



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1219947
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1219947

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Walker 11-20
Doc ID	1219947

All Electric Logs Run

Array Compensated True Resistivity Log
Borehole Compensated Sonic Array Log
Dual Spaced Neutron Spectral Density Log
Microlog

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Walker 11-20
Doc ID	1219947

Tops

Name	Top	Datum
Heebner (base)	3825	-967
Toronto	3837	-979
Lansing	3863	-1005
KS City	4225	-1367
KS City (base)	4356	-1498
Marmaton	4375	-1517
Pawnee	4452	-1594
Ft Scott	4482	-1624
Cherokee	4502	-1644
Morrow	4670	-1812
St Genevieve	4699	-1841
St Louis	4725	-1867
RTD	4900	
LTD	4934	

ALLIED OIL & GAS SERVICES, LLC 064025

Federal Tax ID. # 20-8661475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT
Oakley KS

DATE <u>10-30-14</u>	SEC. <u>20</u>	TWP. <u>23</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>12:00am</u>	JOB START <u>5:30am</u>	JOB FINISH <u>6:30am</u>
LEASE <u>Walker</u>	WELL# <u>11-20</u>	LOCATION <u>Garden City N. to Lower Rd</u>	COUNTY <u>Finney</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)		<u>1 1/2 E N into</u>					

CONTRACTOR Berexco 1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 TD. 1710'
 CASING SIZE 8 5/8 (23") DEPTH 1708'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 42.20
 CEMENT LEFT IN CSG. 42.20'
 PERFS. _____
 DISPLACEMENT 106.61 bbl water

OWNER Same 1-01
 CEMENT
 AMOUNT ORDERED 645 sks Lite type 1
3'-1.1 CC 1/4" Flo-seal, 150 sks
Com 3'-1.1 CC
 COMMON 150 sks @ 17.90 2685.00
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE 2107 # @ 1.10 2317.70
 ASC _____ @ _____
 Lite (Type 1) 645 sks @ 17.88 11582.26
 Flo-seal 110 # @ 2.97 326.70
 Material 1000 12300.00
(690.785 / @ 50)
 HANDLING 703.58 # @ 2.48 1744.87
 MILEAGE 1876.24 @ 2.25 4221.54
 TOTAL _____

PUMP TRUCK CEMENTER Paul Beaver 2
 # 423/281 HELPER Larone Wentz 1
 BULK TRUCK
 # 891/310 DRIVER Juan 2 (TWG)
 BULK TRUCK
 # 566/595 DRIVER Esteban (TWG)

REMARKS:

Run Pipe / Float equip / Drop ball, pumped ball through @ 200' C/C / Set up pump Jack, mix 645 sks Lite type 1 cement 150 sks Com. Release plug, displace w/ water plug did lead @ 1200' Float did hold. Cement did C/C whole 200' top of
Thank you Paul + Crew

CHARGE TO: Berexco LLC
 STREET _____
 CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Gilbert Davila Jr
 SIGNATURE [Signature]

SERVICE
 DEPTH OF JOB 1708'
 PUMP TRUCK CHARGE 2213.75
 EXTRA FOOTAGE @ _____
 MILEAGE MILV 50 @ 7.70 385.00
 MANIFOLD Hood @ 275.00 N/C
 MILV 50 @ 4.40 220.00
 TOTAL (3,518.99 / 35%) 16,054.28

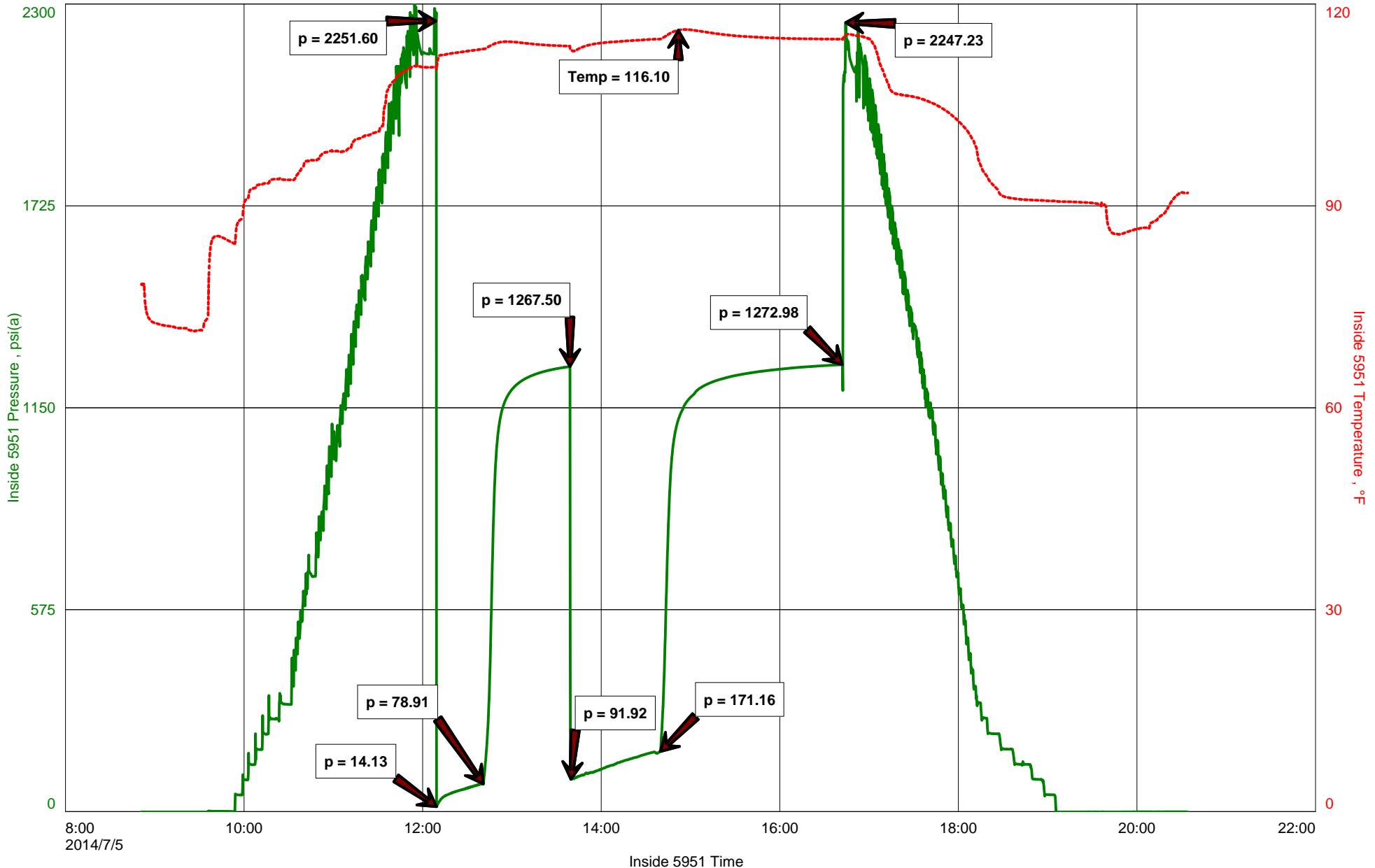
PLUG & FLOAT EQUIPMENT
Industrial Rubber (8 5/8)
 Guide shoe @ 460.00
 API Float valve @ 447.00
 Top Rubber Plug @ 131.00
 Centralizers 3 @ 75.00 225.00

(B10) (378.90 / 22%) TOTAL 1,263.00
 SALES TAX (if Any) 1428.56
 TOTAL CHARGES 29623.78 73
 DISCOUNT (12.30) 14/35% / 25% IF PAID IN 30 DAYS
19,318.58 net
59

1.3

88

Walker #11-20





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Berexco, LLC	Well Name	Walker #11-20
Well Operator	Berexco, LLC	Unique Well ID	DST #1 Pawnee 4470'-4491'
Contact	Evan Mayhew	Surface Location	Sec 20-23s-32w-Finney Co.-KS
Site Contact	Ed Grieves	Test Unit	#5
Field	Congdon North	Pool	
Well Type	Vertical	Job Number	F286
Prepared By	Jake Fahrenbruch	Qualified By	Ed Grieves

Test Information

Test Type	BH w/J&SJ	Test Purpose	Initial Test
Formation	Pawnee 4470'-4491'	Gauge Name	Inside 5951
Start Test Date	2014/07/05	Start Test Time	08:51:00
Final Test Date	2014/07/05	Final Test Time	20:37:00

Test Results

TOTAL FLUID RECOVERED: 430'

235' Gassy Oil 20%g, 80%o
 195' HGC-SWC-MCO 30%g, 45%o, 2%w, 23%m

 2970' GAS IN PIPE

 TOOL SAMPLE: Free Oil, 100%o

 Gravity: 33 (corrected to 60 Deg F)

 Bottom Hole Temp: 116 F



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
 DRILL-STEM TEST TICKET
 FILE: WALKER11DST1

ON LOCATION:	<u>07:10</u>
START RECORDERS:	<u>08:51</u>
STOP RECORDERS:	<u>20:37</u>

Company BEREXCO, LLC Lease & Well No. WALKER #11-20
 Contractor BEREDCO, LLC #1 Charge to BEREXCO, LLC
 Elevation 2858' AB 2846' GL Formation PAWNEE Effective Pay _____ Ft. Ticket No. F286
 Date 7-5-14 Sec. 20 Twp. 23S Range 32W County FINNEY State KANSAS
 Test Approved By ED GRIEVES 405 826 9027 Diamond Representative JAKE FAHRENBRUCH

Formation Test No. ONE Interval Tested from 4470 ft. to 4491 ft. Total Depth 4491 ft.
 Packer Depth 4465 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4470 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____ **FIELD: CONGDON NORTH**
 Top Recorder Depth (Inside) 4448 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4471 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 60 (2"CM) Drill Collar Length 620 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 1700 P.P.M. Drill Pipe Length 3817 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 J&J Test Tool Length THIRTY-THREE Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length TWENTY-ONE 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: BLOW INC. TO B.O.B. IN 8 MIN. BLOW BACK INC TO 2 1/2"
 2nd Open: BLOW INC. TO B.O.B. IN 5 MIN. BLOW BACK @ B.O.B. IN 15 MIN

Recovered 235 ft. of GASSY OIL 20" g, 80' o
 Recovered 195 ft. of HGC-SWC-MCO 30" g, 45' o, 2" w, 23' m
 Recovered _____ ft. of 2970' GAS IN PIPE
 Recovered _____ ft. of TOTAL RECOVERED FLUID: 430'
 Recovered _____ ft. of TOOL SAMPLE: FREE OIL, 100' o
 Recovered _____ ft. of GRAVITY: 33 (CORRECTED TO 60°F)

Remarks: _____
 Price Job
ACCESSABILITY CHARGE \$150-
JARS & S. JOINT \$325-
268 MRT (PRAT) \$375.00
 Total

Time Set Packer(s) 12:12 AM P.M. Time Started Off Bottom 4:42 AM P.M. Maximum Temperature 116 °F
 Initial Hydrostatic Pressure..... (A) 2252 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 79 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1268 P.S.I.
 Final Flow Period..... Minutes 60 (E) 92 P.S.I. to (F) 171 P.S.I.
 Final Closed In Period..... Minutes 120 (G) 1273 P.S.I. **THANKS!**
 Final Hydrostatic Pressure..... (H) 2247 P.S.I. Jake Fahrenbruch

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.



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

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

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
 DRILL-STEM TEST TICKET
 FILE: WALKER11DST2

ON LOCATION:	<u>16:45</u>	<u>7-6</u>
START RECORDERS:	<u>17:03</u>	<u>7-6</u>
STOP RECORDERS:	<u>04:36</u>	<u>7-7</u>

Company BEREXCO, LLC Lease & Well No. WALKER #11-20
 Contractor BEREDCO, LLC Charge to BEREXCO, LLC
 Elevation 2858' NB Formation FORT SCOTT Effective Pay _____ Ft. Ticket No. F287
 Date 6 JULY 2014 Sec. 20 Twp. 23 S Range 32 W County FINNEY State KANSAS
 Test Approved By ED GRIEVES Diamond Representative JAKE FAHRENBRUCH

Formation Test No. Two Interval Tested from 4492 ft. to 4512 ft. Total Depth 4512 ft.
 Packer Depth 4487 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4492 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____ FIELD: CONGRON NORTH

Top Recorder Depth (Inside) 4470 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4493 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 (2" ICM) Drill Collar Length 620 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 1700 P.P.M. Drill Pipe Length 3839 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number #5 JARS & JOINT Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 20 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: SURFACE BLOW, INC TO 1/4" IN 10 MIN. NO B.B.
 2nd Open: STARTED @ 1/2" INC TO 6 1/2" IN 60 MIN. NO B.B.

Recovered 30 ft. of G & OCM 10% G, 15% O, 75% M
 Recovered _____ ft. of 250' GAS IN PIPE

Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____
 Price Job
JARS & S. JOINT \$325.00
268 MRT (PRATT) \$375.20
ACCESS CHARGE \$150.00
 Total

Time Set Packer(s) 8:52 ~~AM~~ PM Time Started Off Bottom 1:22 ~~AM~~ PM Maximum Temperature 113°F

Initial Hydrostatic Pressure (A) 2146 P.S.I.
 Initial Flow Period Minutes 30 (B) 9 P.S.I. to (C) 17 P.S.I.
 Initial Closed In Period Minutes 60 (D) 298 P.S.I.
 Final Flow Period Minutes 60 (E) 21 P.S.I. to (F) 25 P.S.I.
 Final Closed In Period Minutes 120 (G) 649 P.S.I. THANKS!
 Final Hydrostatic Pressure (H) 2146 P.S.I. Jacob E. Fahrenbruch

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.



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

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

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

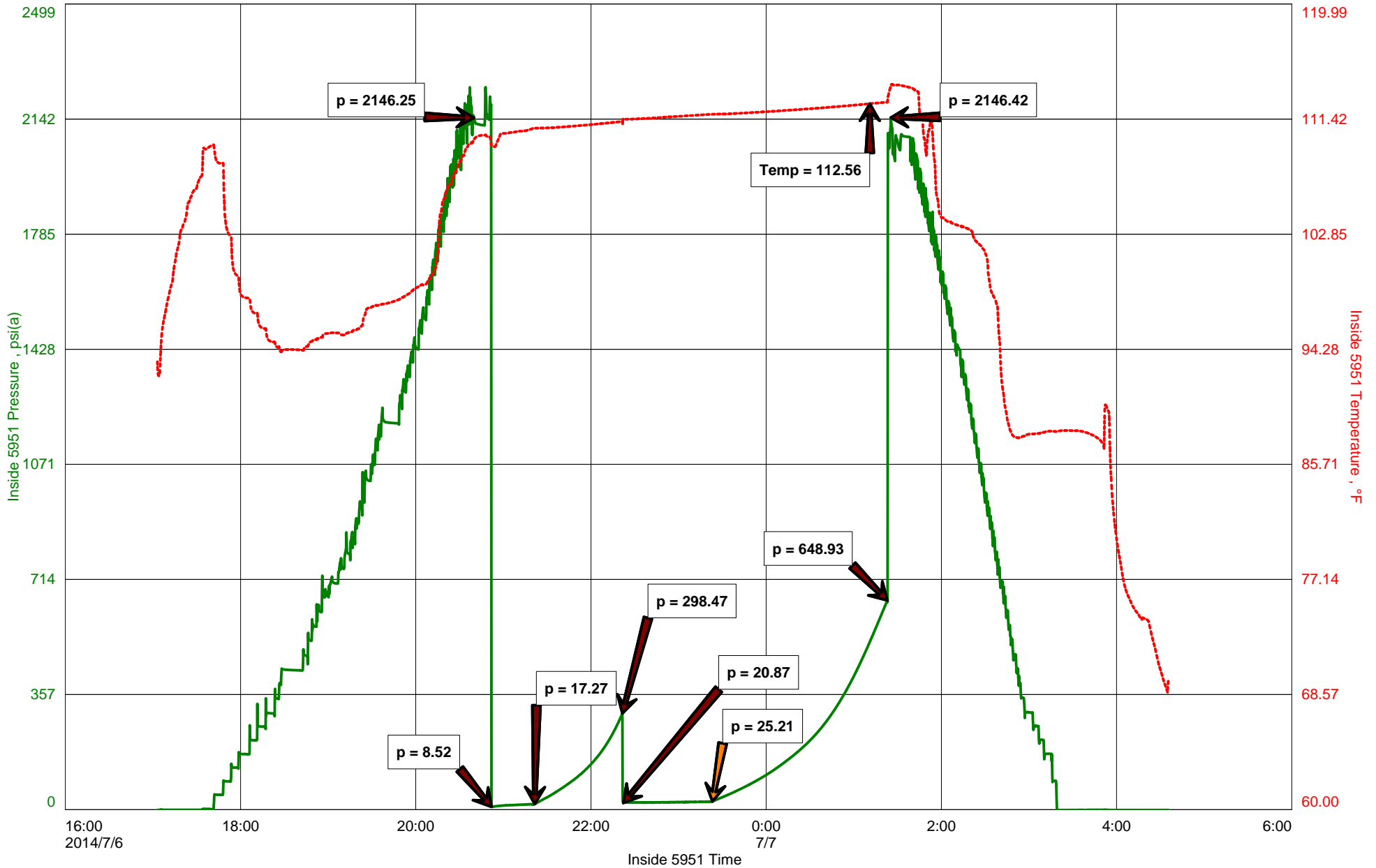
Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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.

Walker #11-20





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Berexco, LLC	Well Name	Walker #11-20
Well Operator	Berexco, LLC	Unique Well ID	DST #2 Fort Scott 4492'-4512'
Contact	Evan Mayhew	Surface Location	Sec 20-23s-32w-Finney Co.-KS
Site Contact	Ed Grieves	Test Unit	#5
Field	Congdon North	Pool	
Well Type	Vertical	Job Number	F287
Prepared By	Jake Fahrenbruch	Qualified By	Ed Grieves

Test Information

Test Type	BH w/J&SJ	Test Purpose	Initial Test
Formation	Fort Scott 4492'-4512	Gauge Name	Inside 5951
Start Test Date	2014/07/06	Start Test Time	17:03:00
Final Test Date	2014/07/07	Final Test Time	04:36:00

Test Results

Recovered:
 30' G&OCM 10%g, 15%o, 75%m

 250' Gas In Pipe



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: WALKER 11PST3

ON LOCATION:	<u>09:30</u>
START RECORDERS:	<u>10:31</u>
STOP RECORDERS:	<u>22:20</u>

Company BEREXCO, LLC Lease & Well No. WALKER #11-20
 Contractor BEREXCO, LLC Charge to BEREXCO, LLC
 Elevation 2858' KB Formation MORROW SAND Effective Pay _____ Ft. Ticket No. F288
 Date 7-8-14 Sec. 20 Twp. 23s Range 32N County FINNEY State KANSAS
 Test Approved By ED GRIEVES Diamond Representative JAKE FAHRENBRUCH

Formation Test No. THREE Interval Tested from 4653 ft. to 4691 ft. Total Depth 4691 ft.
 Packer Depth 4648 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 * Packer Depth 4653 SHALE PACKER * ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____ FIELD: CONGDON NORTH
 Top Recorder Depth (Inside) 4631 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4654 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 48 (1 1/2" LCM) Drill Collar Length 020 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 1800 P.P.M. Drill Pipe Length 3990 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 J, SJ, SH PKR Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 38 (AN PER) 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: SURFACE BLOW, INC TO 1 1/4" IN 30 MIN. NO B.B.
 2nd Open: SURFACE BLOW, INC TO 2 1/4" IN 60 MIN. NO B.B.

Recovered 1 ft. of FREE OIL 100' 0
 Recovered 94 ft. of 50# WCM 3' 0, 3' W, 94' M
 Recovered _____ ft. of _____
 Recovered _____ ft. of TOTAL FLUID REC: 95'
 Recovered _____ ft. of TOOL SAMPLE: 50# WCM 3' 0, 3' W, 94' M Price Job
 Recovered _____ ft. of _____

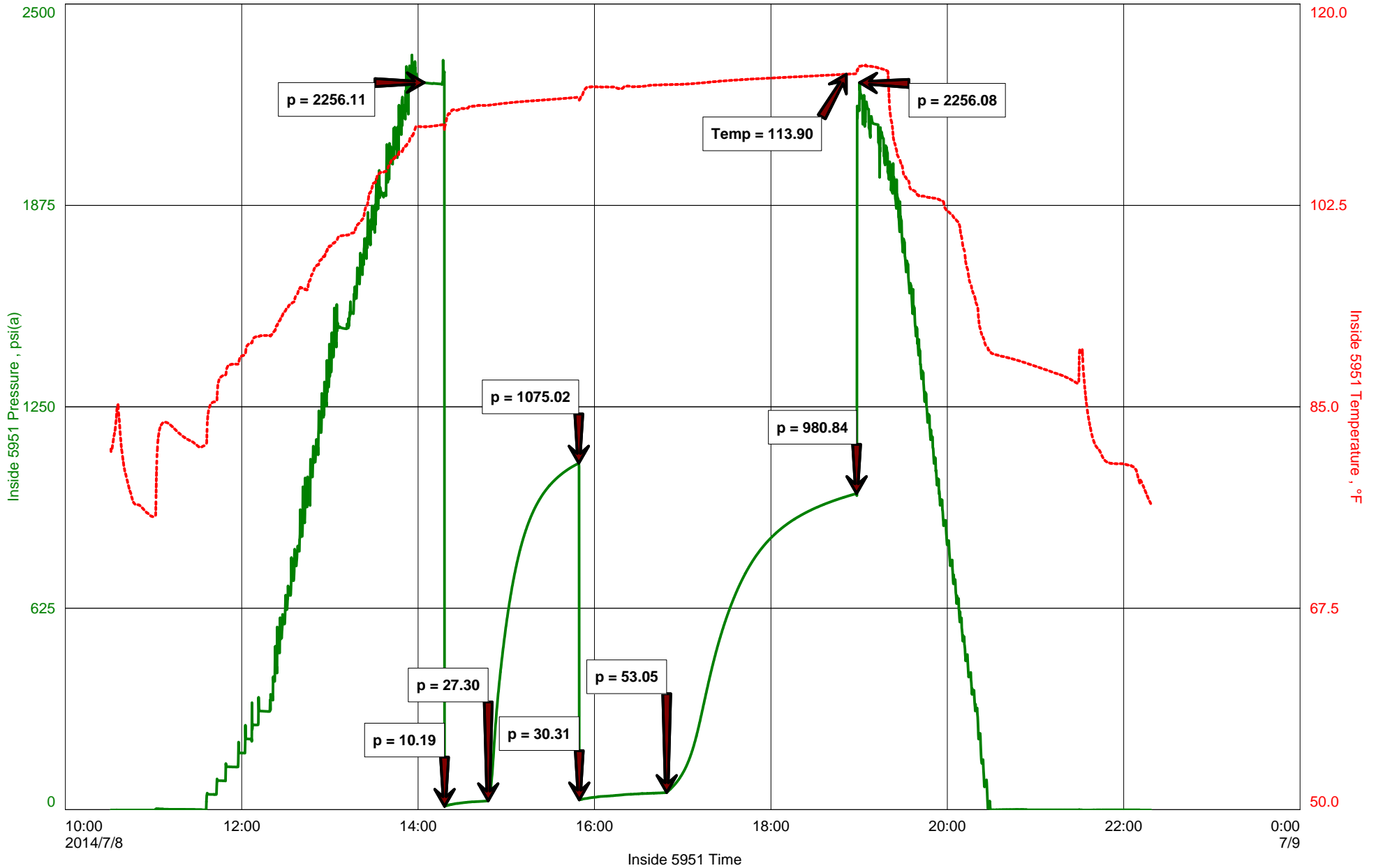
Remarks: NOT ENOUGH WATER IN GRIND OUT TUBES TO CHECK CHLORIDE CONCENTRATION.
 JARS, S. JNT, SH. PKR \$575-
 ACCESS CHARGE 3150-
 268 MRT (PRATT) 375 20
 Total

Time Set Packer(s) 2:20 ^{PM} Time Started Off Bottom 6:50 ^{PM} Maximum Temperature 114° F

Initial Hydrostatic Pressure..... (A) 2256 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 27 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1075 P.S.I.
 Final Flow Period..... Minutes 60 (E) 30 P.S.I. to (F) 53 P.S.I.
 Final Closed In Period..... Minutes 120 (G) 981 P.S.I. THANKS!
 Final Hydrostatic Pressure..... (H) 2256 P.S.I. Jacob C. 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.

Walker #11-20





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Berexco, LLC	Well Name	Walker #11-20
Well Operator	Berexco, LLC	Unique Well ID	DST #3 Morrow Sand 4653'-4691'
Contact	Evan Mayhew	Surface Location	Sec 20-23s-32w-Finney Co.-KS
Site Contact	Ed Grieves	Test Unit	#5
Field	Congdon North	Pool	
Well Type	Vertical	Job Number	F288
Prepared By	Jake Fahrenbruch	Qualified By	Ed Grieves

Test Information

Test Type	BH w/ jars, s. joint, sh. packer	Test Purpose	Initial Test
Formation	Morrow Sand 4653'-4691'	Gauge Name	Inside 5951
Start Test Date	2014/07/08	Start Test Time	10:31:00
Final Test Date	2014/07/08	Final Test Time	22:20:00

Test Results

Total Fluid Recovered: 95'

1'	Free Oil	100%o	
94'	SO&WCM	3%o, 3%w, 96%m	
-----	Tool Sample:	SO&WCM	3%o, 3%w, 96%m
-----	Not enough water in grind out tube to check chloride concentration.		



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

TIME ON: 8-Jul 10:31 am
 TIME OFF: 8-Jul 10:20 pm

DRILL-STEM TEST TICKET
 FILE: **WALKER11DST2**

Company Berexco, LLC Lease & Well No. Walker # 11-20
 Contractor Beredco, LLC #1 Charge to Berexco, LLC
 Elevation 2858'KB Formation Morrow Sand Effective Pay _____ Ft. Ticket No. F288
 Date 8-Jul-2014 Sec. 20 Twp. 23 S Range 32 W County Finney State KANSAS
 Test Approved By Ed Grieves Diamond Representative Jake Fahrenbruch

Formation Test No. THREE Interval Tested from 4,653 ft. to 4,691 ft. Total Depth 4,691 ft.
 Packer Depth 4,648 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4,653 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4,631 ft. Recorder Number 5,951 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 4,654 ft. Recorder Number 5,584 Cap. 5,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 48 (1.5# LCM) Drill Collar Length 620 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,800 P.P.M. Drill Pipe Length 3,990 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5(jars, s. joint, sh. packer) Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NA Reversed Out NA Anchor Length 38 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Anchor made up of all perf. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow, inc to 1.25" in 30 min. No B.B.
 2nd Open: Surface blow, inc to 2.25" in 60 min. No B.B.

Recovered 1 ft. of Free Oil 100%
 Recovered 94 ft. of SO&WCM 3%, 3%w, 96%m
 Recovered _____ ft. of Total Recovered Fluid: 95'
 Recovered _____ ft. of Tool Sample: SO&WCM 3%, 3%w, 96%m

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Access Chg. <u>\$150.00</u>
Remarks: <u>Not enough water in grind out tubes to check chloride concentration.</u>	Other Charges <u>\$375.20</u>
	<small>268 MILES R.T. @ \$1.40 / MILE</small>
	Insurance <u>\$325.00</u>
	<small>Jars & Safety Joint, Shale Packer</small>
	Total

Time Set Packer(s) 2:20 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 6:50 PM ^{A.M.}/_{P.M.} Maximum Temperature 114 F

Initial Hydrostatic Pressure..... (A) 2,256 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 27 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1,075 P.S.I.
 Final Flow Period..... Minutes 60 (E) 30 P.S.I. to (F) 53 P.S.I.
 Final Closed In Period..... Minutes 120 (G) 981 P.S.I.
 Final Hydrostatic Pressure..... (H) 2,256 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.



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: WALKER11DST4

ON LOCATION:	<u>21:00</u>	<u>7-9</u>
START RECORDERS:	<u>2104</u>	<u>7-9</u>
STOP RECORDERS:	<u>08:28</u>	<u>7-10</u>

Company BEREXCO, LLC Lease & Well No. WALKER #11-20
 Contractor BEREXCO, LLC #1 Charge to BEREXCO, LLC
 Elevation 2858' KB Formation ST. LOUIS C" Effective Pay _____ Ft. Ticket No. F289
 Date 7-10-14 Sec. 20 Twp. 23 S Range 32 W County FINNEY State KANSAS
 Test Approved By ED GRIEVES Diamond Representative JAKE FAHRENBRUCH

Formation Test No. FOUR Interval Tested from 4778 ft. to 4801 ft. Total Depth 4801 ft.
 Packer Depth 4773 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4778 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4756 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4779 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 47 (1"CM) Drill Collar Length 620 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 11.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 4900 P.P.M. Drill Pipe Length 4125 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 JFS Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 23 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size ALL PERF in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SURFACE BLOW, INC TO 1 3/4" NO B.B.
 2nd Open: WEAK SURFACE BLOW, INC TO 1/4" NO B.B.

Recovered 45 ft. of OS SWCM 2' o, 3' w, 95' m
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Price Job	JARS JSJ \$325.00
	ACCESS CHG \$150.00
	5 1/2", 10' o, 3' w, 82' m 268 MRT (PRAT) \$375.20
Total	

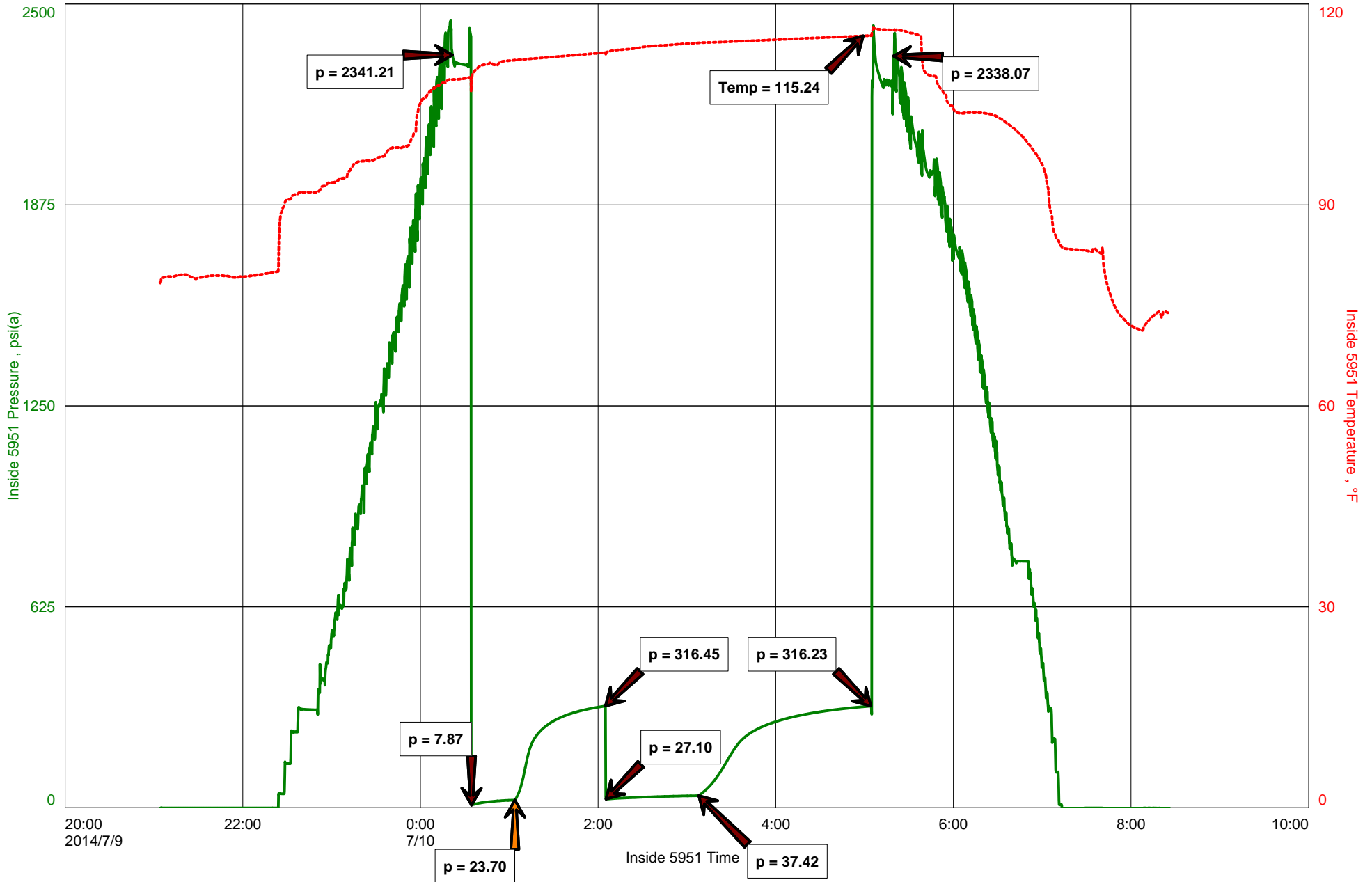
Remarks: TOOL SAMPLE: SGC SWC OCM

Time Set Packer(s) 12:35 ^{AM}/_{PM} Time Started Off Bottom 5:05 ^{AM}/_{PM} Maximum Temperature 115 °F

Initial Hydrostatic Pressure..... (A) 2341 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 24 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 316 P.S.I.
 Final Flow Period..... Minutes 60 (E) 27 P.S.I. to (F) 37 P.S.I.
 Final Closed In Period..... Minutes 120 (G) 316 P.S.I. THANKS!
 Final Hydrostatic Pressure..... (H) 2338 P.S.I. Jake Fahrenbruch

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Walker #11-20





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Berexco, LLC	Well Name	Walker #11-20
Well Operator	Berexco, LLC	Unique Well ID	DST #4, St.Louis "C", 4778'- 4801'
Contact	Evan Mayhew	Surface Location	Sec 20-23s-32w-Finney Co.-KS
Site Contact	Ed Grieves	Test Unit	#5
Field	Congdon North	Pool	
Well Type	Vertical	Job Number	F289
Prepared By	Jake Fahrenbruch	Qualified By	Ed Grieves

Test Information

Test Type	BH w/ J&SJ	Test Purpose	Initial Test
Formation	St. Louis "C" 4778'-4801'	Gauge Name	Inside 5951
Start Test Date	2014/07/09	Start Test Time	21:04:00
Final Test Date	2014/07/10	Final Test Time	08:28:00

Test Results

Recovered:

45'	OS SWCM	2%o, 3%w, 95%m
----	Tool Sample:	SGC SWC OCM 5%g, 10%o, 3%w, 82%m



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

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

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG

WEL
FILE

COMPANY Berexco LLC
 LEASE Walker NO. 11-20
 LOCATION 560' FSL + 660' FEL
 SEC. 20 TWP. 23S RNG. 32W
 COUNTY Finney, STATE Kansas
 FIELD Congdon North

CONTRACTOR Berexco Dalg Rig #1
 COMM. 6-27-2014 COMP. 7-11-2014
 RTD 4900 LTD 4934
 No. of DST'S 4 No. of CORES None

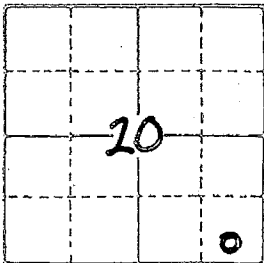
SAMPLES SAVED FROM 3600 TO TD
 DRILLING TIME KEPT FROM 3600 TO TD
 SAMPLES EXAMINED FROM 3600 TO TD
 GEOLOGICAL SUPERVISION FROM 3600 TO TD
 GEOLOGIST ON WELL Edwin H. Grieves

FORMATION TOPS	SAMPLE	LOG	SURSEA
<u>Base Heebner</u>	<u>3792</u>	<u>3825</u>	<u>- 967</u>
<u>Toronto</u>	<u>3804</u>	<u>3837</u>	<u>- 979</u>
<u>Lansing Fm</u>	<u>3830</u>	<u>3863</u>	<u>- 1005</u>
<u>Kansas City Fm</u>	<u>4204</u>	<u>4225</u>	<u>- 1367</u>
<u>BKC</u>	<u>4330</u>	<u>4356</u>	<u>- 1498</u>
<u>Mazon</u>	<u>4356</u>	<u>4375</u>	<u>- 1517</u>
<u>Pawnee</u>	<u>4431</u>	<u>4452</u>	<u>- 1594</u>
<u>Ft. Scott</u>	<u>4459</u>	<u>4482</u>	<u>- 1624</u>
<u>Cherokee</u>	<u>4478</u>	<u>4502</u>	<u>- 1644</u>
<u>Morrow Fm</u>	<u>4626</u>	<u>4670</u>	<u>- 1812</u>
<u>St. Genevieve</u>	<u>4645</u>	<u>4699</u>	<u>- 1841</u>
<u>St. Louis</u>	<u>4688</u>	<u>4725</u>	<u>- 1867</u>
<u>St. Louis "C"</u>	<u>4750</u>	<u>4780</u>	<u>- 1922</u>
<u>TD</u>	<u>4900</u>		

ELEVATIONS
 KB 2858
 DF 2856
 GL 2846
 MEASUREMENTS ARE ALL FROM KB

CASING RECORD
8 7/8" of 1705' w/ 715 SX.
 of w/ SX.
 of w/ SX.
 of w/ SX.

EL. LOG AR-RES-SP-GR
DEM-NEUT-GR-CALIPER
ML-SONIC



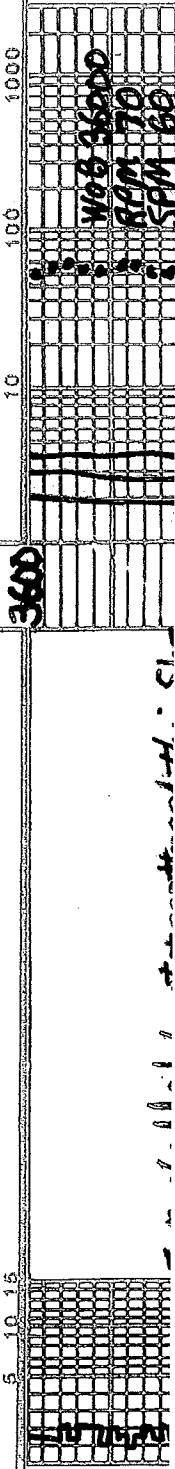
API# 15-055-22318

REMARKS Each Test had an unmanured gas detection trailer on this well from 3600 feet to total depth.

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LITHOLOGY
 SANDSTONE
 LIMESTONE
 SHALE
 GYPSUM
 CHROMATOGRAPH
 HOT WIRE BY TOTAL GAS VOLUME
 SURSTONE
 DOLOMITE
 GRANITE WASH
 SAND & GYP

DRILL TIME SCALE
 SAMPLE DESCRIPTION
 GAS SCALE



C1 = METHANE
 C2 = ETHANE
 C3 = PROPANE
 C4 = ISOBUTANE
 C5 = BUTANE
 C6 = ISOPENTANE
 C7 = PENTANE

WOB 3600
 FROM TO
 SPIN 60

DRILL TIME
SCALE

SAMPLE DESCRIPTION

GAS SCALE

5 10 15

3600

10

100

1000

Interbedded Lms. & scattered thin Shs
② Faster Drg. Lms. tan to abn wht to
cam-chlk & tan; crypto. to v.v. fm. x.lns
sub-chlk, sub-sucro. to sucro.; abn. w
phantom oolites of a phantom
oolitic; dul. yel. & dul H. to test. yel.
fluor.; No cut; abn. pr. to fr. & thuy
tes. micro-pp & prob. interxn. por.

③ Slower Drg. Lms. grayish tan to tan;
crypto. to v.v. fm. x.lns; sub-chlks; sub-sucro
& packstn; dul. yel. to dul H. yel. fluor.;
No cut; No vis. por.

④ Scattered thin Shs. med. to d. sh.
gray; sl. to v. calc. 1 P's.

Sh. v. d. dk. gray to blk - carb

3691-3784 Interbedded Limestones
& scattered thin Shales similar
3600-3688

Sh. v. d. dk. gray to black - carb

Sh. lt. gray, greenish 1 P's

Lms. hyp. tes. wht to cam-chlk & arg. to tan
crypto. to v.v. fm. x.lns; tes. sub-chlk; sub-sucro. to
sucro. & tes. packstn; abn. phantom oolitic
dul. H. to tes. H. yel. fluor.; No cut; hyp. tes. or
to fr. & sl. tes. gd. micro-pp; sucro. med. to
3815-30 Lms. lt. gray, grayish tan to tan; crypto.
to v.v. fm. x.lns; sub-chlk, sub-sucro. to packstn; dul.
H. yel. fluor. 1 P's No cut; No vis. por
x.lns; sub-sucro. to v. sucro.; H. yel. fluor.
No cut; No vis. por.

3834-75 Lms. lt. gray, grayish tan to tan;
crypto. to v.v. fm. x.lns; sub-chlk; sub-sucro
& packstn; tes. phantom oolitic; tes
tes. oolitic; dul. yel. fluor. 1 P's
No cut; No vis. por.

3875-83 Lms. abn. wht to cam-chlk &
lt. tan to tan; crypto. to v.v. fm. x.lns
sub-chlk, sub-sucro. to sucro.; tes
phantom oolitic; tes. tes. tes. tes. tes
oolitic; dul. H. to H. yel. fluor.; No cut
abn. pr. to fr. & thuy tes. ex. mic. pp
& prob. interxn. por. 1 P's.

2002. 2001. 2000. 1999. 1998. 1997.

WOB 3600
RAM TO
SPIN TO
PP 1100

COAL

BLK SH 800

Cam BSS 800

Base Hebbner
3788 - 930

BLK SH 870

To Romo

3800

3800 - 942

COAL

LANSING FM

3830 - 972

Pass Show

1300

1200

1100

1000

sub-sucrose packed tan, dul. yel, dul
fl. yel to tes fl. yel. Fluor; No cut;
very fine p.p. to 1/16 to 1/32 to 1/64
colicastic p.p.; Very faint. Fair

4175-4198 Lms. H. gray to tan;
CRYPTO to v.v. fn. xlm; tes sub-sucrose
packed tan & sub-1/16 to gray, dul. yel.
Fluor; No cut; No Vis pore

sh. v. dark gray to black-carb.

lms. similar 4175-4498

Sh. v. dark gray to black-carb
interbedded limestones

① Lms. tes. carb. sh. 1/16 to 1/32 to 1/64
CRYPTO to v.v. fn. v.b. tes sub-shlk
sub-sucrose; packed tan. tes. sub-shlk
dul. yel. fluor; No cut; No Vis pore

② Lms. H. to med. gray - sh to v. shly. 1/16 to
CRYPTO. to v.v. fn. xlm; sub-sucrose
sub-sucrose & packed tan; No fluor; No Vis pore

③ TRAC. Chert gray. To tan; opaque
4287-4296 lms. hvy. tes cam-shlk
& tan; v. fn. xlm. w/ tes crypto sh. i
tes. sub-shlk; sub-sucrose to v. v. shly.
phantom oil sh. to 1/16 to 1/32 to 1/64
No cuts abn. p.p. to 1/16 to 1/32 to 1/64
mexico p.p. & into carb. p.p.

4296-4330 Lms. H. gray to tan; crypto
to v.v. fn. xlm; sub-shlk; sub-sucrose
packed tan & sub-1/16 to gray
dul. yel. fluor; No cut; No Vis pore

4330-4356 lms. H. to med. gray; crypto
to v.v. fn. xlm; sub-shlk; sub-sucrose
packed tan & sub-1/16 to gray
dul. yel. fluor; No cut; No Vis pore

4356-4369 lms. med. to h. gray; tanish
gray to crypto; tan; tan; crypto; to
v.v. fn. xlm; shly. 1/16 to 1/32 to 1/64
sub-sucrose packed tan; dul. yel. fluor; No
cuts; No Vis pore

4369-4371 Lms. tan w/v. 3/64
spind to even brown oil sh.
faint oil sh.; crypto to v. fn. xlm.
w/ a few med. to coarse xlm.
embedded med. to coarse xlm.
sub-sucrose to v. sucrose; w/ packed tan
abn. carb. p.p. & into carb. p.p.
yel. fluor. w/ flash to carb. sh. & p.p.
cuts; abn. p.p. & into carb. p.p.
mexico p.p. & into carb. p.p.

4371-4417 Lms. similar 4369

④ 4417-28 Lms. tes. carb. sh. 1/16 to 1/32 to 1/64
CRYPTO to v.v. fn. xlm; v. to crypto
oil sh.; mat. oil sh. sub-shlk; sub-sucrose
& packed tan; dul. H. to fl. yel. fluor; No
Vis pore

⑤ 4420-31 sh. v. dark gray to blk
A ⑥ 4431-41 Lms H. gray to tan; crypto
to v.v. fn. xlm; sub-sucrose to 1/16 to 1/32 to 1/64
dul. yel. fluor; No cut; No Vis pore
⑦ Lms. H. to tan; tan; crypto; to even
phantom oil sh. to 1/16 to 1/32 to 1/64
sh. to v. sucrose; tes. carb. p.p. & into carb. p.p.
mexico p.p. & into carb. p.p.

Kansas City

420-4
-1946
BLK 517524

Con Gas 741

BLK 517524

Con Gas 741

Con Gas 741

BLK
4330
-1472

M.R.M. 01A
4-3-56
-1479

Con Gas 741
1254

1254?
-1479

Con Gas 741

Con Gas 741

Con Gas 741

Con Gas 741

Con Gas 741

Con Gas 741

4600-4750 Lms has wht. to greenish
 + tan grayish. If crypto to v. wh
 xln; sl. to extra. eolithes in med
 + lg matrix has chlt, fss, submed
 sub-succ + pasc. d. l. No vel
 to has H. vel. fluor; No cut. No vis for

4750-4762 Lms. Sl. has wht.
 chlt + can. to H. tan, crypto
 to v. fr xln. i. extra. eolithes
 (sm med lg) in a trix in v. few
 clusters. sub-succ. No vis for

4762-4772 Lms. tan crypto to v. fr
 xln; abn oolithes (sm, med + lg)
 matrix sub-alk. sub-succ +
 pasc. to p. vel. fluor; No cut
 No vis for. w/ f. as w/ tan to
 blk oil stn. gln. vel. fluor
 faint stamp to g. Ringents

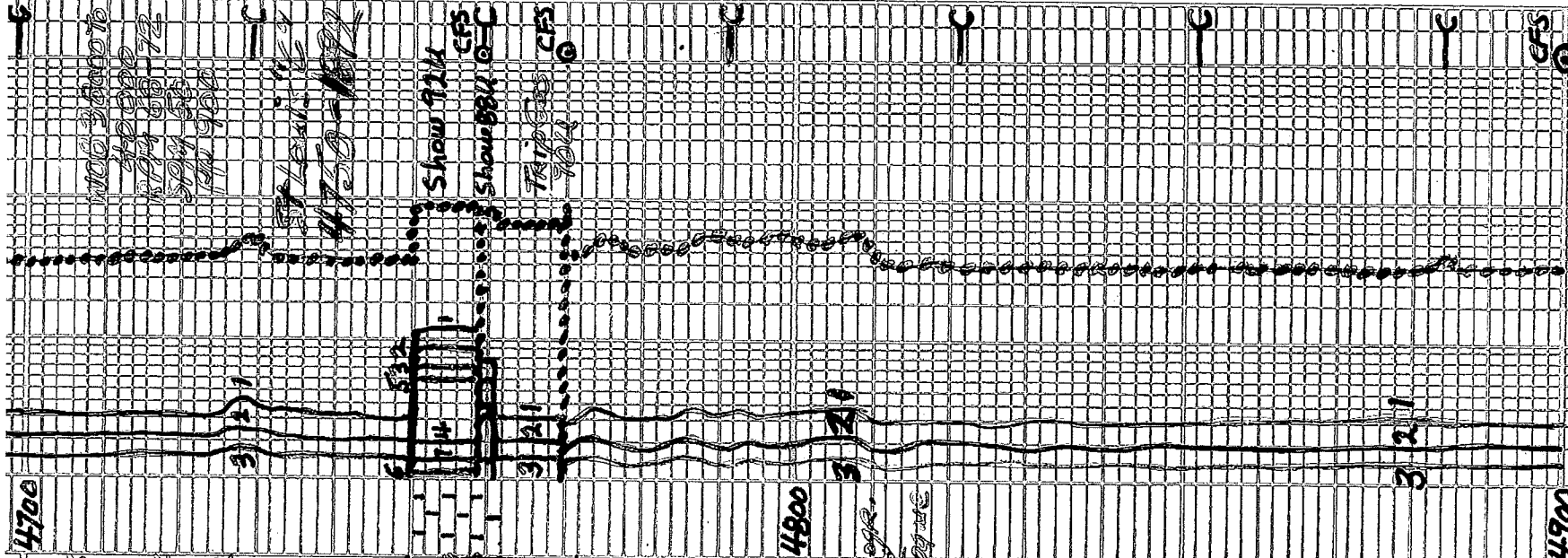
4772-4820 Intereb. top Gradational
 Limestones w/ tan chert
 ① Lms. similar 4762-72 w/ no apparent
 fractures or shows
 ② Lms. H. gray. crypto. xln. pasc. to sub-succ. No vis for
 d. l. H. vel. fluor; No cut. No vis for
 ③ has chert with pasc. to orange pasc.

4820-4900 Interbedded top
 Gradational lms + w/ chert
 similar 4772-4820
 w/ decrease in lms # 1 and
 an increase in lms # 2

TD 4900
 7/8 inch Bit Info:
 #1 New STC FHI 18 VVPS
 in @ 1700 out @ 4900

Dev. Surv. only ones available
 1. 4660 1 3/4 2. 4900 0 3/4 TD
 Core Points
 1. 3882 5 4630 9. 4900 TD
 2. 4390 6 4660
 3. 4460 7 4759
 4. 4481 8 4770

DST #1 Pawnee 4439-4460
 TD 806 in 8 min FO 808 in 5 min
 REC 2970' GIP + 4504' fluid
 135 Gussy Oil 2025' + 806 C
 195 2025' 4560' 2025' + 236' M
 Oil 5 min. 33 API must be all
 IHP 2252 #
 IFP 14 to 19 # in 30 min.
 ISIP 1268 # in 60 min.
 FFP 92 to 171 # in 60 min.
 FSIP 1273 # in 120 min.
 FHP 2247 #



DST #1
 see table

in ST # 1 etc. with block 1 - 44821

IHP 2252# in 30 min.
 IFF 14 to 19# in 60 min.
 ISIP 1268# in 60 min.
 FFP 92 to 171# in 60 min.
 FSIP 1273# in 120 min.
 FHP 2247#

DST#2 Ft Scott 4461-4481
 IO surf. blow to 1/4" in 10 min.
 FO 1 1/2" built to 6 1/2" in 60 min.
 Rec 250' GIP 103 F; 158 G; 758 M
 30 G+06 M
 Max Temp 1130 F
 IHP 2146#
 IFF 9 to 17# in 30 min.
 ISIP 298# in 60 min.
 FFP 21 to 25# in 60 min.
 FSIP 649# in 120 min.
 FHP 2146#

DST#3 Morrow Salt Hall-460
 IO surf. blow to 1/4" in 30 min.
 FO surf. blow to 2 1/4" in 60 min.
 Rec: 1 ft Oil
 94 ft sol w/cm 320; 33 W + 948 M
 Max Temp 1140 F
 IHP 2256#
 IFF 10 to 27# in 30 min.
 ISIP 1075# in 60 min.
 FFP 30 to 53# in 60 min.
 FSIP 981# in 120 min.
 FHP 2256#

DST#4 St Louis Co 4747-4770
 IO surf. blow to 1 3/4" in 30 min.
 FO surf. blow to 1/4" Fom 60 min.
 Rec 45" 280; 32 W + 958 M
 Tool Samp 58 G; 1080; 33 W; 828 M
 Max Temp 1150 F
 IHP 2341#
 IFF 8 to 24# in 30 min.
 ISIP 316# in 60 min.
 FFP 27-37# in 60 min.
 FSIP 316# in 120 min.
 FHP 2338#

Daily Dalg. Progress:

- 3600 At 3:11 AM 7-3-14
- 3723 At 7:00 AM 7-3-14
- 4244 At 7:00 AM 7-4-14
- 4466 At 7:00 AM 7-5-14
- 4460 At 7:00 AM 7-6-14
- 4481 At 7:00 AM 7-7-14
- 4660 At 7:00 AM 7-8-14
- 4686 At 7:00 AM 7-9-14
- 4770 At 7:00 AM 7-10-14
- 4900 At 7:00 AM 7-11-14

Date	7-2	7-3	7-4	7-5	7-6	7-7	7-8	7-9	7-10
Time	8:25 AM	11:30 AM	6:30 AM	6:15 PM	8:45 AM	8:45 AM	6:45 AM	7:15 AM	10:15 AM
Depth	357	381	433	440	448	448	460	468	470
WT	9.35	9.05	9.2	9.4	9.1	9.1	9.25	9.2	9.4
Vis	36	44	53	57	52	48	48	47	49
PV	3	13	16	18	17	15	14	15	16
YP	4	14	18	21	18	16	15	16	17
GS	3/5	19/46	11/53	19/62	11/52	16/48	19/45	19/44	16/49
WL	NC	8.8	9.2	7.6	8.8	8.0	8.8	11.2	9.2
Cake	-	1/32	1/32	1/32	1/32	1/32	1/32	1/32	1/32
pH	7.0	10.5	10.0	10.5	11.0	10.0	11.0	10.5	9.5
Cal	1650 g/m	1700	1100	1700	1650	1650	1650	1650	1650

1HP 234# in 30 min.
 15IP 316# in 60 min.
 27-37# in 60 min.
 316# in 20 min.
 2338#

Daily Dalg. Progress:

1. 3600 At 3:11 AM 7-3-14
2. 3729 At 7:00 AM 7-3-14
3. 4244 At 7:00 AM 7-4-14
4. 4460 At 7:00 AM 7-5-14
5. 4460 At 7:00 AM 7-6-14
6. 4481 At 7:00 AM 7-7-14
7. 4660 At 7:00 AM 7-8-14
8. 4686 At 7:00 AM 7-9-14
9. 4770 At 7:00 AM 7-10-14
10. 4900 At 7:00 AM 7-11-14

Date	7-2	7-3	7-4	7-5	7-6	7-7	7-8	7-9	7-10
Time	8:45 AM	8:25 AM	11:30 AM	6:46 PM	1:15 PM	8:45 AM	6:45 AM	7:15 AM	10:15 AM
Depth	3151	3816	4933	4460	4481	4481	4481	4481	4481
WT	9.35	9.05	9.3	9.4	9.1	9.1	9.35	9.25	9.4
Vis	36	44	53	57	52	48	48	47	49
PV	3	13	16	18	17	15	14	15	16
YP	4	14	18	21	18	16	15	16	17
GS	3/5	19/66	17/53	19/52	17/52	16/48	16/45	15/44	16/44
WL	NC	8.8	9.2	7.6	8.8	8.0	8.8	11.2	9.2
Clake	-	1/32	1/32	1/32	1/32	1/32	1/32	1/32	1/32
pH	7.0	10.5	10.0	10.5	11.0	10.0	11.0	10.5	9.5
Chl	16500	3400	1700	1100	1700	1450	1800	1900	5800
Ca	HVY	20	20	20	20	20	20	40	20
LCM	2	1 1/2	2	2	2	2	1 1/2	1	1 1/2

OPERATOR Berexco LLC
 LEASE Walker
 ELEVATION 2858 KA RTD 4900

LOCATION 560' FSL + 660' FEL
 SEC 20 TWP. 23S RANG. 32W
 COUNTY Finney STATE Kansas

