

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	RITCHIE EXPLORATION, INC.	Job Number	T533
Contact	JUSTIN CLEGG	Representative	TIM VENTERS
Well Name	KOEHN-MOLLENKAMP #1	Well Operator	RITCHIE EXPLORATION, INC.
Unique Well ID	DST #7, PAWNEE, 4540-4584	Report Date	2016/05/02
Surface Location	SEC 14-15S-36W, LOGAN CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #7, PAWNEE, 4540-4584
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/05/01	Start Test Time	17:41:00
Final Test Date	2016/05/01	Final Test Time	23:48:00

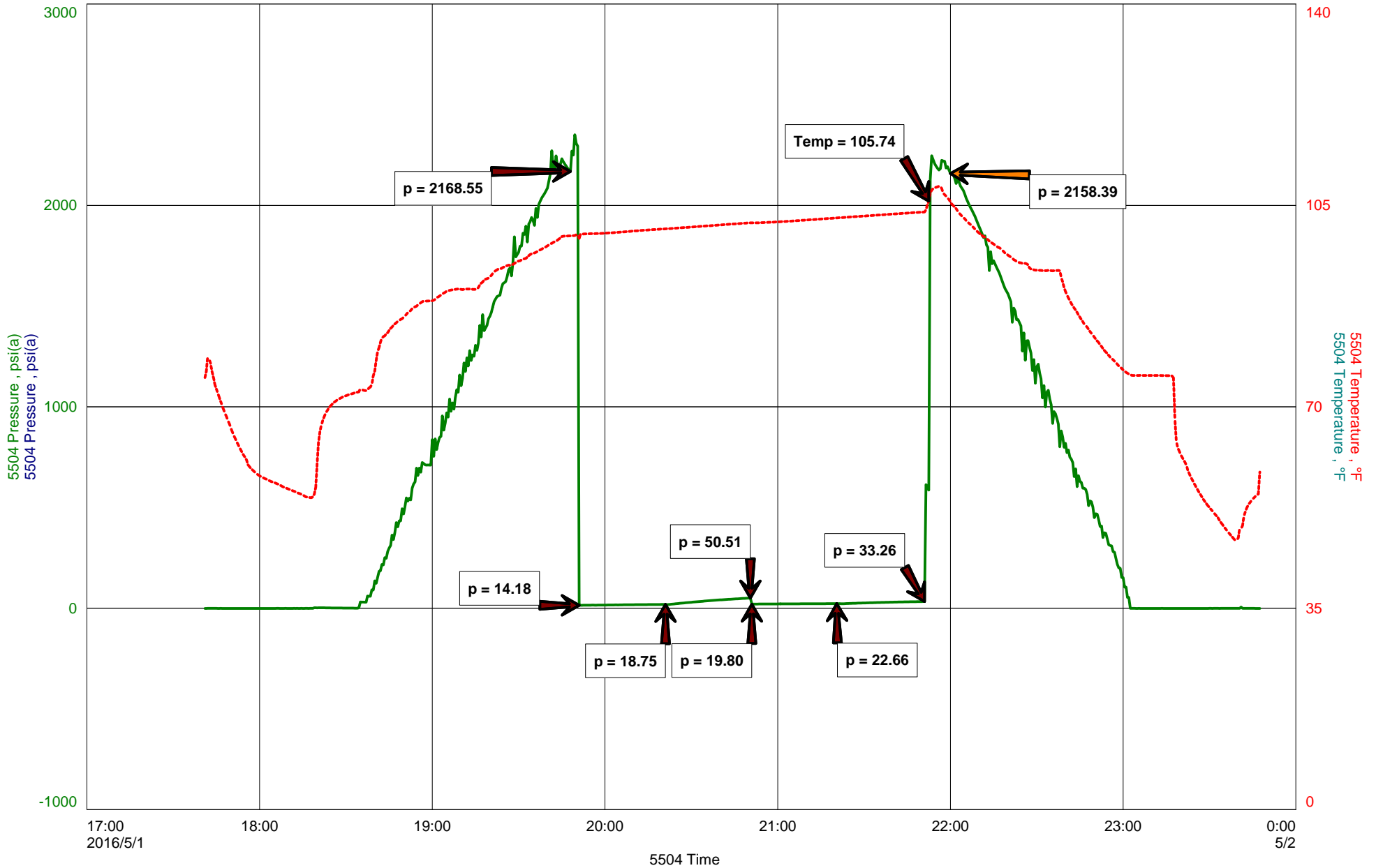
Gauge Name	5504
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Test Results

RECOVERED: 10' M W/O SP., SPECKS OIL, 100% MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

KOEHN-MOLLENKAMP #1





DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 17:41
 TIME OFF: 23:48

DRILL-STEM TEST TICKET
 FILE: KOEHN-MOLLENKAMP1DST7

Company RITCHIE EXPLORATION, INC. Lease & Well No. KOEHN-MOLLENKAMP #1
 Contractor WW DRILLING, LLC RIG #2 Charge to RITCHIE EXPLORATION, INC.
 Elevation 3319 KB Formation PAWNEE Effective Pay _____ Ft. Ticket No. T533
 Date 5-1-16 Sec. 14 Twp. _____ 15 S Range _____ 36 W County LOGAN State KANSAS
 Test Approved By JOHN GOLDSMITH Diamond Representative TIM VENTERS

Formation Test No. 7 Interval Tested from 4540 ft. to 4584 ft. Total Depth 4584 ft.

Packer Depth 4535 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4540 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4521 ft. Recorder Number 5504 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 4581 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 118 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 9,000 P.P.M. Drill Pipe Length 4389 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 44 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: WEAK SURFACE BLOW, BUILDING TO 1/2 INCH. (NO BB)

2nd Open: VERY WEAK SURFACE BLOW THROUGHOUT PERIOD. (NO BB)

Recovered 10 ft. of M W/O SP., SPECKS OIL, 100% MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: TRACE OIL, 100% MUD

Time Set Packer(s) 7:51 PM A.M. P.M. Time Started Off Bottom 9:51 PM A.M. P.M. Maximum Temperature 106 deg.

Initial Hydrostatic Pressure..... (A) 2169 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) 51 P.S.I.

Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 23 P.S.I.

Final Closed In Period..... Minutes 30 (G) 33 P.S.I.

Final Hydrostatic Pressure..... (H) 2158 P.S.I.

Price Job
Other Charges
Insurance
Total

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.