

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	Powell #9-22
Company Name	Berexco LLC
Formation	Kansas City "B" 4658'-4668'
Test Type	Bottom-Hole w/J,Jnt,ShPkr X 2
Surface Location	Sec 22-29s-33w-Haskell Co.-KS
KB Elevation (SL)	2954.000
Gauge Name	8471
Start Test Date	2015/07/11
Start Test Time	11:15:00
Final Test Date	2015/07/11
Final Test Time	23:19:00
Job Number	F395
Contact	Evan Mayhew
Site Contact	Ed Grieves

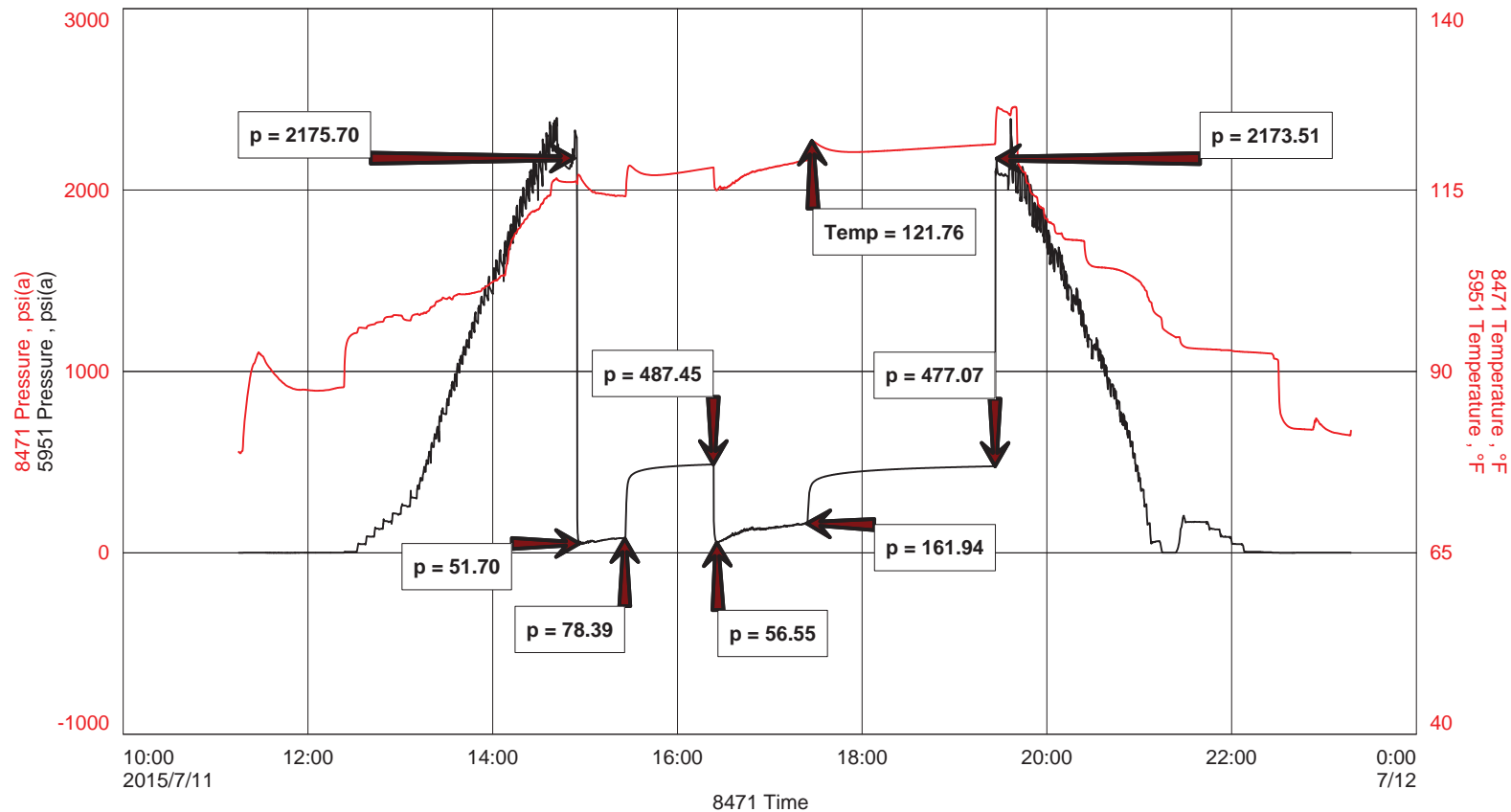
TEST RESULTS

Initial flow, BOB 10 seconds, GTS 7.5 minutes. Fair blowback at BOB.
 Final flow, BOB 30 seconds, guage gas. Strong blowback at BOB.

RECOVERED

20'	Gssy WC HMCO	20% gas, 40% oil, 10% wtr, 30% mud
380'	Gssy Oil	20% gas, 80% oil
50'	Gssy O&MCW	20% gas, 10% oil, 50% wtr, 20% mud
----	GRAVITY: 37.5 @ 60 F	
----	CHLORIDES: 99,000 PPM	
----	RW: .08 ohm @ 70 F	
----	PH: 7.0	

Powell #9-22





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: POWELL 9DST 4

ON LOCATION:	<u>11:00</u>
START RECORDERS:	<u>11:15</u>
STOP RECORDERS:	<u>23:19</u>

Company BEREXCO LLC Lease & Well No. POWELL #9-22
 Contractor BEREDCO LLC REG #1 Charge to BEREXCO LLC
 Elevation 2954' KB Formation KANSAS CITY "B" Effective Pay --- Ft. Ticket No. F395
 Date 7-11-15 Sec. 22 Twp. 29S Range 33W County HASKELL State KANSAS
 Test Approved By ED GRIEVES Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 4 Interval Tested from 4658 ft. to 4668 ft. Total Depth 4668 ft.
 Packer Depth 4653 ft. Size 6 3/4 in. Packer depth --- ft. Size 6 3/4 in.
 Packer Depth 4658 ft. Size 6 3/4 in. Packer depth --- ft. Size 6 3/4 in.
 Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 4641 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4659 ft. Recorder Number 8471 Cap. 10000 P.S.I.
 Below Straddle Recorder Depth --- ft. Recorder Number --- Cap. --- P.S.I.
 Mud Type CHEMICAL Viscosity 53 (3" LCM) Drill Collar Length 616 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 9.2 cc. Weight Pipe Length --- ft. I.D. 2 7/8 in.
 Chlorides 3600 P.P.M. Drill Pipe Length 4009 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 5 J5, 5hPKR X2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? GTS Reversed Out --- Anchor Length 10 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: BOB 10 SEC, GTS 7 1/2 min. Blowback @ BOB (FAIR)
 2nd Open: BOB 30 SEC. GAUGE GAS. BLOWBACK @ BOB (STRONG)

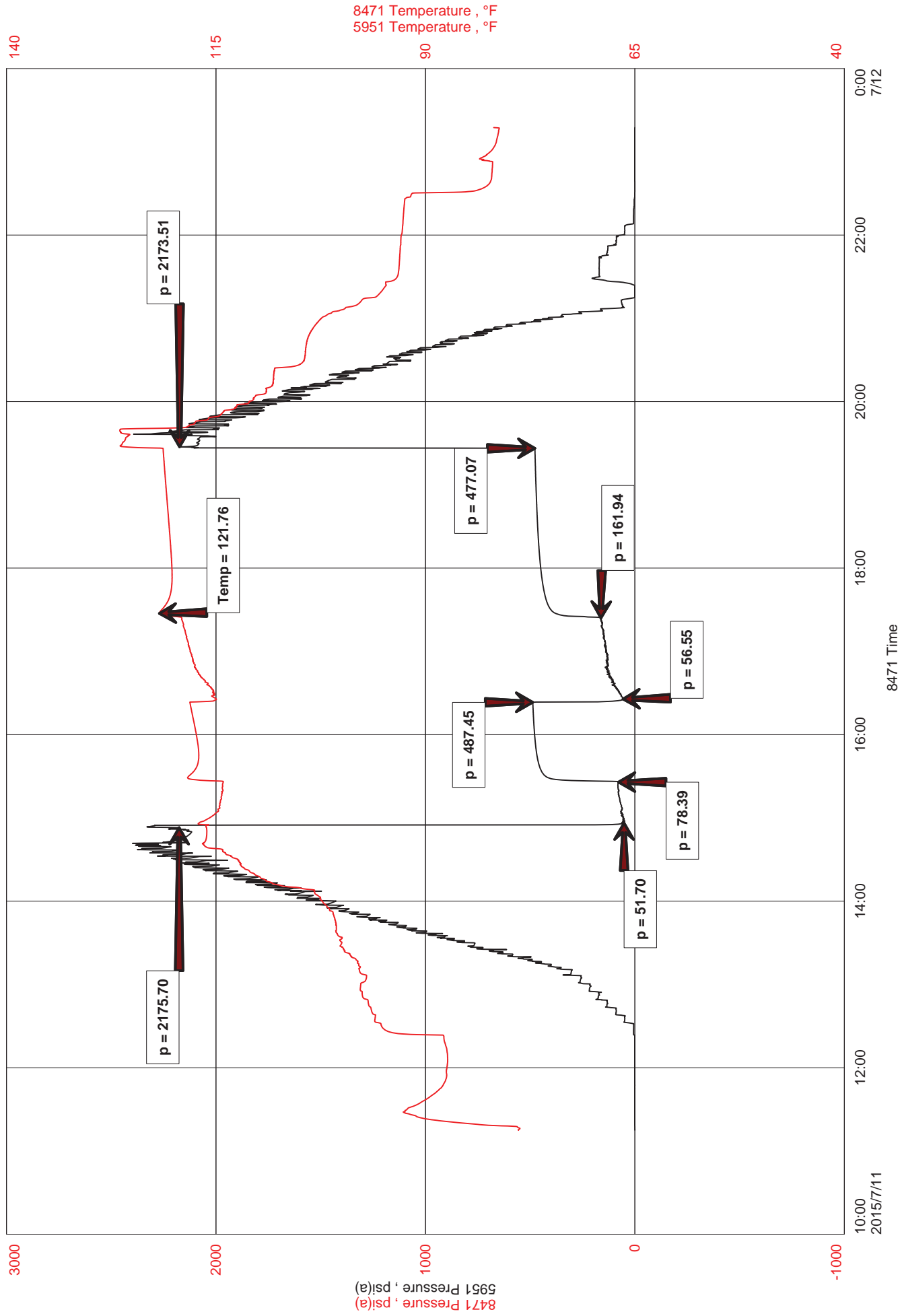
Recovered <u>20</u> ft. of <u>GSSY WC HMCO</u>	<u>20" GAS, 40" OIL, 10" WTR, 30" MUD</u>	
Recovered <u>380</u> ft. of <u>GASSY OIL</u>	<u>20" GAS, 80" OIL</u>	
Recovered <u>50</u> ft. of <u>GSSY O & M CW</u>	<u>20" GAS, 10" OIL, 50" WTR, 20" MUD</u>	
Recovered <u>---</u> ft. of <u>GRAVITY: 37 1/2 @ 60°F</u>		<u>(2 HR STANDBY)</u>
Recovered <u>---</u> ft. of <u>CHLORIDES: 99,000 PPM</u>		Price Job
Recovered <u>---</u> ft. of <u>RW: .08 SL @ 70°F</u>		Other Charges <u>J, JNT</u>
Remarks: <u>PH: 7.0</u>		<u>SH PKR X2</u>
		<u>T8 MRT (GC)</u>
		Total

Time Set Packer(s) 14:57 A.M. Time Started Off Bottom 19:27 P.M. Maximum Temperature 122°F

Initial Hydrostatic Pressure..... (A) 2176 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 52 P.S.I. to (C) 78 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 487 P.S.I.
 Final Flow Period..... Minutes 60 (E) 57 P.S.I. to (F) 162 P.S.I.
 Final Closed In Period..... Minutes 120 (G) 477 P.S.I. Thanks!
 Final Hydrostatic Pressure..... (H) 2174 P.S.I. Jacob E Johnson

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.

Powell #9-22





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: POWELL9DST4

TIME ON: 11:15
 TIME OFF: 23:19

Company BEREXCO LLC Lease & Well No. POWELL #9-22
 Contractor BEREDCO LLC RIG #1 Charge to BEREXCO LLC
 Elevation 2954' KB Formation Kansas City "B" Effective Pay _____ Ft. Ticket No. F395
 Date 7-11-15 Sec. 22 Twp. 29S S Range 33W W County HASKELL State KANSAS
 Test Approved By ED GRIEVES Diamond Representative JAKE FAHRENBRUCH

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 Packer Depth 4658 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
 Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 4641 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4659 ft. Recorder Number 8741 Cap. 10000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 (3# LCM) Drill Collar Length 616 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 3,600 P.P.M. Drill Pipe Length 4,009 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 J,J,ShPkrX2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? GTS Reversed Out NO Anchor Length 10 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: BOB 10 seconds. GTS 10 minutes. Fair blowback at BOB.
 2nd Open: BOB 30 seconds. Guage gas. strong blowback at BOB.

Recovered 20 ft. of Gssy WC HMCO 20% gas, 40% oil, 10% wtr, 30% mud
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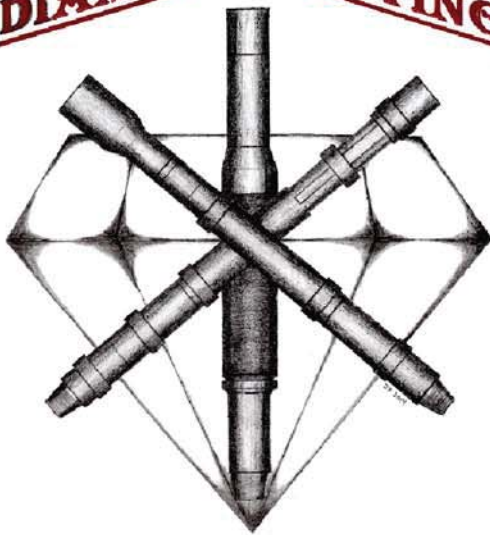
Recovered _____ ft. of <u>GRAVITY: 37.5 @ 60 F</u>	
Recovered _____ ft. of <u>CHLORIDES: 99,000 PPM</u>	Price Job
Recovered _____ ft. of <u>RW: .08 ohm @ 70 F</u>	Other Charges
Remarks: <u>PH: 7.0</u>	Insurance
	Total

Time Set Packer(s) 14:57 A.M. P.M. Time Started Off Bottom 19:27 A.M. P.M. Maximum Temperature 122 F

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DIAMOND TESTING



GAS RATE TICKET

Lease: Powell #9-22
Operator: Berexco LLC
Formation: Kansas City "B" 4658'-4668'
Field:
Location: Sec. 22 Twp. 29s Rge. 33w
County: Haskell **State:** Kansas

BOB 10 seconds, GTS 7.5 minutes. Fair blowback @ BOB
BOB 30 seconds, guage gas. Strong blowback @ BOB

Initial flow: 15 min-----.5" choke-----6.5 psi-----90,100 cf/d
30 min-----.5" choke-----4 psi-----68,800 cf/d

Final flow: 10 min-----.25" choke-----20 psi-----47,100 cf/d
20 min-----.25" choke-----18 psi-----43,900 cf/d
30 min-----.25" choke-----16.5 psi---41,650 cf/d
40 min-----.25" choke-----16 psi-----40,900 cf/d
50 min-----.25" choke-----16 psi-----40,900 cf/d
60 min-----.25" choke-----16 psi-----40,900 cf/d