

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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	Stacy 1-24
Doc ID	1314785

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Stacy 1-24
Doc ID	1314785

Tops

Name	Top	Datum
Heebner Shale (base)	3917	-972
Toronto	3926	-981
Lansing	3957	-1012
Kansas City	4387	-1442
Kansas City (base)	4520	-1575
Marmaton	4537	-1592
Pawnee	4626	-1681
Ft. Scott	4664	-1719
Cherokee	4678	-1733
Morrow	4948	-2003
Chester	5046	-2101
St. Louis	5130	-2185
RTD	5340	-2395
LTD	5335	-2390

Summary of Changes

Lease Name and Number: Stacy 1-24

API/Permit #: 15-055-22374-00-00

Doc ID: 1314785

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	04/28/2015	08/18/2016
Completion Or Recompletion Date	02/25/2015	02/12/2015
Save Link	../kcc/detail/operatorE ditDetail.cfm?docID=12 50284	../kcc/detail/operatorE ditDetail.cfm?docID=13 14785



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1250284
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed

Form must be Signed

All blanks must be Filled

CONFIDENTIAL 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: _____

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Stacy 1-24
Doc ID	1250284

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Stacy 1-24
Doc ID	1250284

Tops

Name	Top	Datum
Heebner Shale (base)	3917	-972
Toronto	3926	-981
Lansing	3957	-1012
Kansas City	4387	-1442
Kansas City (base)	4520	-1575
Marmaton	4537	-1592
Pawnee	4626	-1681
Ft. Scott	4664	-1719
Cherokee	4678	-1733
Morrow	4948	-2003
Chester	5046	-2101
St. Louis	5130	-2185
RTD	5340	-2395
LTD	5335	-2390

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Stacy 1-24
Doc ID	1250284

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5038 - 5042	500 gals 7.5% MCA	5038 - 5042
2	4981 - 4992	1250 gals 7.5% MCA+25 ball sealers	4981 - 4992
	4981 - 5042	35,500 gals gelled wtr & 49,500# 20/40 white sand	4981 - 5042

ALLIED OIL & GAS SERVICES, LLC 064801

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Dekly, KS

DATE <u>1-3-15</u>	SEC <u>24</u>	TWP <u>26 S</u>	RANGE <u>34 W</u>	CALLED OUT	ON LOCATION <u>2:00 a.m.</u>	JOB START <u>6:30 a.m.</u>	JOB FINISH <u>7:30 p.m.</u>
LEASE <u>Stacy</u>	WELL # <u>124</u>	LOCATION <u>Garden City Sto TV Rel</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>6 1/4 W, 5th Winto</u>			

CONTRACTOR <u>Berexco 1</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>1792'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>1792'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.20'</u>
CEMENT LEFT IN CSG. <u>42.20'</u>	
PERFS.	
DISPLACEMENT <u>111.46 bbl #20</u>	

CEMENT		
AMOUNT ORDERED	<u>625 sks class A type I</u>	
	<u>Lite, 150 sks Com 3.7 CC 1/4" Flo</u>	
	<u>seal</u>	
COMMON	<u>150 sks @ 17.90</u>	<u>2685.00</u>
POZMIX	@	
GEL	@	
CHLORIDE	<u>2855" @ 1.10</u>	<u>2260.50</u>
ASC	@	
Flo-seal	<u>195" @ 2.97</u>	<u>579.15</u>
gilsomite	<u>312.5" @ .98</u>	<u>3062.50</u>
class A Lite	<u>625 sks @ 19.88</u>	<u>12,425.00</u>
	@	
Material Total	@	<u>21,621.15</u>
	@	
	<u>(7,354.25 / 35%)</u>	
	@	
HANDLING	<u>921.65 ft³ @ 2.48</u>	<u>2285.68</u>
MILEAGE	<u>1927.76 @ 2.75</u>	<u>5301.35</u>
		TOTAL

EQUIPMENT	
PUMP TRUCK # <u>120</u>	CEMENTER <u>Paul Beaver</u>
	HELPER <u>Tyler Flipse / Juan 3</u>
BULK TRUCK # <u>810/241</u>	DRIVER <u>George Grant</u>
BULK TRUCK # <u>1009/239</u>	DRIVER <u>Pat Newell (Great Bend)</u>

REMARKS:
Run casing / Float equip / Drop ball,
pump ball through @ 400' @, mix 625
sks Lite tail w/ 150 sks Com, wash up
to pit, release plug, Displace w/ water,
plug did land, lift 500', Float
did hold, cement did cure

Thank you!
Paul + Crew

SERVICE		
DEPTH OF JOB	<u>1792'</u>	
PUMP TRUCK CHARGE		<u>2213.75</u>
EXTRA FOOTAGE	@	
MILEAGE <u>MLLV 50</u>	@ <u>7.70</u>	<u>385.00</u>
MANIFOLD <u>Head</u>	@	<u>N/C</u>
<u>MLLV</u>	@	<u>N/C</u>
	@	
	<u>(3565.02 / 35%)</u>	
		TOTAL <u>10,185.78</u>

PLUG & FLOAT EQUIPMENT		
<u>Industrial Rubber (8 5/8)</u>		
<u>Guide shoe</u>	@	<u>460.00</u>
<u>AFU Float valve</u>	@	<u>447.00</u>
<u>Top Rubber plug</u>	@	<u>131.00</u>
<u>Centralizers 3</u>	@ <u>75.00</u>	<u>225.00</u>
	@	
	<u>(378.90 / 30%)</u>	
		TOTAL <u>1,263.00</u>

CHARGE TO: Berexco
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 Davis Jr
SIGNATURE [Signature]

SALES TAX (if Any) _____
TOTAL CHARGES 32,460.93
DISCOUNT 11,098.17 (35/30) IF PAID IN 30 DAYS
Bid 21,162.76 Net.

Date 1-3-15 District Dakota, K.S. Ticket No. 64801
 Company Propeco Rig Propeco
 Lease Stac Well No. 1-24
 County Pinnaw State KS
 Location 24-26-74 Field

CEMENT DATA:
 Spacer Type: water
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface R Intermediate Production Liner
 Size 8 5/8 Type New Weight 24.25 Collar _____

LEAD: Pump Time _____ hrs. Type LS/35
5" x 1/2" 3/4" 1/2" 1/4" Flo-seal
 Amt. 6.75 Skys Yield 2.0 ft³/sk Density 12.5 PPG

TAIL: Pump Time _____ hrs. Type Com 3/4" CC
1/4" Flo-seal
 Amt. 1.50 Skys Yield 1.3 ft³/sk Density 14.9 PPG

WATER: Lead 10.5 gals/sk Tail 4.2 gals/sk Total _____ Bbls.

Casing Depths: Top 1215 Bottom 1792'

Pump Trucks Used 120 - Tyler / Twa 3
 Bulk Equip. 890/241 - George
409/238 - Ben Great Bend

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 1792 ft. P.B. to _____ ft.

Float Equip: Manufacturer Industrial
 Shoe: Type Guide shoe Depth 1792
 Float: Type AFV Float Valve Depth 1749.8
 Centralizers: Quantity 3 Plugs Top _____ Btm. _____

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type water Amt. 111.46 Bbls. Weight _____ PPG
 Mud Type 40 WLS Weight _____ PPG

COMPANY REPRESENTATIVE _____ CEMENTER Paul TS

TIME (M) PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
6:30	206		156.25	156.25	8	Hold safety meeting Run pipe / Float equip / Drop ball pump ball through @ 400" mix 6.75 sks Lyle @ 12.5" mix 1.50 sks com @ 15" release plug displace w/ water plug did land Float. did hold cement did circ
	160		22.14	178.39	6	
	100		20	198.39	8	
	100		20	218.39	8	
	100		20	238.39	8	
	100		20	258.39	8	
	300		10	268.39	8	
	400		10	278.39	4	
	500		10	288.39	4	
7:30	500		1.46	289.85	4	

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

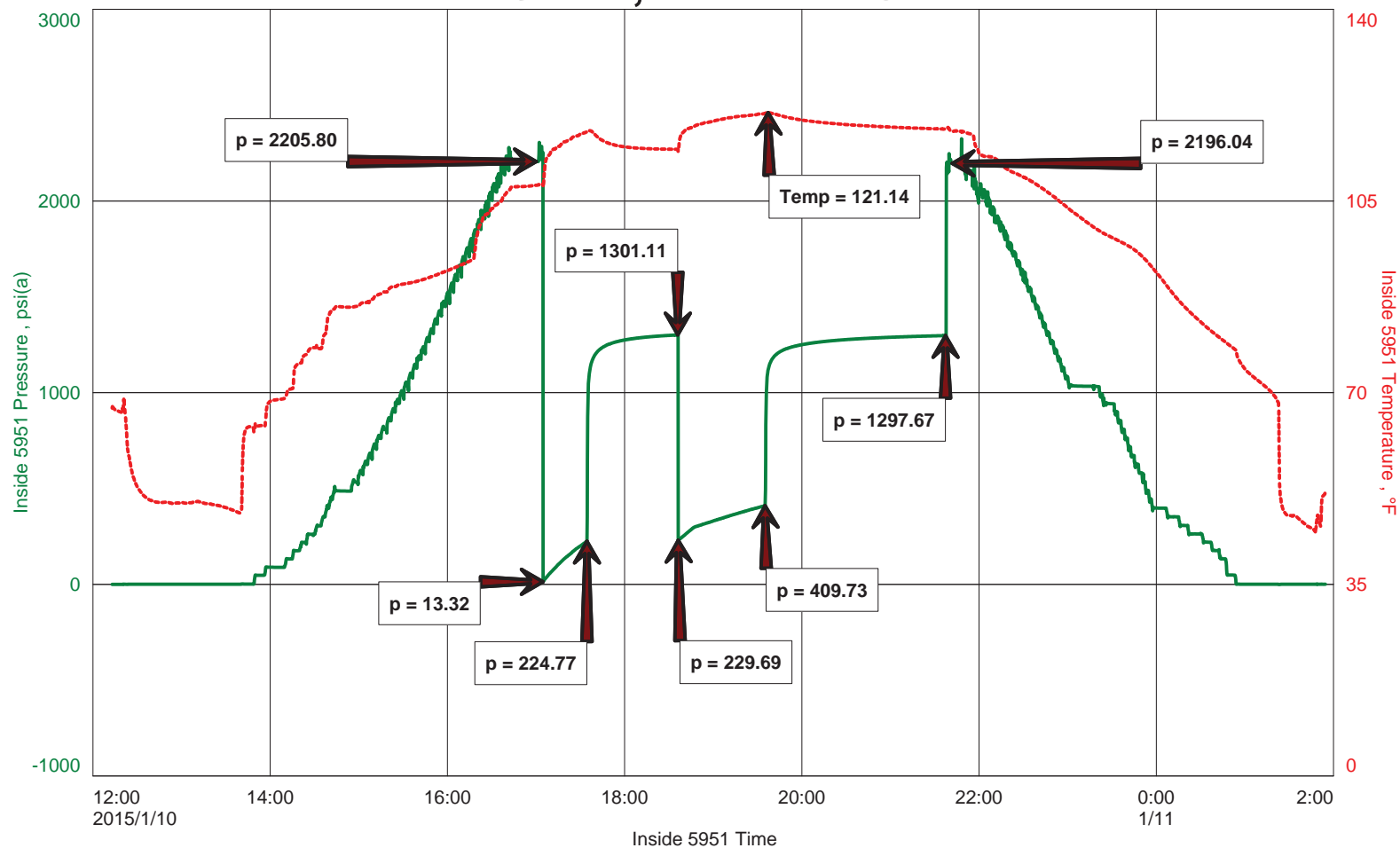
Well Name	Stacy #1-24
Company Name	Berexco, LLC
Formation	Marmaton 4578'-4610'
Test Type	Bottom-Hole DST w/J&J
Surface Location	Sec 24-26s-34w-Finney Co.-KS
KB Elevation (SL)	2946.000
Gauge Name	Inside 5951
Start Test Date	2015/01/10
Start Test Time	12:13:00
Final Test Date	2015/01/11
Final Test Time	01:55:00
Job Number	F367
Contact	Evan Mayhew
Site Contact	Ed Grieves

TEST RESULTS

Initial flow, BOB in 18 minutes. No blowback.
Final flow, BOB in 27 minutes. No blowback.

Recovered 850' of water.
Chlorides: 51,000 PPM
RW: .18 ohm @ 57 Deg F
PH: 7.5

DST #1, MARMATON





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: STACY1DST1

ON LOCATION:	<u>09:40</u>	<u>1-10</u>
START RECORDERS:	<u>12:13</u>	<u>1-10</u>
STOP RECORDERS:	<u>01:55</u>	<u>1-11</u>

Company BEREXCO, LLC Lease & Well No. STACY #1-24
 Contractor BEREDCO, LLC RIG # 1 Charge to BEREXCO, LLC
 Elevation 2946' KB Formation MARMATON Effective Pay _____ Ft. Ticket No. F367
 Date 1-10-15 Sec. 24 Twp. 26S Range 34W County FINNEY State KANSAS
 Test Approved By ED GRIEVES Diamond Representative _____ JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 4578 ft. to 4610 ft. Total Depth 4610 ft.
 Packer Depth 4573 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4578 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4556 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4579 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"CM) Drill Collar Length 622 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 3700 P.P.M. Drill Pipe Length 3923 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number J&J #5 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 32 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2"XM in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB 18 MINUTES. NO B.B.
 2nd Open: BOB 27 MINUTES. NO B.B.

Recovered 850 of WATER
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: CHLORIDES: 51,000 PPM
RW: .18-2 @ 57°F
PH: 7 1/2

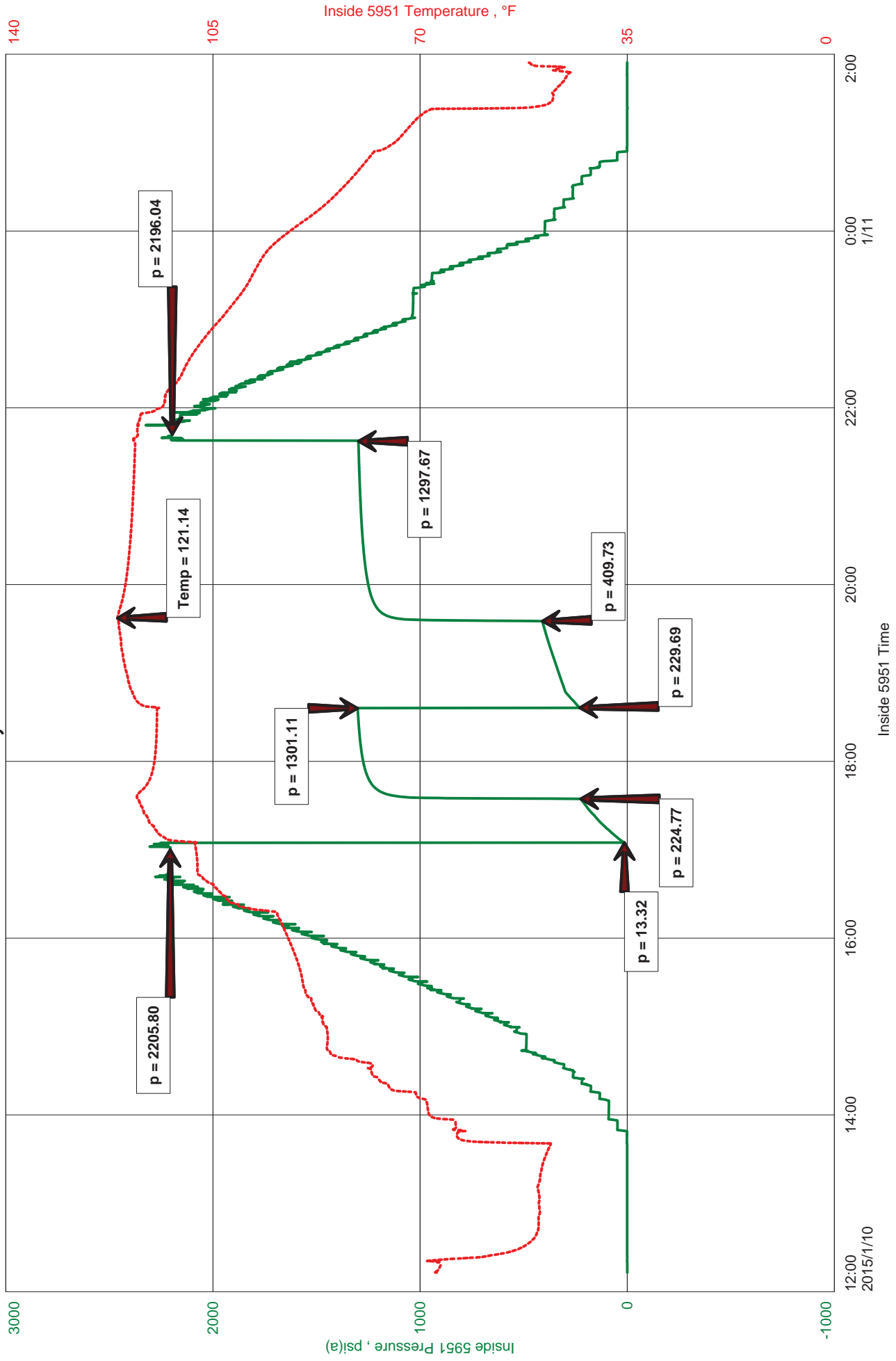
Price Job
ACCES CHGE / 16 1/3 HR
Other Charges / ON LOC
JARS & S. JNT.
294 MRT (PRAT)
Total

Time Set Packer(s) 5:06 ^{AM}/_{P.M.} Time Started Off Bottom 9:36 ^{AM}/_{P.M.} Maximum Temperature 121°F

Initial Hydrostatic Pressure..... (A) 2206 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 225 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1301 P.S.I.
 Final Flow Period..... Minutes 60 (E) 230 P.S.I. to (F) 410 P.S.I.
 Final Closed In Period..... Minutes 120 (G) 1298 P.S.I. **THANKS!**
 Final Hydrostatic Pressure..... (H) 2196 P.S.I. *Jacob S. 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.

DST #1, MARMATON





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STACY1DST1

TIME ON: 12:13 1/10
TIME OFF: 01:55 1/11

Company Berexco, LLC Lease & Well No. Stacy #1-24
Contractor Beredco, LLC Rig # 1 Charge to Berexco, LLC
Elevation 2946' KB Formation Marmaton Effective Pay _____ Ft. Ticket No. F367
Date 1/10/15 Sec. 24 Twp. _____ 26s S Range _____ 34w W County Finney State KANSAS
Test Approved By Ed Grieves Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 4578 ft. to 4610 ft. Total Depth 4610 ft.
Packer Depth 4573 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4578 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4556 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4579 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# LCM) Drill Collar Length 622 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 3,700 P.P.M. Drill Pipe Length 3,923 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 32 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ALL PERF Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB 18 minutes. No BB
2nd Open: BOB 27 minutes. No BB

Recovered 850 ft. of Water
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: Chlorides: 51,000 PPM
RW: .18 ohm @ 57 Deg F
PH: 7.5

Time Set Packer(s) 5:06 PM A.M. P.M. Time Started Off Bottom 9:36 PM A.M. P.M. Maximum Temperature 121 F

Initial Hydrostatic Pressure..... (A) 2206 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 225 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1301 P.S.I.
Final Flow Period..... Minutes 60 (E) 230 P.S.I. to (F) 410 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1298 P.S.I.
Final Hydrostatic Pressure..... (H) 2196 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 GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

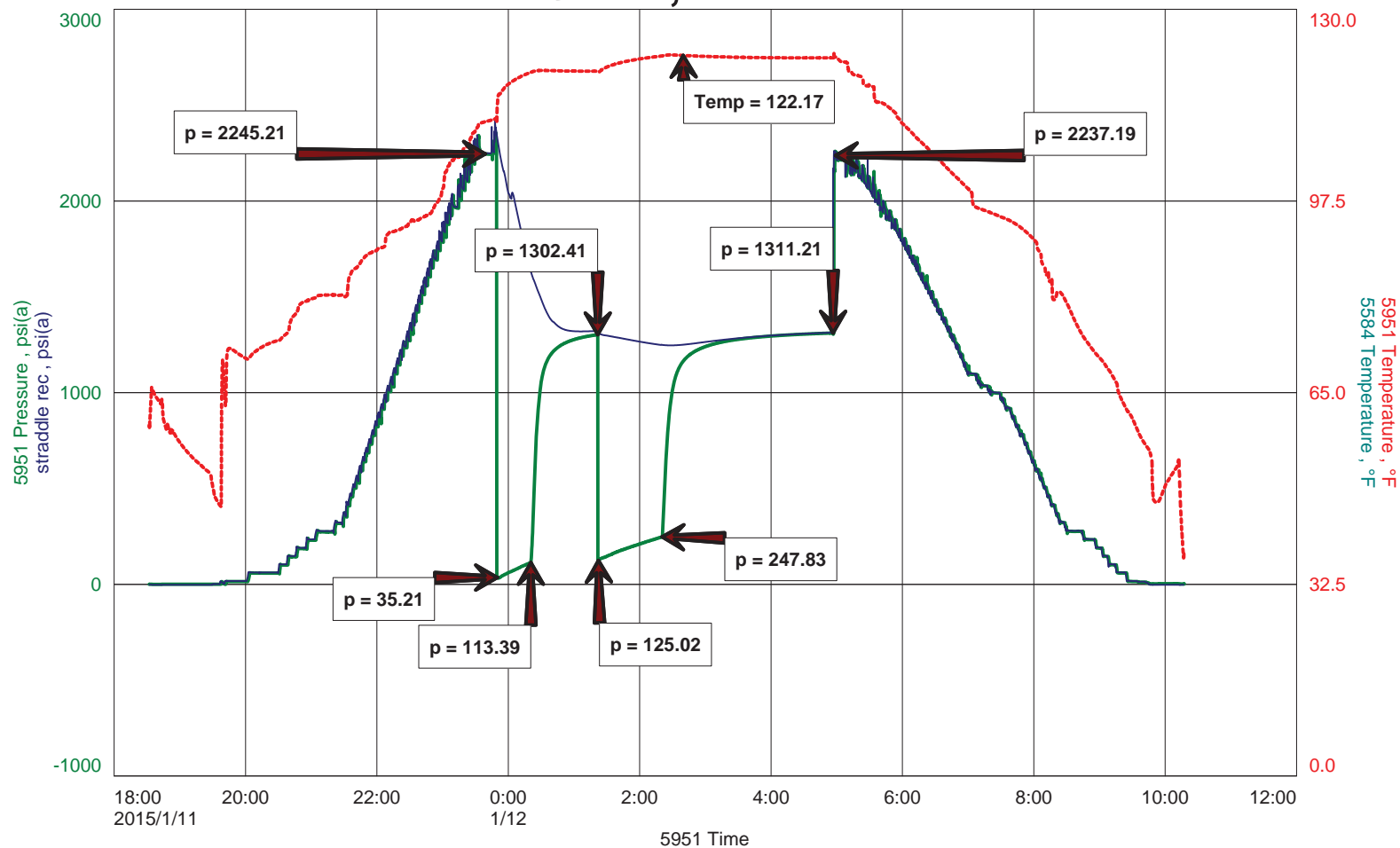
Well Name	Stacy #1-24
Company Name	Berexco, LLC
Formation	Pawnee 4634'-4644' (TD 4660')
Test Type	Straddle w/jars,s.jnt.,sh.pkr.
Surface Location	Sec 24-26s-34w-Finney Co.-KS
KB Elevation (SL)	2946.000
Gauge Name	5951
Start Test Date	2015/01/11
Start Test Time	18:32:00
Final Test Date	2015/01/12
Final Test Time	10:19:00
Job Number	F368
Contact	Evan Mayhew
Site Contact	Ed Grieves

TEST RESULTS

Initial flow, BOB in 6.5 minutes. Blowback @ 2".
 Final flow, BOB 11 minutes, Blowback @ 11".

TOTAL FLUID RECOVERED: 470' GIP: 1100'
 45' Clean Oil, 100% oil, 38 gravity @ 60F
 85' OSWM, 3% oil, 40% wtr, 57% mud
 340' Water, 100% wtr
 Chlorides: 124,000 PPM, RW: .08 ohm @ 60F, PH: 7.5

DST #2, PAWNEE





DIAMOND TESTING

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

DRILL-STEM TEST TICKET
FILE: STACY1 DST2

ON LOCATION:	<u>17:18</u>	<u>1-11</u>
START RECORDERS:	<u>18:32</u>	<u>1-11</u>
STOP RECORDERS:	<u>10:19</u>	<u>1-12</u>

Company BEREXCO, LLC Lease & Well No. STACY #1-24
 Contractor BEREXCO, LLC REG #1 Charge to BEREXCO, LLC
 Elevation 2946' NB Formation PAWNEE Effective Pay _____ Ft. Ticket No. F368
 Date 1-12-15 Sec. 24 Twp. 26S Range 34W County FINNEY State KANSAS
 Test Approved By ED GRIEVES Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 4634 ft. to 4644 ft. Total Depth 4660 ft.
 Packer Depth 4629 ft. Size 6 3/4 in. Packer depth 4644 ft. Size 6 3/4 in.
 Packer Depth 4634 SHAVE 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) 4635 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth 4647 ft. Recorder Number 5584 Cap. 5000 P.S.I.

Mud Type CHEMICAL Viscosity 57 (3" x 2cm) Drill Collar Length 622 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 8.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 3600 P.P.M. Drill Pipe Length 3979 ft. I.D. 3 1/2 in.
 Jars: Make STERLING #5 Serial Number J.J. Sh Pkr, Strad Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 10 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" x 4 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB 6 1/2 MIN. BB @ 2"
 2nd Open: BOB 11 MIN. BB @ 11"

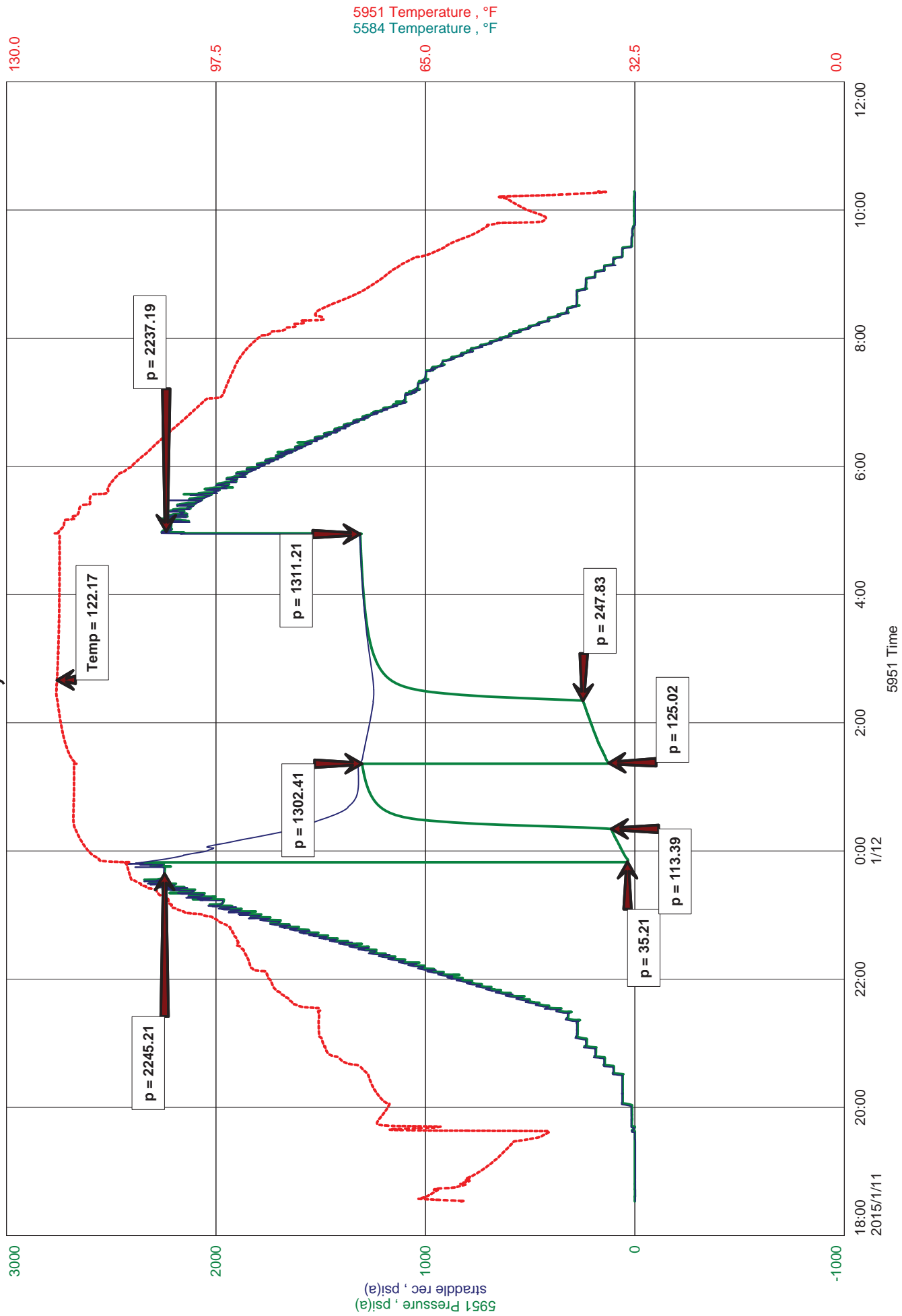
Recovered 45 ft. of CLEAN OIL 100" OIL
 Recovered 85 ft. of OSWM 3" OIL, 40" WTR, 57" MUD
 Recovered 340 ft. of WATER 100" WTR
 Recovered _____ ft. of 1100' GAS IN PIPE
 Recovered _____ ft. of 470' TOTAL RECOVERED FLUID
 Recovered _____ ft. of GRAVITY @ 60°F = 38

Remarks: CHLORIDES = 124,000 PPM
RW: .08 Ω @ 60°F
PA: 7 1/2
 Price Job _____
 Other Charges 16 1/2 HR ON LOC
J.J. Sh Pkr, Straddle
42 MRT (GC)
 Total _____

Time Set Packer(s) 11:51 A.M. Time Started Off Bottom 04:21 A.M. Maximum Temperature 122°F
 Initial Hydrostatic Pressure (A) 2245 P.S.I.
 Initial Flow Period Minutes 30 (B) 35 P.S.I. to (C) 113 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1302 P.S.I.
 Final Flow Period Minutes 60 (E) 125 P.S.I. to (F) 248 P.S.I.
 Final Closed In Period Minutes 120 (G) 1311 P.S.I. THANKS!
 Final Hydrostatic Pressure (H) 2237 P.S.I. Jacob J. 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.

DST #2, PAWNEE





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STACY1DST2

TIME ON: 18:32 1/11
TIME OFF: 10:19 1/12

Company Berexco, LLC Lease & Well No. Stacy #1-24
Contractor Beredco, LLC Rig # 1 Charge to Berexco, LLC
Elevation 2946' KB Formation Pawnee Effective Pay _____ Ft. Ticket No. F368
Date 1/12/15 Sec. 24 Twp. 26s S Range 34w W County Finney State KANSAS
Test Approved By Ed Grieves Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 4634 ft. to 4644 ft. Total Depth 4660 ft.
Packer Depth 4629 ft. Size 6 3/4 in. Packer depth 4644 ft. Size 6 3/4 in.
Packer Depth 4634 shpk 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) 4635 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Below Straddle Recorder Depth 4647 ft. Recorder Number 5584 Cap. 5000 P.S.I.

Mud Type Chemical Viscosity 57 (3# LCM) Drill Collar Length 622 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,600 P.P.M. Drill Pipe Length 3,979 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J,Jnt,ShPk,Str Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO 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 6.5 minutes, BB @ 2"
2nd Open: BOB 11 minutes, BB @ 11"

Recovered 45 ft. of Clean Oil 100% oil
Recovered 85 ft. of OSWM 3% oil, 40% wtr, 57% mud
Recovered 340 ft. of Water 100% wtr

Recovered _____ ft. of <u>1100' GIP</u>	
Recovered _____ ft. of <u>TOTAL RECOVERED FLUID: 470'</u>	Price Job
Recovered _____ ft. of <u>Gravity @ 60 F: 38</u>	Other Charges
Remarks: <u>Chlorides: 124,000 PPM</u>	Insurance
<u>RW: .08 ohm @ 60 F</u>	
<u>PH: 7.5</u>	Total

Time Set Packer(s) 11:51 PM A.M. P.M. Time Started Off Bottom 4:21 AM A.M. P.M. Maximum Temperature 122 F

Initial Hydrostatic Pressure..... (A) 2245 P.S.I.
Initial Flow Period..... Minutes 30 (B) 35 P.S.I. to (C) 113 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1302 P.S.I.
Final Flow Period..... Minutes 60 (E) 125 P.S.I. to (F) 248 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1311 P.S.I.
Final Hydrostatic Pressure..... (H) 2237 P.S.I.

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DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

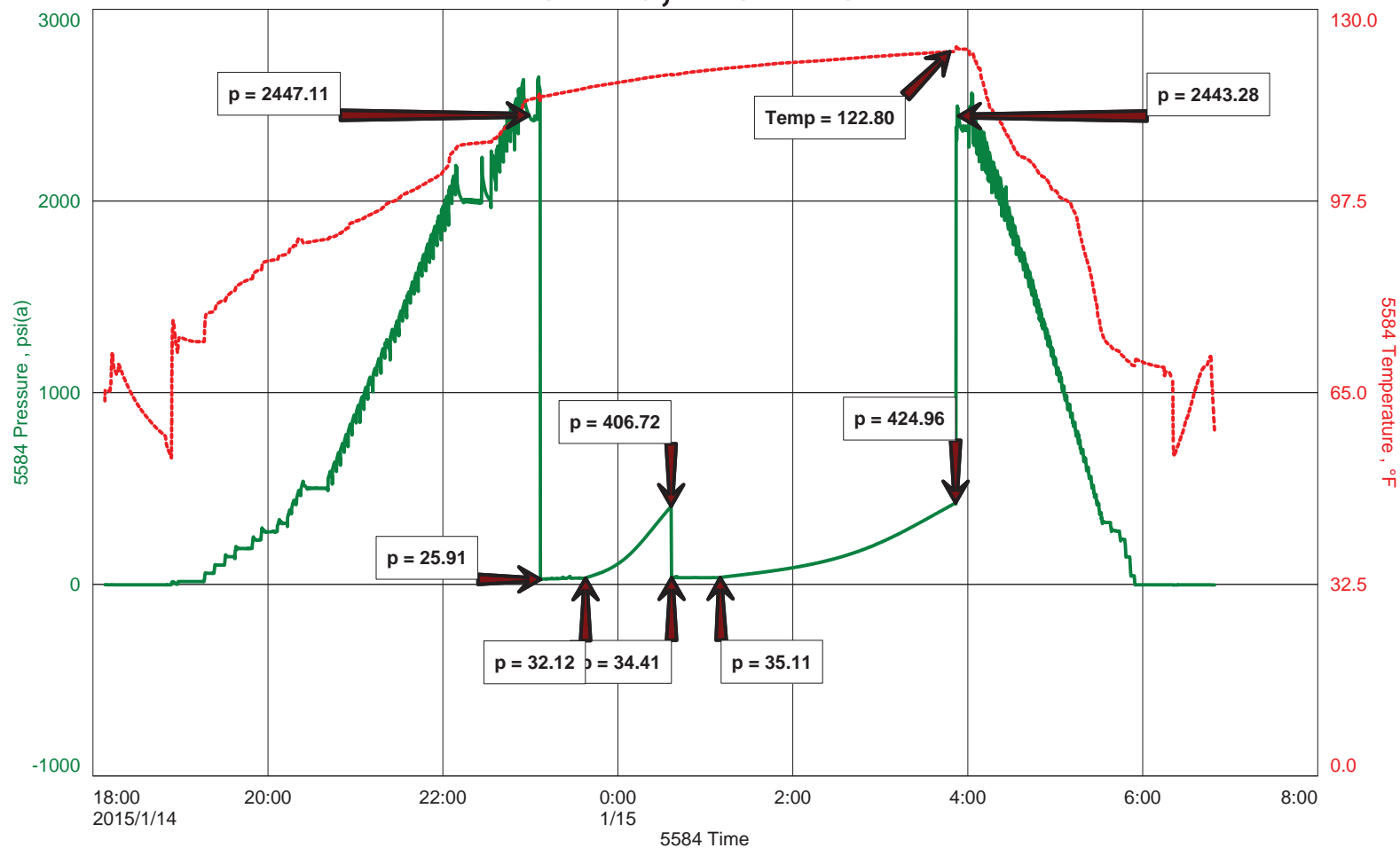
Well Name	Stacy #1-24
Company Name	Berexco LLC
Formation	Morrow 4984'-5030'
Test Type	Bottom-Hole DST w/J,Jnt,ShPkr
Surface Location	Sec 24-26s-34w-Finney Co.-KS
KB Elevation (SL)	2946.000
Gauge Name	5584
Start Test Date	2015/01/14
Start Test Time	18:08:00
Final Test Date	2014/01/15
Final Test Time	06:49:00
Job Number	F369
Contact	Evan Mayhew
Site Contact	Ed Grieves

TEST RESULTS

Initial flow, weak blow, increased to 1" in 20 minutes.
Final flow, no blow.

Recovered 30' of drilling mud, 100%.
Oil specks in tool.

DST #3, MORROW





DIAMOND TESTING

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

DRILL-STEM TEST TICKET
FILE: STACY 1 DST3

ON LOCATION: 16:30 1-14
START RECORDERS: 18:08 1-14
STOP RECORDERS: 06:49 1-15

Company BEREXCO, LLC Lease & Well No. STACY #1-24
Contractor BEREDCO, LLC RIG #1 Charge to BEREXCO, LLC
Elevation 2946' KB Formation MORROW Effective Pay _____ Ft. Ticket No. F369
Date 1-15-15 Sec. 24 Twp. 26S Range 34W County FINNEY State KANSAS
Test Approved By ED GREEVES Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 3 Interval Tested from 4984 ft. to 5030 ft. Total Depth 5030 ft.
Packer Depth 4979 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4984 Sh Pkr ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4962 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4985 ft. Recorder Number 5584 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 61 (3# LCM) Drill Collar Length 622 ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 10.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 3700 P.P.M. Drill Pipe Length 4316 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J, JNT, SH PKR Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length 46 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 13' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK BLOW, INC TO 1" IN 20 MIN.
2nd Open: NO BLOW.

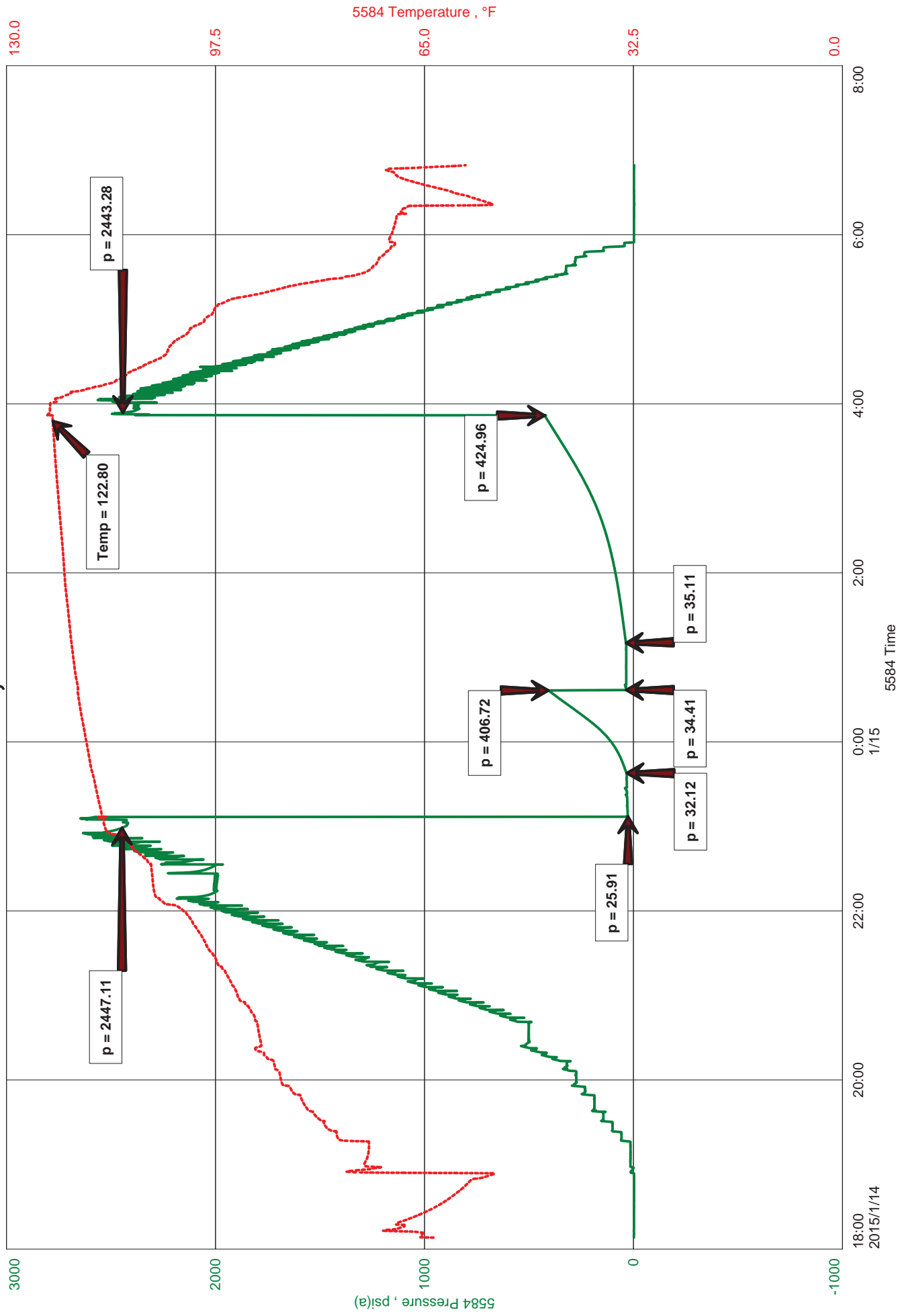
Recovered 30 ft. of DRUG MVD 100" MUD
Recovered _____ ft. of OIL SPECKS IN TOOL
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____
Price Job _____
Other Charges 14 1/4 HR ON LOC
JAR, S. JNT, SH PKR
42 MRT (GR)
Total _____

Time Set Packer(s) 11:07 ^{AM}/_{PM} Time Started Off Bottom 3:07 ^{AM}/_{PM} Maximum Temperature 123°F
Initial Hydrostatic Pressure..... (A) 2447 P.S.I.
Initial Flow Period..... Minutes 30 (B) 26 P.S.I. to (C) 32 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 407 P.S.I.
Final Flow Period..... Minutes 30 (E) 34 P.S.I. to (F) 35 P.S.I.
Final Closed In Period..... Minutes 120 (G) 425 P.S.I. THANKS!
Final Hydrostatic Pressure..... (H) 2443 P.S.I. part 5' above

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DST #3, MORROW





DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: STACY1DST3

TIME ON: 18:08 1/14
 TIME OFF: 06:49 1/15

Company Berexco, LLC Lease & Well No. Stacy #1-24
 Contractor Beredco, LLC Rig # 1 Charge to Berexco, LLC
 Elevation 2946' KB Formation Morrow Effective Pay _____ Ft. Ticket No. F369
 Date 1/15/15 Sec. 24 Twp. 26s S Range 34w W County Finney State KANSAS
 Test Approved By Ed Grieves Diamond Representative Jake Fahrenbruch

Formation Test No. 3 Interval Tested from 4984 ft. to 5030 ft. Total Depth 5030 ft.

Packer Depth 4979 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4984 shpk ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4962 ft. Recorder Number 5951 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 4985 ft. Recorder Number 5584 Cap. 5000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 61 (3# LCM) Drill Collar Length 622 ft. I.D. 2 1/4 in.

Weight 9.5 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,700 P.P.M. Drill Pipe Length 4,316 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number #5 J,Jnt,ShPk Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 46 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 blow, inc to 1" in 20 min

2nd Open: No blow

Recovered 30 ft. of Drilling Mud 100% mud

Recovered _____ ft. of oil specks in tool

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 11:07 PM A.M. P.M. Time Started Off Bottom 3:07 AM A.M. P.M. Maximum Temperature 123 F

Initial Hydrostatic Pressure..... (A) 2447 P.S.I.

Initial Flow Period..... Minutes 30 (B) 26 P.S.I. to (C) 32 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 407 P.S.I.

Final Flow Period..... Minutes 30 (E) 34 P.S.I. to (F) 35 P.S.I.

Final Closed In Period..... Minutes 120 (G) 425 P.S.I.

Final Hydrostatic Pressure..... (H) 2443 P.S.I.

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DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

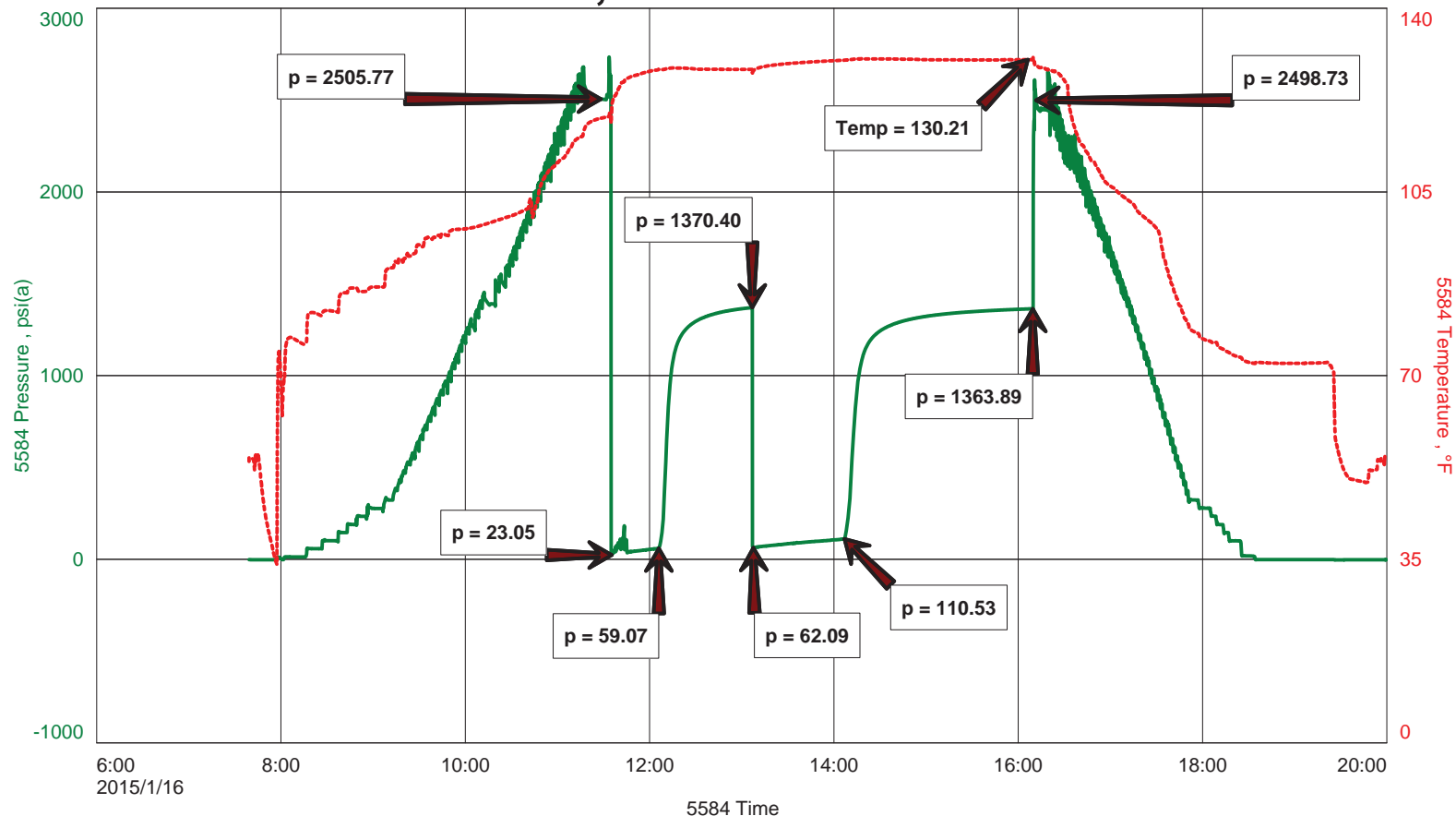
Well Name	Stacy #1-24
Company Name	Berexco LLC
Formation	Basal Chester 5136'-5160'
Test Type	Bottom-Hole w/j,jnt,shpkr
Surface Location	Sec 24-26s-34w-Finney Co.-KS
KB Elevation (SL)	2946.000
Gauge Name	5584
Start Test Date	2015/01/16
Start Test Time	07:39:00
Final Test Date	2015/01/16
Final Test Time	19:59:00
Job Number	F370
Contact	Evan Mayhew
Site Contact	Ed Grieves

TEST RESULTS

Initial flow, blow increased to 4.5". No blowback.
 Final flow, blow increased to 4". No blowback.

TOTAL RECOVERED FLUID: 175' GIP: 180'
 20' HOCM 30% oil, 70% mud
 155' OSMCW 2% oil, 88% wtr, 10% mud
 Chlorides: 93,000 PPM
 RW: .11 ohm @ 54 Deg F
 PH: 7.0

DST #4, BASAL CHESTER





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: STACY1D5T4

ON LOCATION:	<u>07:00</u>
START RECORDERS:	<u>07:39</u>
STOP RECORDERS:	<u>19:59</u>

Company BEREXCO LLC Lease & Well No. STACY #1-24
 Contractor BEREXCO LLC RIG # 1 Charge to BEREXCO LLC
 Elevation 2946' KB Formation BASAL CHESTER Effective Pay _____ Ft. Ticket No. F370
 Date 1/16/15 Sec. 24 Twp. 26S Range 34W County FINNEY State KANSAS
 Test Approved By ED GRIEVES Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 4 Interval Tested from 5136 ft. to 5160 ft. Total Depth 5160 ft.
 Packer Depth 5131 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 5136 SHPKR ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5114 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 5137 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 (3 1/2" #10M) Drill Collar Length 622 ft. I.D. 2 1/4 in.
 Weight 9.5 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 5400 P.P.M. Drill Pipe Length 4481 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 J.JNT, SH PKR Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 24 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 INCREASED TO 4 1/2". NO BLOWBACK
 2nd Open: BLOW INCREASED TO 4". NO BLOWBACK.

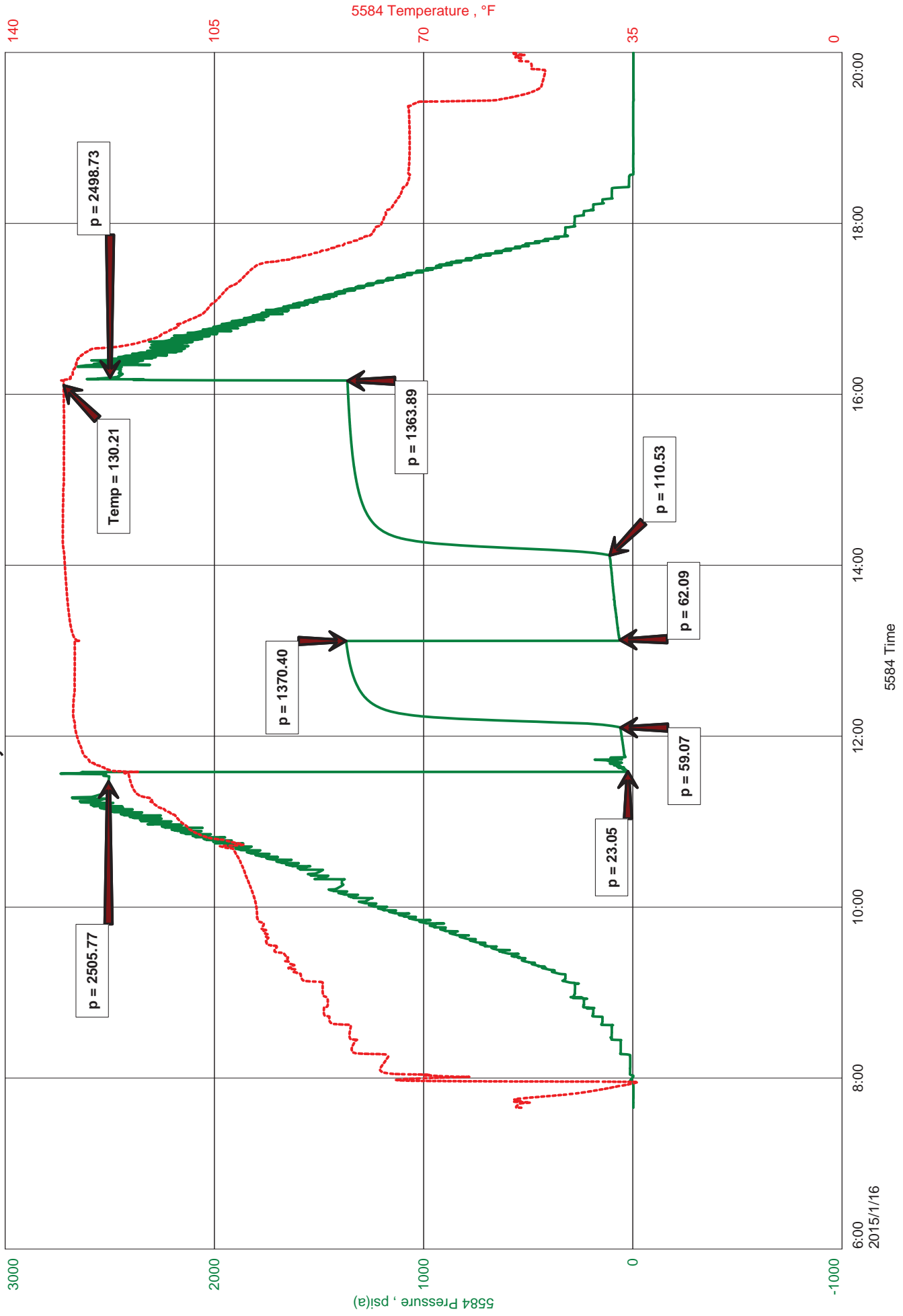
Recovered 20 ft. of HOCM 30" OIL, 70" MUD
 Recovered 155 ft. of OS MCW 2" OIL, 88" WTR, 10" MUD
 Recovered _____ ft. of 180' GIP
 Recovered _____ ft. of TOTAL FLUID RECOVERED: 175'

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	<u>ACCESS 13 HR ON LOC</u> Other Charges
Remarks: <u>CHLORIDES = 93,000 PPM</u> <u>RW: .112 @ 54°F</u> <u>PH: 7.0</u>	<u>J.JNT, SH PKR</u> <u>42 MRT (GC)</u>
	Total

Time Set Packer(s) 11:36 ^{A.M.} P.M. Time Started Off Bottom 4:06 ^{A.M.} P.M. Maximum Temperature 130°F
 Initial Hydrostatic Pressure..... (A) 2506 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 59 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1370 P.S.I.
 Final Flow Period..... Minutes 60 (E) 62 P.S.I. to (F) 111 P.S.I.
 Final Closed In Period..... Minutes 120 (G) 1364 P.S.I. THANKS!
 Final Hydrostatic Pressure..... (H) 2499 P.S.I. [Signature]

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DST #4, BASAL CHESTER





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STACY1DST4

TIME ON: 07:39
TIME OFF: 19:59

Company Berexco, LLC Lease & Well No. Stacy #1-24
Contractor Beredco, LLC Rig # 1 Charge to Berexco, LLC
Elevation 2946' KB Formation Basal Chester Effective Pay _____ Ft. Ticket No. F370
Date 1/16/15 Sec. 24 Twp. 26s S Range 34w W County Finney State KANSAS
Test Approved By Ed Grieves Diamond Representative Jake Fahrenbruch

Formation Test No. 4 Interval Tested from 5136 ft. to 5160 ft. Total Depth 5160 ft.
Packer Depth 5131 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 5136 shpk ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5114 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 5137 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 (3.5# LCM) Drill Collar Length 622 ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,400 P.P.M. Drill Pipe Length 4,481 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J,Jnt,ShPk Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 24 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 increased to 4.5". No blowback.
2nd Open: Blow increased to 4". No blowback.

Recovered 20 ft. of HOCM 30% oil, 70% mud
Recovered 155 ft. of OSMCW 2% oil, 88% wtr, 10% mud
Recovered _____ ft. of 180' GIP
Recovered _____ ft. of 175' TOTAL RECOVERED FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Chlorides: 93,000 PPM</u>	Insurance
<u>RW: .11 ohm @ 54 Deg F</u>	
<u>PH: 7.0</u>	Total

Time Set Packer(s) 11:35 A.M. P.M. Time Started Off Bottom 4:06 A.M. P.M. Maximum Temperature 130 F

Initial Hydrostatic Pressure..... (A) 2506 P.S.I.
Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 59 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1370 P.S.I.
Final Flow Period..... Minutes 60 (E) 62 P.S.I. to (F) 111 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1364 P.S.I.
Final Hydrostatic Pressure..... (H) 2499 P.S.I.

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ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067275

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

SERVICE POINT:

Grant Bend, TX

DATE <i>1-18-14</i>	SEC. <i>24</i>	TWP. <i>26</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION <i>9pm</i>	JOB START <i>8am</i>	JOB FINISH <i>9am</i>
LEASE <i>Stacey</i>	WELL # <i>1-24</i>	LOCATION <i>Gardencity south of road</i>			COUNTY <i>Finney</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)				<i>6 1/2 west</i>			

CONTRACTOR <i>Bredco #1</i>	OWNER
TYPE OF JOB <i>Production</i>	
HOLE SIZE	T.D.
CASING SIZE <i>5 1/2</i>	DEPTH <i>5337</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <i>44</i>
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <i>82.54 bbl H2O</i>	

CEMENT		
AMOUNT ORDERED	<i>180 5x ASC 2 1/2</i>	
	<i>10 1/2 salt 6 1/2 gal 1.5 x DP 32 PWS</i>	
	<i>80 5x 65/35 6 1/2 gal 14 1/2</i>	
COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<i>180 5x Asc</i>	@	<i>23.50 4,230.00</i>
<i>Kal Seal 1100</i>	@	<i>.98 1,078.00</i>
<i>DF 26</i>	@	<i>9.80 254.80</i>
<i>Fl-110 51</i>	@	<i>18.90 963.90</i>
<i>Fl Seal 20</i>	@	<i>2.97 59.40</i>
<i>80 5x 65/35 + 6 1/2</i>	@	<i>19.88 1,590.40</i>
	@	
	@	
TOTAL		<i>8,176.50</i>

EQUIPMENT	
PUMP TRUCK CEMENTER <i>Josh Isaac</i>	
# <i>398</i>	HELPER <i>Brian Lang</i>
BULK TRUCK	
# <i>609-239</i>	DRIVER <i>Kevin Wickhaus</i>
BULK TRUCK	
#	DRIVER

DISCOUNT 45 % *3,679.43*

REMARKS:

*On location - Rig up - had safety meeting
Run 4 1/2 casing - Break cir.
Pump 10 bbl H2O
Plug 2 1/2" x 1 1/4" - 85 5x 65/35
Mix 30 5x 65/35 6 1/2 gal 14 1/2 - Lead
Mix 180 5x ASC
Drop plug
Displace 82.54 bbl H2O
Lead plug 1500 psi - Rig's down*

SERVICE

HANDLING	<i>325.74</i>	@ <i>2.48</i>	<i>807.84</i>
MILEAGE	<i>13.90 x 50 x</i>	<i>2.75</i>	<i>1,911.25</i>
DEPTH OF JOB	<i>5337</i>		
PUMP TRUCK CHARGE			<i>3009.25</i>
EXTRA FOOTAGE		@	
HV MILEAGE	<i>50</i>	@ <i>7.70</i>	<i>385.00</i>
LV MILEAGE		@	
<i>Head Rent</i>		@ <i>275.00</i>	<i>N/A</i>
		@	
TOTAL			<i>6,113.34</i>

DISCOUNT 45 % *2,751.00*

CHARGE TO: *Brexco*
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<i>float shoe</i>	@ <i>545.00</i>	<i>545.00</i>
<i>latch down</i>	@ <i>660.00</i>	<i>660.00</i>
<i>11-cent.</i>	@ <i>57.00</i>	<i>627.00</i>
<i>2-Bask.</i>	@ <i>395.00</i>	<i>790.00</i>
<i>Port collar</i>	@ <i>3,590.00</i>	<i>3,590.00</i>
TOTAL		<i>6,212.00</i>
DISCOUNT 45 %		<i>2,795.40</i>

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.

SALES TAX (If Any) _____
TOTAL CHARGES *20,501.84*
DISCOUNT *9,225.83* IF PAID IN 30 DAYS
NET TOTAL *11,276.01* IF PAID IN 30 DAYS

PRINTED NAME *X Greg M. Klau*
SIGNATURE *X Greg M. Klau*
Thank you!

Date 1/18/15 District _____ Ticket No. 67275
 Company BRENCO LLC Rig BRENCO DRILLING
 Lease STACEY Well No. 1-24 #1
 County FINNEY State KANSAS
 Location GARDEN CITY SOUTH TO TRD Field 24-26-34
1/2 WEST SOUTH INTO

CEMENT DATA:
 Spacer Type: H2O
 Amt. 10 BB Sk. Yield _____ ft³/sk Density _____ PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 4 1/2 Type NEW Weight 11.6 Collar _____

LEAD: Pump Time THICKEN TIME hrs. Type 65/35 6% GEL V4 FL
 Excess _____

Amt. 30 Sk. Yield 1 AM ft³/sk Density 12.9 PPG
 TAIL: Pump Time THICKEN TIME hrs. Type ASC 2% GEL 1% SALT
6% GP 6% KOHL 1.5% DF 3% FLUO Excess 1

Amt. 180 Sk. Yield 1.57 ft³/sk Density 14.0 PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top _____ Bottom 5337

Pump Trucks Used 398 - Brian Long
 Bulk Equip. 609-239 - Kevin Williams

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. 1

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.155 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE _____ CEMENTER JOUL ISAAC

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
8 PM						On location - Rig up had safety meeting run 4 1/2" casing
7 AM						Break line
7:30		0			3	plug RH & in H
7:40		0			10.52	5 mix 30% 65/35 G/gel V4 FL
7:45		16.0			50.33	5 mix 180% ASC
						Drip plug
8:10		900			82.54	5 Displace 82.54 bbl H2O
8:30		1500				2 Land plug 1500 psi
8:35 AM						Rig down

WELL
FILE

GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG

COMPANY Berexco LLC
 LEASE Stacy NO. 1-24
 LOCATION 1650' FNL + 1650' FWL
 SEC. 24 TWP. 26S RNG. 34W
 COUNTY Finney STATE Kansas
 FIELD Wildcat

ELEVATIONS
 KB 2945
 DF 2943
 GL 2933
 MEASUREMENTS ARE ALL FROM KB

CONTRACTOR Beredco Dalg. Rig #1
 COMM. 12-31-2014 COMP. 1-18-2015
 RTD 5340 LTD 5335
 No. of DST'S Four No. of CORES None

CASING RECORD
8 7/8" at 1792' w/ 7.75 SX.
 ___ of ___ w/ ___ SX.
 ___ of ___ w/ ___ SX.
 ___ of ___ w/ ___ SX.

EL. LOG A.C. Hess P. GR
Den. Neut. GR. Caliper
ML Sonic

SAMPLES SAVED FROM 3700 TO TD
 DRILLING TIME KEPT FROM 3700 TO TD
 SAMPLES EXAMINED FROM 3700 TO TD
 GEOLOGICAL SUPERVISION FROM 3700 TO TD
 GEOLOGIST ON WELL Edwin H. Grieves

FORMATION TOPS

	SAMPLE	LOG	SUBSEA
<u>Base Heebner</u>	<u>3917</u>	<u>3917</u>	<u>-972</u>
<u>Toronto</u>	<u>3930</u>	<u>3926</u>	<u>-981</u>
<u>Lansing Fm.</u>	<u>3959</u>	<u>3957</u>	<u>-1012</u>
<u>Kansas City Fm.</u>	<u>4390</u>	<u>4387</u>	<u>-1442</u>
<u>BKC</u>	<u>4511</u>	<u>4520</u>	<u>-1575</u>
<u>Marmaton</u>	<u>4541</u>	<u>4537</u>	<u>-1592</u>
<u>Pawnee</u>	<u>4629</u>	<u>4626</u>	<u>-1681</u>
<u>Et Scott</u>	<u>4669</u>	<u>4664</u>	<u>-1719</u>
<u>Cherokee</u>	<u>4685</u>	<u>4678</u>	<u>-1733</u>
<u>Morrow Fm.</u>	<u>4921</u>	<u>4918</u>	<u>-2003</u>
<u>Chester</u>	<u>5053</u>	<u>5046</u>	<u>-2101</u>
<u>St Louis</u>	<u>5149</u>	<u>5130</u>	<u>-2185</u>
<u>TD</u>	<u>5340</u>	<u>5335</u>	

API# 15-055-22374

REMARKS Eath-Tech had an unmanned gas detection unit on this well from 3700 feet to total depth.

5-10-15
 NEW YORK
 A.H. Hix
 Edw Hix
 Geo log

LITHOLOGY
 SANDSTONE
 LIMESTONE
 SHALE
 CHERT

CHROMATOGRAPH
 HOT WIRE BY
 TOTAL GAS VOLUME

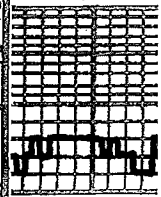
SILTSTONE
 DOLOMITE
 GRANITE WASH
 SAND & GYP

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

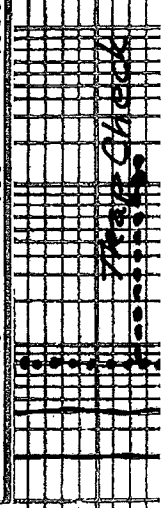
DRILL TIME SCALE

SAMPLE DESCRIPTION

GAS SCALE



3700



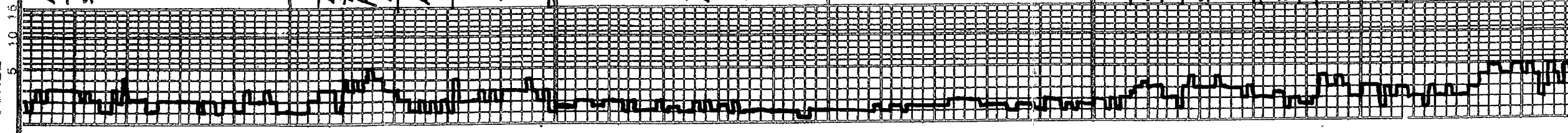
Lms. hvy. tes. wht. to GRM. chalked to 14.99.
 to tan; CR. photo. to v. fin. x/h. sub. to blk.
 sub. succe. to su. cr. d. ul. 14. to 14.91.
 fluor. j. No. cut, hvy. tes. pr. to 14.

WATI 01 011

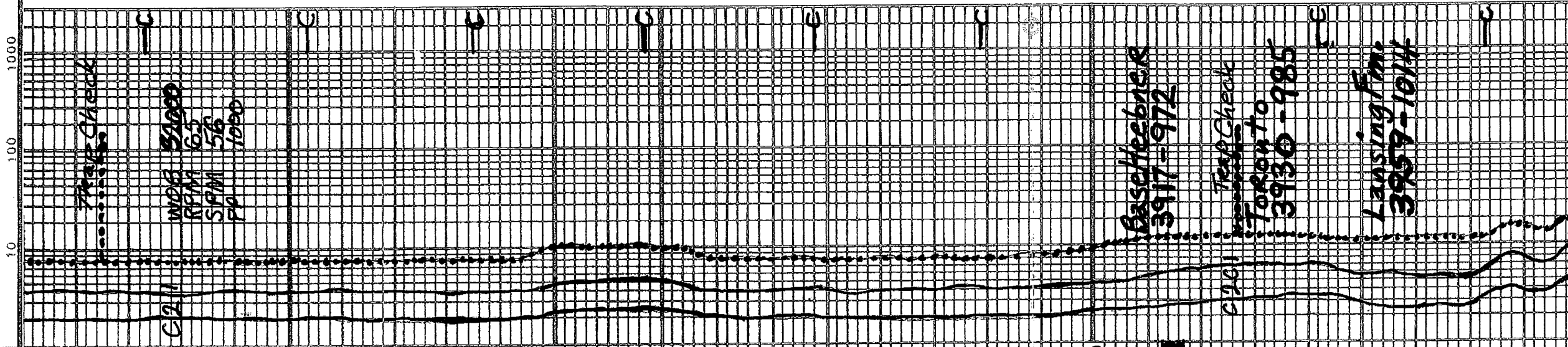
DRILL TIME SCALE

SAMPLE DESCRIPTION

GAS SCALE



3700
3800
3900



Lms. hv. tes. wht. to crm. chalk & tks. lt. gry. to tan; CR. Pto. to v.v. fm. x. lms. sub-chlk sub-sucro. to su. cro. dul. H. to H. yel. fluor. j. No cut; hv. tes. pr. to a micro-pp. to interx. p. or.

Lms. tes. wht. to crm. chalk & tan; gry. to v.v. fm. x. lms. sub-chlk, sub-sucro. & packstn; dul. H. to H. yel. fluor. j. No cut; No Vis for

Lms. similar 3700-3756

Lms. similar 3756-3771

Lms. abn. wht. to crm. chalk & tan; gry. IP; crypto to v.v. fm. x. lms. sub-chlk, sub-sucro. to v. sucro. dul. H. to H. yel. fluor. j. No cut; abn. pr. to tks. fr. micro-pp. to interx. p. or.

Lms. similar 3756-3771

Sh. v. drk. gry. to black-carb.

Sh. H. gry. to H. green; v. soft & mushy when wet

Lms. hv. tes. wht. to crm. chalk & H. tan to tan; crypto to v.v. fm. x. lms. sub-chlk, sub-sucro. to su. cro. dul. H. to H. yel. fluor. j. No cut; abn. pr. to a micro-pp. & pr. interx. p. or.

Lms. gry. ish. tan to tan; crypto. to v.v. fm. x. lms. sub-chlk, sub-sucro & packstn; dul. H. yel. to tks. H. yel. fluor. j. No cut; No Vis for

Lms. H. to med. gry. - shly. to gry. ish. tan to tan; crypto. to v.v. fm. x. lms. sub-chlk, sub-sucro & packstn; dul. H. yel. fluor. j. No cut; No Vis for

TRAP CHECK

WOB 3700
RFM 63
SFM 56
PP 1050

Bascheebner
3917-972

TRAP CHECK

Foront
3930-985

Lansing fm.
3959-1014

4320-4320 Interbedded lms + sh.
Lms. tes. wht. to cream-chalk grayish tan
to tan, crypto to v. fine shaly, subchlk.,
sub-sucro + packstn.; IP's sl. to faly
oolitic and tes sub-lithogd. id. H
to H. yellow. No cut, scattered
tr. pe. to fa. micro-pp + poss. interxlm.
por.

① Lms. H. to med. gray. - sl. to v. Shly.
grading. to med. gray. sl. to extly
calc. Shs.; sub-chlk + v. shly to
packstn.; No fluor.; No cut;
No vis por.

② Sh. med. to drk. gray. - sl. to extly
calc. IP's

4320-4380 Lms. tes. to sub. wht. to cream
chlk + H. gray. to tan; crypto. to v. fine. xlm
sub-chlk, sub-sucro. + packstn.;
IP's sl. to faly, oolitic for IP's
sl. to v. oolitic; dul. yel. to yel. floor
No cut; tr. pr. to fine oolitic + por
for tr. pr. micro-pp. per. IP's

Lms. H. gray. to grayish. tan; crypto to
v. fine. xlm.; tes. sub-chlk, sub-sucro.
+ packstn. + tr. sub-lithogrid with
yel. floor. IP's; No cut; No vis por
Sh. v. drk. gray to black-carb

Sh. med. to drk. gray. sl. to optly calc
grading to v. shly. Lms. to
4401-4410 Lms. v. sh. wht. to cream-chlk
+ H. gray. to grayish tan; crypto. to v. fine. xlm
sub-chlk, sub-sucro. + packstn.; scattered
tr. pr. to fine oolitic to oolitic to x. scattered
dul. yel. floor. IP's; No cut; sl. tr.
pr. to sl. tr. tes for calcitic to
micro-pp por

4418-4444 Lms. H. gray to grayish. tan; crypto
to v. fine. xlm.; tes. sub-chlk, sub-sucro.
+ packstn. + tr. sub-lithogrid; yel. fl. to
sub-H. yel. floor.; No cut; No vis por

Lms. similar 4401-4428

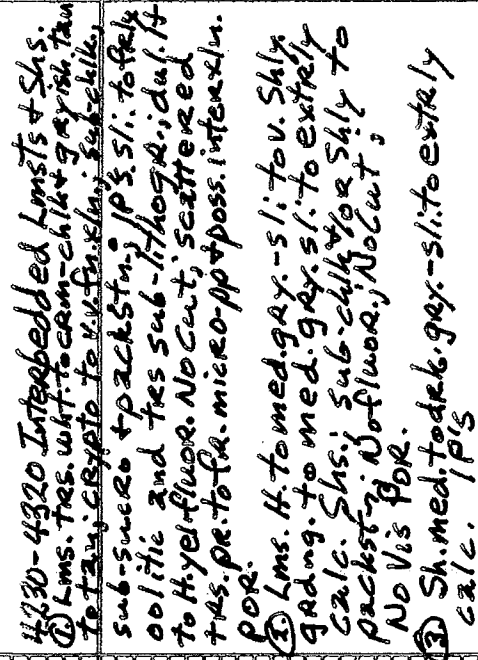
Lms. similar 4428-4444

Lms. similar 4401-4428

Lms. similar 4428-4444

4541-4541 Lms. H. med. to tes drk. gray.
faly to v. shly. grading. to calc. shs.;
crypto. to v. fine. xlm.; sub-chlk, No shly
sl. tes. sub-sucro + packstn.;
No fluor.; No cut; No vis por

4541-4550 Lms. H. gray. to tanish. gray.
crypto. to v. fine. xlm.; sub-sucro.



Trap Check

C2

4300

Kansas City
4390-4415

WOB 38000
RPM 67
SPM 54
PP 1100

Trap Check

C2

4500

WOB 35000
RPM 70
SPM 54
PP 1000

M. S. M. A. T. O. P. M.
4541-4541

4511-4541 Lms. H. med. to tres dark gray. faintly to v. shly. gradng. to calc. sh. s. crypto. to v. v. fn. xln.; subch. like sh. s. sh. s. sub-sucro & patches. No fluore.; No cut; No vis for

4541-4550 Lms. H. gray to tanish gray. crypto. to v. v. fn. xln.; sub-sucro; patches. tres. sub-lithog. a. dul. yet fluore.; No cut; No vis for w/ tres. Chert H. to med. gray. - opaque

4550-4555 Lms. hyp. tres. whit. to cream-chalk & H. gray; oolitic; matrix sug-sucro to sucro. dul. yet fluore.; No cut scattered tres. v. or micro-por & poss interxln. por

4555-4580 Lms. similar 4571-4550 w/ No Chert

4580-4597 Lms. tres. whit. to cream-chalk & tan crypto. to v. v. fn. xln. w/ tres. whit. to clear, med to coarse calc. xln. fragm. v. to extra oolitic to sl. oolitic; matrix sub-chalk; sub-sucro to tres. sucro & patches. dul. yet to med. gray. yet. fluor. to tres. for grad. sh. s. micro-por. tres. loose calc. for v. best. por

Lms. H. gray, tanish lps, crypto. to v. v. fn. xln. sub-sucro & patches; dul. yet. fluore.; No cut; No vis for

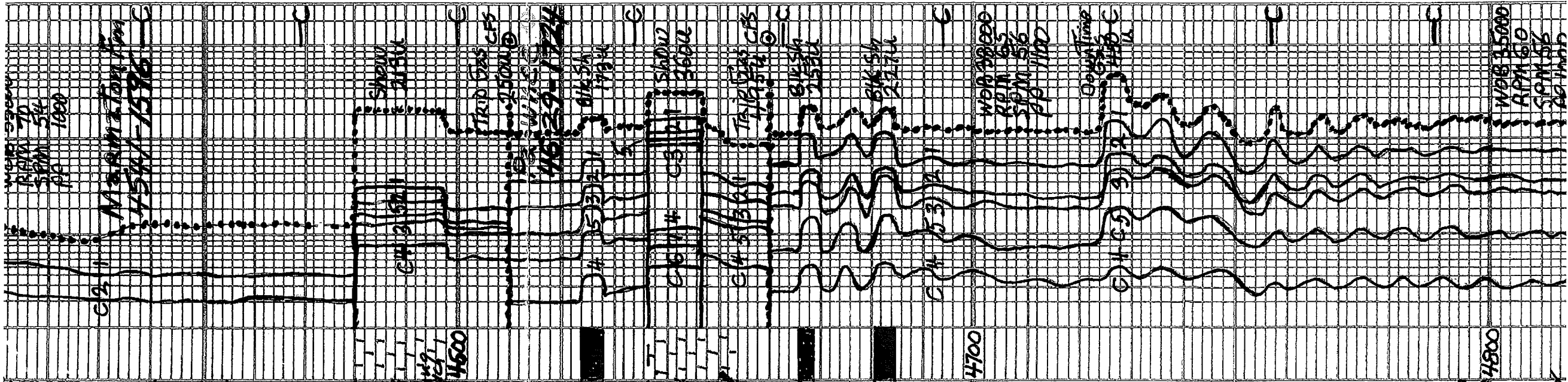
Sh. v. drk. gray. to black-carb. Lms. similar 4597-4624 4637-4655 Lms. tres. whit. to cream-chalk & tan w/ hyp tres. Si. drake faintly to even oil str. faint oil oder-sultry oolite to v. v. fn. xln.; sub-chalk; sub-sucro to sucro. tres. to by boss (spones); phan. tom oolitic 1/2 tan. yet. dul. yet. fluor. to tres. for grad. sh. s. micro-por. tres. loose calc. for v. best. por

4655-4666 Lms. similar 4597-4624 w/ tres foss & tres oolites

Sh. v. drk. gray. to black-carb Lms. similar 4597-4624 w/ tres foss & tres oolites

Shs v. drk. gray to black-carb

4685-4921. Intersbedded Lmsts & Shales
Lms. tres. whit. to cream-chalk & H. gray to tan crypto. to v. v. fn. xln.; sub-sucro; patches. tres. sub-lithog. a. dul. yet. fluor. to tres. for grad. sh. s. micro-por. tres. loose calc. for v. best. por
Lms. med. to v. drk. gray. v. to v. drk. shly



4685-4921 Interbedded Lmsts. & Shales
 ① Lms. tes. wht. to cam. chkd. H. gray to tan
 crypto. to v. fn. xlm. sub-succ. packst. & tes. sub-lithog. j. scattered tes. foss. No vis. por.
 ② Lms. med. to v. dk. gray - v. to ex. shly grading. to ext. calc. sts. crypto. to v. u. fn. xlm. j. sub-chile. for shly. packst. & sub-lithog. j. No fluor. j. No cut. No vis. por.
 ③ Sh. med. to v. dk. gray - sl. to ext. calc. lps.
 ④ Sh. v. dk. gray to black - carb.
 ⑤ Scattered tes. chert H. to med. gray + tan-opp.

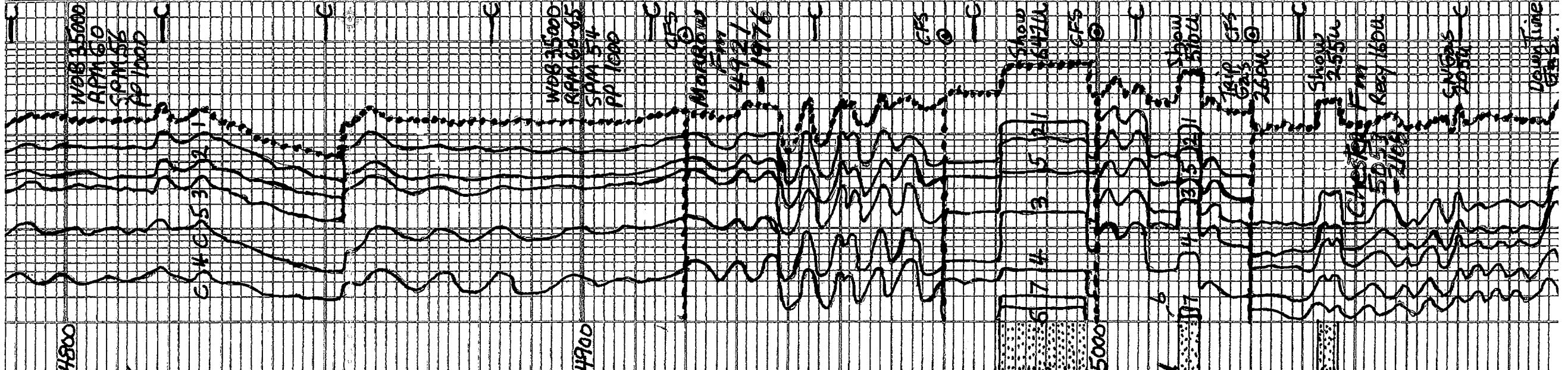
4921-4953 Sh. med. to dk. gray w/ abn. interbeds Lmsts. similar to #1 + #2 descriptions 4685-4921

4953-4981 Sh. med. to dk. gray, silty lps. w/ scattered interbeds Lmsts. similar to #1 + #2 descriptions 4685-4921

4981-4998 Qtz. sst. brn. from oil st. v. to v. fn. + tes. fn. gr. j. aug. por filling, scattered tes. glauc. to och. chlorite to hvy. tes. finely disseminated pyr. dul. g. dul. to gid. w. yet. fluor. in a. p. dried sand w/ flush to excel. steming. cuts; hvy. tes. to abn. por. to test. micro. pp. to intergr. por. j. Quest. P. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

5020-5043 Interbedded to Gradational Lmsts, Shs & Siltst. similar to 4998-5016

5043-5047 Qtz. sst. tan to blk. from oil st. j. v. fn. gr. to v. fn. gr. j. aug. j. por. to fine sort. tes. to v. abn. blk. microp. pp. Stone sh. fragm. clay filled lps. silty. j. yellow. w. yellow. to excel. silty. j. cuts. abn. por. to fine micro. pp. to intergr. por. lps. (see 5020)
 5047-5116 Interbedded to Gradational Lmsts, Shs, scattered tes. siltst. and tes. Qtz. sst. poss. from above
 ① Lms. H. gray. Tanish gr. to grayish. Tan. crypto. to fine. v. v. fn. xlm. j. tes. sub-succ. packst. n. + sub-lith. gr. j. dal. H. yellow. lps. No cut. No vis. por.
 ② Sh. med. to dk. gray. - tes. sl. to v. silty
 ③ Scattered tes. siltst. med. gray. j.



trs. Qtz, sdst pass. from above
 ① Lms. H. gray, tanish gray, to grayish tan; crypto. totals. v.v. fine. xln.; trs sub-sucro; p. chert. + sub-lith. gray; dal. th. yellow. fluor. IP's; No Cut; No Vis. for.
 ② Sh med to dk. gray. - trs sl. to v. silty
 ③ Scattered trs. silt-stained gray / Show
 ④ Scattered trs. Qtz 2.5 sub-stw / Show
 Sim. loc. 4981-4998 & 5043-5047
 Prob. Carving's 311

516-5127 Sh. H. to med gray w/ matt to earthy texture - soft & mushy
 5127-5134 Lms. grayish tan to tan crypto to v.v. fine; sub-chalk, sub-sucro, p. chert + trs sub-lith. gray, dal. th. yellow. fluor. IP's; No Cut; No Vis. for.; w/ trs chert gray.
 5134-5149 Lms. abn. white to cream-chalk w/ sl. dk. tan - spid. to even oil stain; earthy. oolitic (sm. med. thin) matrix sub-chalk, sub-sucro to sucro; dal. gl. in tog/dm. yellow. fluor. w/ trs having flush tog/d. staining cuts + w/ family to Ring Cut; 2 bu. pp. to R. v. trs. gd. matrix - pp. to inter. in porosity + trs p. tota. inter. oolitic por. IP's + abn. loose oolites w/ trs. chert gray + tan orange opque

5149-5211 Lms. trs. wht. to cream-chalk + cream to tan, grayish. IP's; crypto to v.v. fine. xln.; v. to ext. fine. oolitic (5m., med. + lg.) matrix sub-chalk sub-chalk sub-sucro + p. chert + dal. yellow. fluor.; No Cut; No Vis. for.; w/ trs. chert gray, tan to orange; opque to trans.

Lms. abn. white to cream-chalk w/ chalk oolites IP's + tr. gray, tanish gray to grayish tan; ext. oolitic (med. lg + trs sm.) matrix sub-chalk; trs. sub-sucro + p. chert. dal. yellow. fluor.; No Cut; No Vis. for. w/ trs. chert gray, tan to orange; opque to trans.

5218-5240 Lms similar 5149-5211

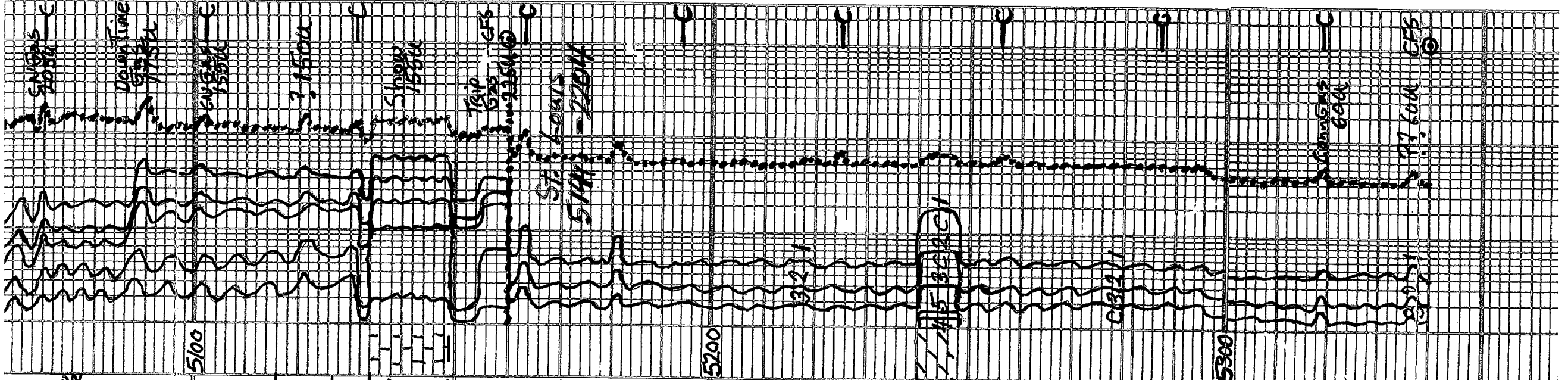
Dolo. lt. gray, v. fine xln. sub-sucro to sucro yellow. fluor.; No Cut; No Vis. for.

5247-5311 Lms. sil. dolomitic IP's; lt. gray, tanish gray to grayish tan; crypto. to v.v. fine. xln.; trs sub-chalk, trs sub-sucro, p. chert. and sub-lith. gray, abn. p. chert. oolitic IP's to trs oolitic IP's; dal. yellow. fluor.; No Cut; No Vis. for. w/ trs to hvy trs chert gray to tan, orange IP's; opque to trans.

5311-5340 Lms similar 5247-5311 becoming more dolomitic IP's w/ trs. wht, med to coarse calc xls. + frags. auts.

TD 5340

7 1/2 inch Bit Info
 #1 New Teicone Button
 GT GT2 XG
 in AT 1792 out AT 4610
 in 110... Tail...



1V5340

7 1/8 inch Bit Info:
 #1 New Telcone Button
 GT GT2 XG
 in AT 1792 out AT 4610
 #2 New Tricone Button
 Smith FZT IHY
 in AT 4610 out AT 5340 TD
 Cir Points:
 1. 4610 5. 5000
 2. 4660 6. 5090
 3. 4920 7. 5160
 4. 4970 8. 5340

Dev. SURV.
 1. 652 3/4° 5. 4610 3/4°
 2. 1792 1 1/4° 6. 5030 20 3/4°
 3. 1792 1 1/4° 7. 5160 3/4° TD
 4. 2414 1° 8. 5340 13/4°

Daily Drilling Progress

1	3325	7:00 AM	1-7-15
2	3700	12:05 AM	1-8-15
3	3855	7:00 AM	1-8-15
4	4298	7:00 AM	1-9-15
5	4610	7:00 AM	1-10-15
6	4610	7:00 AM	1-11-15
7	4660	7:00 AM	1-12-15
8	4792	7:00 AM	1-13-15
9	5006	7:00 AM	1-14-15
10	5030	7:00 AM	1-15-15
11	5160	7:00 AM	1-16-15
12	5214	7:00 AM	1-17-15
13	5340 TD	7:00 AM	1-18-15

DST #1 Marston 4578-4610
 ID Bob 18min FO Bob 27min
 Rec 850ft xw Schl 5700ppm
 pilch 3700ppm

Rw = .18 @ 570F pH 7.5 Max Temp 121°F
 IHP 2206
 IFF 13-225 in 30min FHP 1298 in 60min
 FSIP 1301 in 60min FHP 2196

DST #2 Pawnee Straddle Test

IO Bob 65min 88 2 1/4
 FO Bob 11min 88 1 1/2
 Rec 470' Total Fluid + 1100' G.I.P
 45' clean oil 100% oil
 85' OSWM 38 oil 40 wtr 578 mud
 340' xw 100% xw

Grav. oil 38° at 60°F
 chl 12400ppm Pilch 3600ppm
 pH 7.5 Max Temp 122°F
 IHP 2245 FFP 125-248 in 60min
 IFF 35-113 in 30min FHP 1311 in 120min
 FSIP 1302 in 60min FHP 2237

DST #3 Morrow 4984-5030
 IO weak blow incr to 1 1/2 in 20min FO No Blow
 Rec 30" Delg Mud 100% Mud - Oil Speds in Tool
 IHP 2447 FFP 34-35 in 30min
 IFF 16-32 in 30min FSIP 425 in 120min
 FSIP 407 in 60min FHP 2443

DST #4 Basal Chester 5136-5160

ID surf to 4.5" No blow back
 FO surf to 4.0" No blow back
 Rec 175' Total Fluid + 180' G.I.P
 20' HDGM - 30% oil - 70% Mud
 155' OSMCW 2% oil - 88% xw: 10% mud
 chl 9300ppm Pilch 3400ppm Rw 11054F
 pH 7.0 Max Temp 130°F
 IHP 2506 FFP 62-111 in 60min
 IFF 23-59 in 30min FSIP 1364 in 120min
 FSIP 1370 in 60min FHP 2499

Mud Info:

Date	1-6	1-7	1-8	1-9	1-10	1-11	1-12	1-13
Time	9:30A	10:30A	11:30A	12:30A	1:30A	2:30A	3:30A	4:30A
Depth	2924	3357	3944	4370	4610	4635	4660	4688
Wt.	9.3	9.45	9.0	9.4	9.25	9.2	9.35	9.35
Vis	29	32	71	46	48	57	48	55
PV	2	3	20	12	15	14	14	17
YP	2	4	25	11	13	14	13	20

IHP 2506 FFP 62-111 in 60 min
 IHP 23-59 in 30 min FSP 1362 in 120 min
 IHP 1370 in 60 min FHP 2499

Mud Info:

Date	1-6 8:20A	1-7 8:10A	1-8 8:20A	1-9 9:45A	1-10 11:20A	1-11 11:55A	1-12 12:55A	1-13 1:25P
Depth	2924	3357	3944	4370	4610	4635	4660	4688
Wt.	9.2	9.45	9.0	9.4	9.25	9.2	9.35	9.35
Vis	29	32	71	46	48	57	48	55
PV	2	3	20	12	15	14	14	17
YP	2	4	25	11	13	14	13	20
GS	2/3	3/4	20/63	8/37	7/31	8/30	8/31	18/4
NL	N/C	N/C	9.2	9.6	7.6	8.4	8.0	9.6
Cake	-	-	1/32	1/32	1/32	1/32	1/32	1/32
pH	7.0	7.0	10.5	9.0	10.5	10.0	10.0	10.0
Chl	4400	1800	3800	3700	3000	3600	3900	4400
Ca	HVY	HVY	100	40	10	40	20	80
LCM	1/2	1	1 1/2	2	3	3	3	3 1/2

Date	1-14 10:20A	1-15 6:40A	1-16 12:50P	1-17 6:15A
Depth	5030	5030	5160	5219
Wt.	9.45	9.5	9.4	9.35
Vis	61	48	50	60
PV	14	14	15	18
YP	18	16	17	20
GS	17/53	19/46	16/49	17/55
NL	10.8	11.2	10.0	8.8
Cake	1/32	1/32	1/32	1/32
pH	9.0	9.0	9.2	9.0
Chl	3700	5100	3500	3800
Ca	120	140	40	20
LCM	3	3 1/2	3	3

OPERATOR Berexco LLC LOCATION 1650 FNL + 1650 FWL SNG. 34 W
 LEASE Stacy NO. 1-24 TWT. 2.5 STATE Kansas
 ELEVATION 2945 HB RTD 5340 COUNTY Finnex