

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	T602
Contact	JUSTIN CLEGG	Representative	TIM VENTERS
Well Name	VMW LAND 16C #1	Well Operator	RITCHIE EXPLORATION, INC.
Unique Well ID	DST #2, PAWNEE, 4590-4712	Report Date	2017/03/19
Surface Location	SEC 16-16S-38W, WICHITA CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #2, PAWNEE, 4590-4712
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2017/03/18	Start Test Time	19:55:00
Final Test Date	2017/03/19	Final Test Time	02:19:00

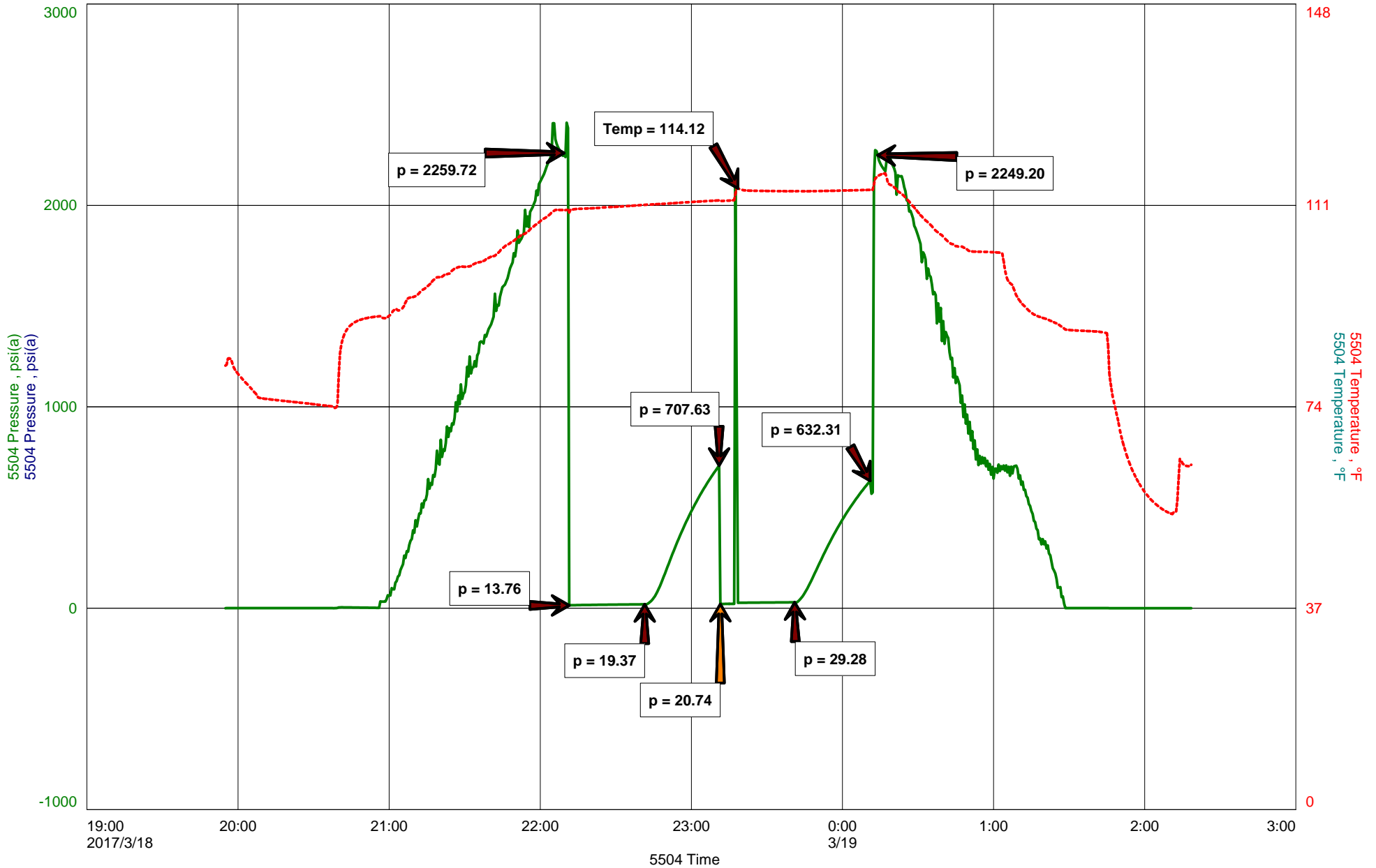
Gauge Name	5504
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Test Results

RECOVERED: 30' MUD

TOOL SAMPLE: OIL SPECKS, 100% MUD

VMW LAND 16C #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: VMWLAND16C1DST2

TIME ON: 19:55 3-18-17
TIME OFF: 02:19 3-19-17

Company RITCHIE EXPLORATION, INC. Lease & Well No. VMW LAND 16C #1
Contractor WW DRILLING, LLC RIG #10 Charge to RITCHIE EXPLORATION, INC.
Elevation 3452 KB Formation PAWNEE Effective Pay _____ Ft. Ticket No. T602
Date 3-18-17 Sec. 16 Twp. 16 S Range 38 W County WICHITA State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative TIM VENTERS

Formation Test No. 2 Interval Tested from 4590 ft. to 4712 ft. Total Depth 4712 ft.
Packer Depth 4585 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4590 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4571 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4709 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 65 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 4434 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 27 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{95' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1/4 INCH. (NO BB)
2nd Open: VERY WEAK SURFACE BLOW, LASTING 4 1/2 MIN. (NO BB)

Recovered 30 ft. of MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: <u>WE FLUSHED TOOL 5 MIN. INTO FINAL FLOW PERIOD AND GOT A WEAK SURFACE BLOW THAT LASTED 13 MIN.</u> <u>TOOL SAMPLE: OIL SPECKS, 100% MUD</u>	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 10:11 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 12:11 AM ^{A.M.}/_{P.M.} Maximum Temperature 114 deg.

Initial Hydrostatic Pressure..... (A) 2260 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 19 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 708 P.S.I.
Final Flow Period..... Minutes 30 (E) 21 P.S.I. to (F) 29 P.S.I.
Final Closed In Period..... Minutes 30 (G) 632 P.S.I.
Final Hydrostatic Pressure..... (H) 2249 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.