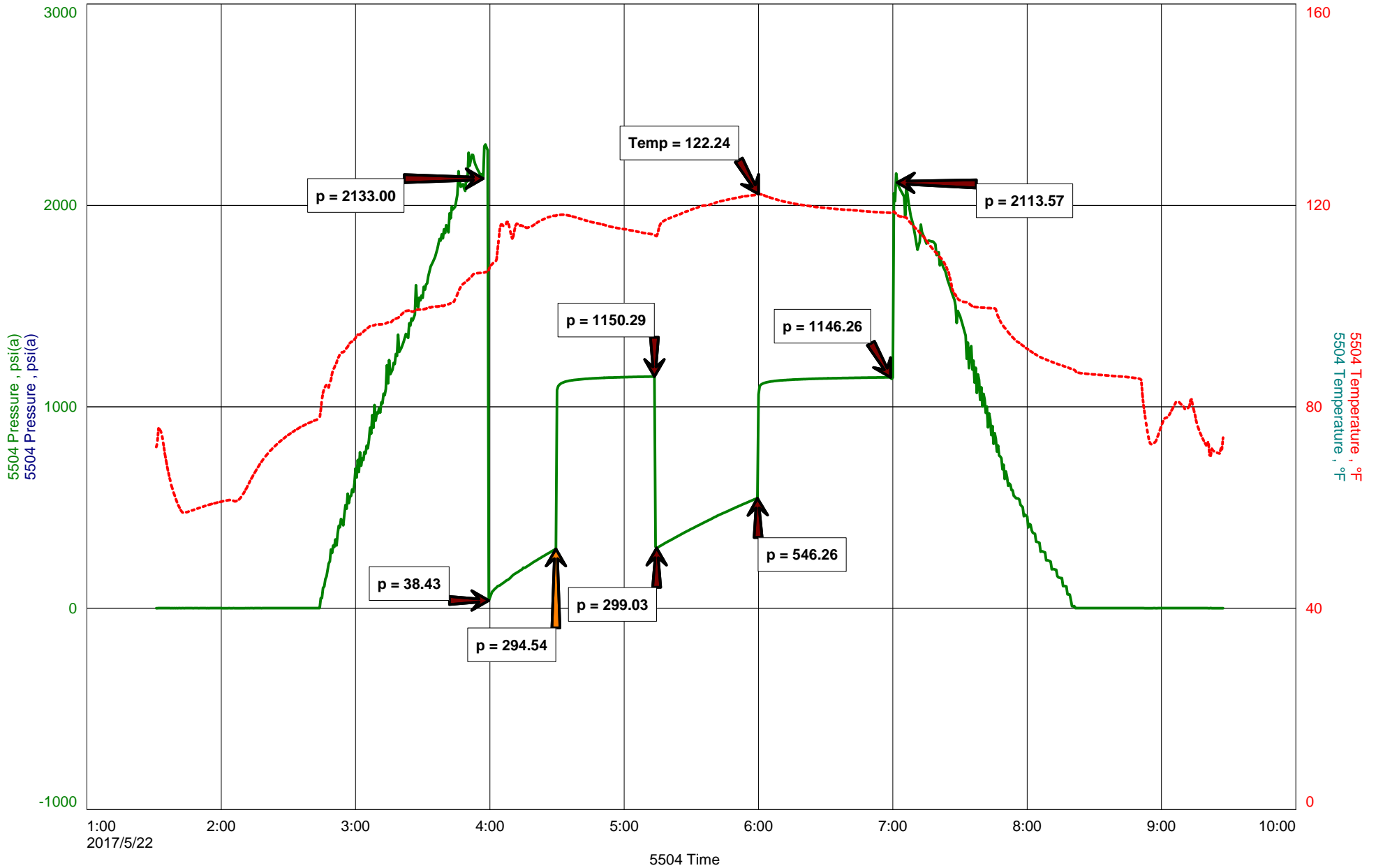
TOOL SAMPLE: 4% OIL, 92% WATER, 4% MUD

CHLORIDES: 28,000 ppm
PH: 7.5
RW: .28 @ 65 deg.

RITCHIE EXPLORATION, INC.
DST #6, MAR./ALT. "A&B", 4434-4530
Start Test Date: 2017/05/22
Final Test Date: 2017/05/22

SCHROEDER 22C #1
Formation: DST \$6, MAR./ALT. "A&B", 4434-4530
Pool: WILDCAT
Job Number: T614

SCHROEDER 22C #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SCHROEDER22C1DST6

TIME ON: 01:31
TIME OFF: 09:29

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 MARMATON/ALTAMONT "A&B" Effective Pay _____ Ft. Ticket No. T614
Date 5-22-17 Sec. 22 Twp. _____ 15 S Range _____ 36 W County LOGAN State KANSAS
Test Approved By MAX LOVELY Diamond Representative TIM VENTERS

Formation Test No. 6 Interval Tested from 4434 ft. to 4530 ft. Total Depth 4530 ft.
Packer Depth 4429 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4434 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4415 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4527 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 73 Drill Collar Length 118 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 9.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7,500 P.P.M. Drill Pipe Length 4283 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. ^{62' 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 7 MIN. (NO BB)
2nd Open: WEAK SURFACE BLOW, BUILDING, REACHING BOB 8 1/2 MIN. (NO BB)

Recovered 240 ft. of SOHWCM, 9% OIL, 32% WATER, 59% MUD
Recovered 500 ft. of SOHMCW, 6% OIL, 55% WATER, 39% MUD
Recovered 435 ft. of SO&MCW, 4% OIL, 87% WATER, 9% MUD
Recovered 1175 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 28,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 7.5	Other Charges
Remarks: _____	RW: .28 @ 65 deg.	Insurance
TOOL SAMPLE: 4% OIL, 92% WATER, 4% MUD		Total

Time Set Packer(s) 4:00 AM ^{A.M.} P.M. Time Started Off Bottom 7:00 AM ^{A.M.} P.M. Maximum Temperature 122 deg.

Initial Hydrostatic Pressure..... (A) 2133 P.S.I.
Initial Flow Period..... Minutes 30 (B) 38 P.S.I. to (C) 295 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1150 P.S.I.
Final Flow Period..... Minutes 45 (E) 299 P.S.I. to (F) 546 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1146 P.S.I.
Final Hydrostatic Pressure..... (H) 2114 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.