



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1189642
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: _____

1189642

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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	Elnora 1-20
Doc ID	1189642

All Electric Logs Run

Compact Photo Density Compensated Neutron Log
Microresistivity Log
Array Induction Shallow Focused Electric Log
Compensated Sonic Log with Integrated Travel Time

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Elnora 1-20
Doc ID	1189642

Tops

Name	Top	Datum
Heebner (base)	3926	-985
Toronto	3942	-1001
Lansing	3970	-1029
KS City "A"	4382	-1441
Marmaton	4533	-1592
Cherokee	4675	-1734
Morrow	4920	-1979
Chester	5033	-2092
St. Genevieve	5096	-2155
St. Louis	5035	-2194
RTD	5345	
LTD	5340	

ALLIED OIL & GAS SERVICES, LLC 061899

Federal Tax I.D. # 20-3651475

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

SERVICE POINT:
Great Bend K

DATE <u>10-28-13</u>	SEC. <u>20</u>	TWP. <u>26</u>	RANGE <u>33W</u>	CALLED OUT <u>12:00 AM</u>	ON LOCATION <u>10:30 AM</u>	JOB START <u>3:00 PM</u>	JOB FINISH <u>4:15 PM</u>	
LEASE <u>None</u>		WELL # <u>1-20</u>		LOCATION <u>Madison City, 10 South</u>		COUNTY <u>Finney</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)			<u>4 1/2 West, South into</u>					

CONTRACTOR Benedec #1 OWNER Same

TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 1779
 CASING SIZE 8 5/8 DEPTH 1778
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 800* MINIMUM 250*
 MEAS. LINE SHOE JOINT 9/2
 CEMENT LEFT IN CSG 42'
 PERFS.
 DISPLACEMENT 110.58

CEMENT
 AMOUNT ORDERED 625 65/35 620 320 cc
1/4" Flow 1/2" - 150 320 cc
1/4" Flow 1/2"

COMMON	<u>150</u>	@ <u>17.90</u>	<u>2,685.00</u>
POZMIX		@	
GEL		@	
CHLORIDE	<u>26</u>	@ <u>64.00</u>	<u>1,664.00</u>
ASC		@	
<u>625 5x 5.12 wt</u>		@ <u>16.50</u>	<u>10,312.50</u>
<u>Flow 320</u>	<u>157</u>	@ <u>2.97</u>	<u>466.29</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>939.31</u>	@ <u>2.48</u>	<u>2,329.50</u>
MILEAGE	<u>36.97 x 50 x</u>	<u>2.60</u>	<u>4,806.62</u>
			TOTAL <u>22,263.91</u>

REMARKS:

Run 1778' of 8 5/8 cas. Break circulation
Pumped 5 bbl H2O. Mixed 625 lbs
65/35 1/2" sand, 320 cc, 1/4" Flow per sack.
Followed by 150 lb cement + 320 cc,
1/4" Flow 1/2" sand. Released Plug
Displaced with H2O. Landed Plug
at 800' Released & float held.
(Approx. 20 bbl to pit.) Cement did
circulate

SERVICE

DEPTH OF JOB	<u>1778</u>		
PUMP TRUCK CHARGE		<u>2,213.75</u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>Hum 50</u>	@ <u>7.70</u>	<u>385.00</u>
MANIFOLD	<u>Head</u>	@ <u>275.00</u>	<u>Nc</u>
		@	
		@	
			TOTAL <u>2,598.75</u>

CHARGE TO: Benedec
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1- 8 5/8 Guide shoe</u>	@ <u>270.00</u>	<u>270.00</u>
<u>1- 8 5/8 AFU Insert</u>	@ <u>158.75</u>	<u>158.75</u>
<u>3- 8 5/8 Centralizer</u>	@ <u>46.25</u>	<u>138.75</u>
<u>1- 8 5/8 Basket</u>	@ <u>220.00</u>	<u>220.00</u>
<u>1- 8 5/8 Reducer Plug</u>	@ <u>76.25</u>	<u>76.25</u>
		TOTAL <u>863.75</u>

SALES TAX (If Any) _____
 TOTAL CHARGES 25,726.41
6,961.24
 DISCOUNT _____ IF PAID IN 30 DAYS
18,764.87

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 Michael Servato

SIGNATURE [Signature]



CEMENTING LOG

Date 11/13/2013 District Liberal # 21 Ticket No. 052113
 Company BEREXCO Rig BEREXCO # 1
 Lease ELNORA Well No 1-20
 County FINNEY State KS

CEMENT DATA
 Spacer Type 10 BBL FW / 10 BBL FW
 Amt. Sks Yield ft³/sk Density PPG

Location
 Field
 Casing Data: Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 5 1/2 Type 1-55 Weight 15.5 Collar 8RD

LEAD: Time hrs. Type ALWC: TYPE 1 - CLASS A
1/4# FLOSEAL Excess
 Amt: 100 Sks Yield: 1.97 ft³/sk Density: 12.5 PPG
 TAIL: Time hrs. Type ASCA
6# GILSONITE, .5% FL-160, .25% DEFOAMER Excess
 Amt: 250 Sks Yield 1.58 ft³/sk Density 14.5 PPG
 WATER Lead 10.9 Gal/sk Tail 7.23 Gal/sk Total BBLs

Casing Depths Top SI 43 FT Bottom 5343
 DV TOOL @ 3205 FT

Pump Trucks Used: 530 - 484
 Bulk Equipment 470 - 467
456 - 251

Drill Pipe: BBLs/LIN. FT LIN. FT/BBL
 Open Hole: BBLs/LIN. FT LIN. FT/BBL
 Capacity Factors: BBLs/LIN. FT LIN. FT/BBL
 Casing BBLs/LIN. FT 0.0159 LIN. FT/BBL
 Open Holes BBLs/LIN. FT 0.0309 LIN. FT/BBL
 Drill Pipe BBLs/LIN. FT LIN. FT/BBL
 Annulus BBLs/LIN. FT LIN. FT/BBL
 BBLs/LIN. FT LIN. FT/BBL
 Perforations From ft to ft Amt

Float Equipment: Manufacturer INDUSTRIAL RUBBER
 Shoe: Type AFU FLOAT SHOE Depth 5343
 Float: Type LD PLUG Depth 5300
 Centralizers: Quantity 18 Plugs Top Bottom
 Stage Collars IR DV TOOL W/PLUG SET
 Special Equipment 3 BASKETS
 Disp: Fluid Type Amt bbls Weight PPG
 Mud Type Weight

COMPANY REPRESENTATIVE CEMENTER KIRBY HARPER

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
1300						ON LOCATION - SPOT AND RIG UP
1930						CASING ON BOTTOM - BREAK CIRCULATION
2030						SAFETY MEETING
2040	3000					PRESSURE TEST
2042	300			10'	5	START PUMPING 10 BBL FRESH WATER SPACER
2047	300			35'	5	START MIXING 100 SK ALWC @ 12.5 PPG
2102	300			70'	5	START MIXING 250 SK ASCA @ 14.5 PPG
2120						SHUT DOWN - CLEAN LINES - DROP LATCH DOWN PLUG
2126	200		0	50'	5	START PUMPING 50 BBL FRESH WATER
2132	300		50	76'	5	START PUMPING 76 BBL MUD
2148	500		70		2	SLOW RATE
2154	600		80		5	RESUME RATE
2203	900		116		2	SLOW RATE
2208	1000		129			PLUG DIDN'T LAND
2209	1000					RELEASE PRESSURE - FLOATS HELD
2217						DROP OPENING TOOL
2230	1200					OPEN TOOL - BREAK CIRCULATION WITH RIG - WOC
0230						PLUG RAT AND MOUSE HOLES
0310	3000					PRESSURE TEST
0312	200			10'	5	START PUMPING 10 BBL FRESH WATER SPACER
0314	200			106'	5	START MIXING 300 SK ALWC @ 12.5 PPG
0336	200			14'	5	START MIXING 50 SK ASCA @ 14.5 PPG
0349						SHUT DOWN - CLEAN LINES - DROP CLOSING TOOL
0358	200		0		6	START DISPLACING WITH 76 BBL FRESH WATER
0415	1000		66		2	SLOW RATE
0419	1000-2500		76			BUMP PLUG
0421	2500					RELEASE PRESSURE - TOOL CLOSED

FINAL DISP. PRESS 1000/1000 PSI BUMP PLUG TO 1000/2500 PSI BLEEDBACK .5/5 BBLs THANK YOU

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	BEREXCO LLC	Job Number	M572
Well Name	ELNORA #1-20	Representative	MIKE COCHRAN
Unique Well ID	DST#1 4016-4026 LANSING"B"	Well Operator	BEREXCO LLC
Surface Location	SEC.20-26S-33W FINNEY CO.KS.	Report Date	2013/11/02
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	EDWIN H. GRIEVES
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 4016-4026 LANSING"B"		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/01	Start Test Time	23:10:00
Final Test Date	2013/11/02	Final Test Time	11:30:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**

289' GO 2% GAS, 98% OIL
816' VSOSGMW 2% GAS, 80% WTR, 18% MUD W/ A THIN SCUM OF OIL (191'DP, 625'DC)
1105' TOTAL FLUID

GRAVITY: 37.5 @ 60 DEG

CHLOR: 15,000 PPM
PH:8.5
RW: .52 @ 61 DEG

TOOL SAMPLE: 1% GAS, 88% OIL, 8% WTR, 3% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ELNR1-20DST1

TIME ON: 2310 (11/1)
TIME OFF: 1130 (11/2)

Company BEREXCO LLC Lease & Well No. ELNORA #1-20
Contractor BEREDCO RIG 1 Charge to BEREXCO LLC
Elevation 2929 GL Formation LANSING"B" Effective Pay _____ Ft. Ticket No. M572
Date 11/01/2013 Sec. 20 Twp. 26 S Range 33 W County FINNEY State KANSAS
Test Approved By EDWIN H. GRIEVES Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 4016 ft. to 4026 ft. Total Depth 4026 ft.
Packer Depth 4011 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4016 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3998 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4023 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 49 Drill Collar Length 625 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,200 P.P.M. Drill Pipe Length 3359 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 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: SSB, BOB 7 MIN (5" BB)
2nd Open: GSB, BOB 14 MIN (3" BB)

Recovered 289 ft. of GO 2% GAS, 98% OIL GRAVITY: 37.5 @ 60°
Recovered 816 ft. of VSOSGMW 2% GAS, 80% WTR, 18% MUD W/ A THIN SCUM OF OIL (191'DP, 625'DC)
Recovered 1105 ft. of TOTAL FLUID

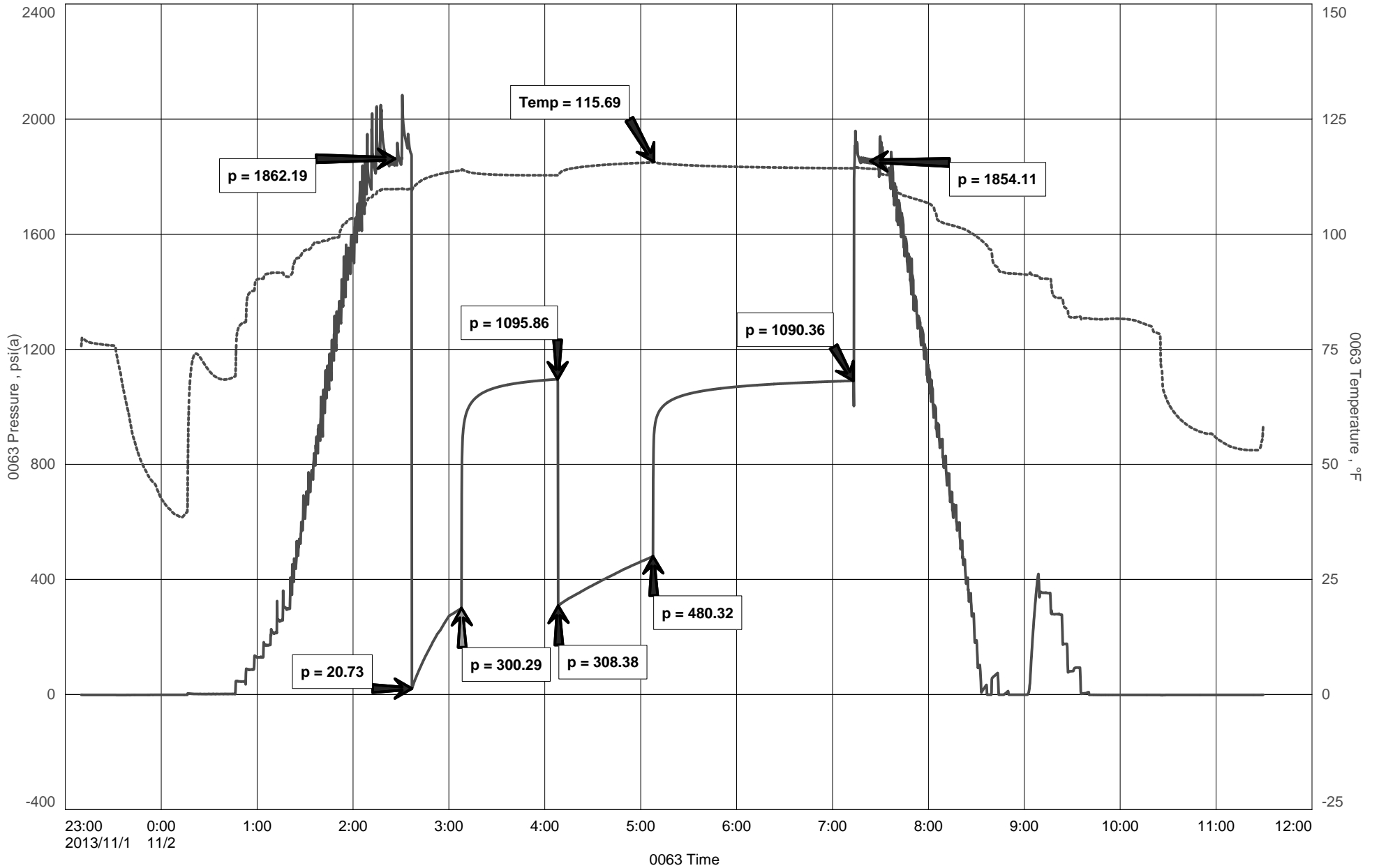
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>CHLOR: 15,000 PPM</u>	Other Charges
Recovered _____ ft. of <u>RW: .52 @ 61 DEG</u>	Insurance
Remarks: <u>PH: 8.5</u>	
<u>TOOL SAMPLE: 1% GAS, 88% OIL, 8% WTR, 3% MUD</u>	Total

Time Set Packer(s) 2:30 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 7:00 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 116°F

Initial Hydrostatic Pressure..... (A) 1862 P.S.I.
Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 300 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1096 P.S.I.
Final Flow Period..... Minutes 60 (E) 308 P.S.I. to (F) 480 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1090 P.S.I.
Final Hydrostatic Pressure..... (H) 1854 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.

ELNORA #1-20





DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: ELNR1-20DST2

TIME ON: 1025
 TIME OFF: 2145

Company BEREXCO LLC Lease & Well No. ELNORA #1-20
 Contractor BEREDCO LLC RIG 1 Charge to BEREXCO LLC
 Elevation 2929 GL Formation LANSING"G" Effective Pay _____ Ft. Ticket No. M573
 Date 11/03/2013 Sec. 20 Twp. 26 S Range 33 W County FINNEY State KANSAS
 Test Approved By EDWIN H. GRIEVES Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 4235 ft. to 4260 ft. Total Depth 4260 ft.
 Packer Depth 4230 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
 Packer Depth 4235 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4217 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) 4257 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 52 Drill Collar Length 625 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 4,400 P.P.M. Drill Pipe Length 3578 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 25 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: A WEAK INTERMITTENT SURFACE BLOW THAT WAS DEAD AFTER 11 MIN (NO BB)
2nd Open: NO BLOW (NO BB)

Recovered <u>5</u> ft. of <u>GM ~100% MUD W/ SOME GASSY BUBBLES</u>	Price Job Other Charges Insurance Total
Recovered <u>5</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	
TOOL SAMPLE: <u>~100% MUD W/ SOME GASSY BUBBLES AND A FEW SPOTS OF OIL</u>	

Time Set Packer(s) 3:45 P.M. ^{A.M.} P.M. Time Started Off Bottom 6:45 P.M. ^{A.M.} P.M. Maximum Temperature 114°F
 Initial Hydrostatic Pressure..... (A) 2009 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 11 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1105 P.S.I.
 Final Flow Period..... Minutes 30 (E) 12 P.S.I. to (F) 15 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1060 P.S.I.
 Final Hydrostatic Pressure..... (H) 1990 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

Pressure Survey Report

General Information

Company Name	BEREXCO LLC	Job Number	M573
Well Name	ELNORA #1-20	Representative	MIKE COCHRAN
Unique Well ID	DST#2 4235-4260 LANSING"G"	Well Operator	BEREXCO LLC
Surface Location	SEC.20-26S-33W FINNEY CO.KS.	Report Date	2013/11/03
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	EDWIN H. GRIEVES
		Test Unit	NO. 1

Test Information

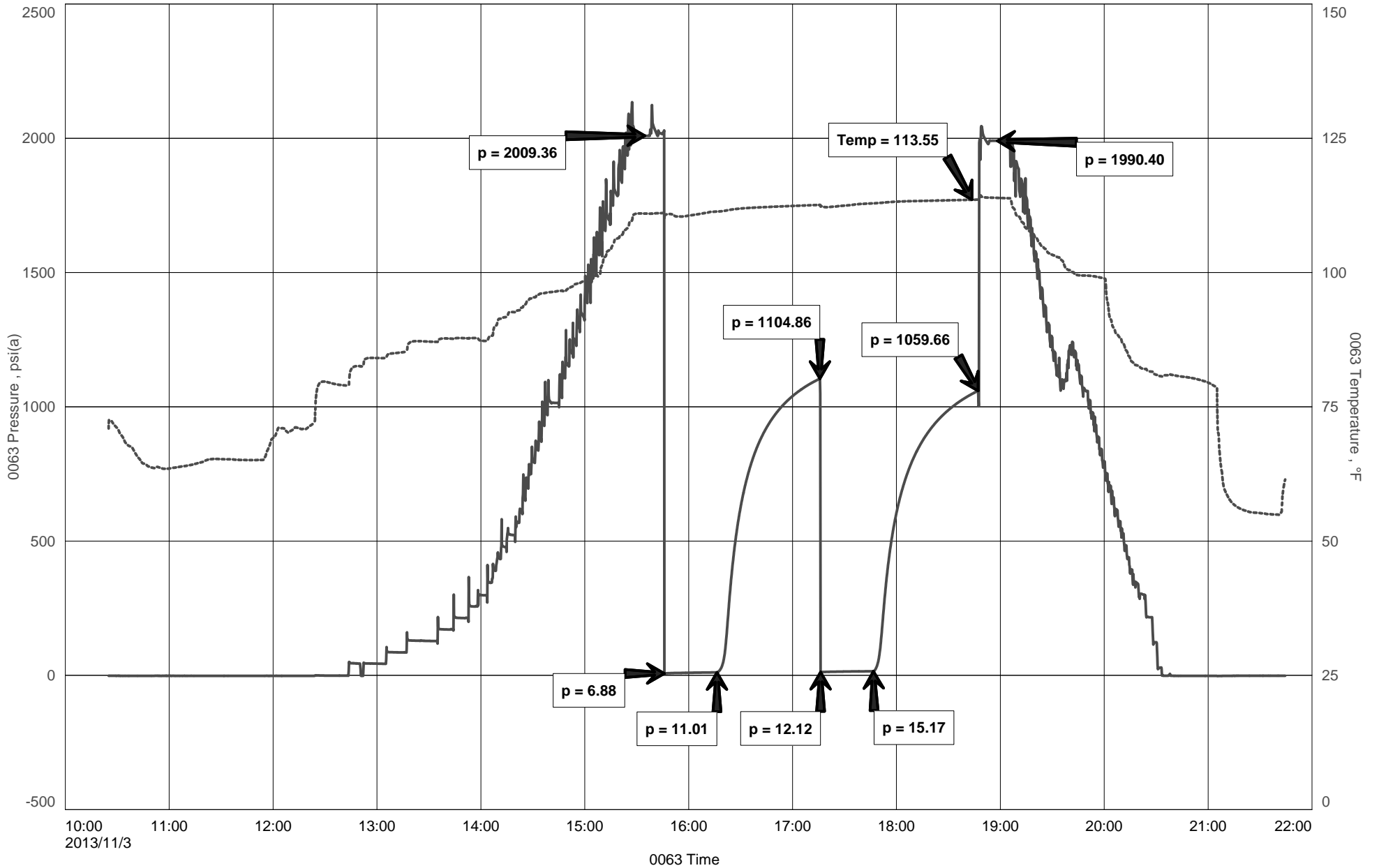
Test Type	CONVENTIONAL		
Formation	DST#2 4235-4260 LANSING"G"		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/03	Start Test Time	10:25:00
Final Test Date	2013/11/03	Final Test Time	21:45:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
5' GM ~100% MUD W/ SOME GASSY BUBBLES
5' TOTAL FLUID

TOOL SAMPLE: ~100% MUD W/ SOME GASSY BUBBLES AND A FEW SPOTS OF OIL

ELNORA #1-20



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	BEREXCO LLC	Job Number	M574
Well Name	ELNORA #1-20	Representative	MIKE COCHRAN
Unique Well ID	DST#3 4552-4566 MARMATON	Well Operator	BEREXCO LLC
Surface Location	SEC.20-26S-33W FINNEY CO.KS.	Report Date	2013/11/06
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	EDWIN H. GRIEVES
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 4552-4566 MARMATON		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/05	Start Test Time	14:15:00
Final Test Date	2013/11/06	Final Test Time	09:00:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

475' GO 5% GAS, 95% OIL
270' GOCM 8% GAS, 17% EMULSIFIED OIL, 75% MUD
745' TOTAL FLUID

GRAVITY: 38.4 @ 60 DEG

TOOL SAMPLE: 100% GAS



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ELNR1-20DST3

TIME ON: 1415 (11/5)
TIME OFF: 0900 (11/6)

Company BEREXCO LLC Lease & Well No. ELNORA #1-20
Contractor BEREDCO LLC RIG 1 Charge to BEREXCO LLC
Elevation 2929 GL Formation MARMATON B Effective Pay _____ Ft. Ticket No. M574
Date 11/05/2013 Sec. 20 Twp. 26 S Range 33 W County FINNEY State KANSAS
Test Approved By EDWIN H. GRIEVES Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 4552 ft. to 4566 ft. Total Depth 4566 ft.
Packer Depth 4547 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4552 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4534 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4563 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 57 Drill Collar Length 270 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,700 P.P.M. Drill Pipe Length 4250 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 14 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: SSB, BOB 1 MIN GTS IN 25 MIN GAS BURNED NICELY (BOB BB IN 15 MIN)
2nd Open: SSB, BOB 50 SEC. (BOB BB RIGHT AWAY)

Recovered 475 ft. of GO 5% GAS, 95% OIL GRAVITY: 38.4 @ 60°
Recovered 270 ft. of GOCM 8% GAS, 17% EMULSIFIED OIL, 75% MUD
Recovered 745 ft. of TOTAL FLUID

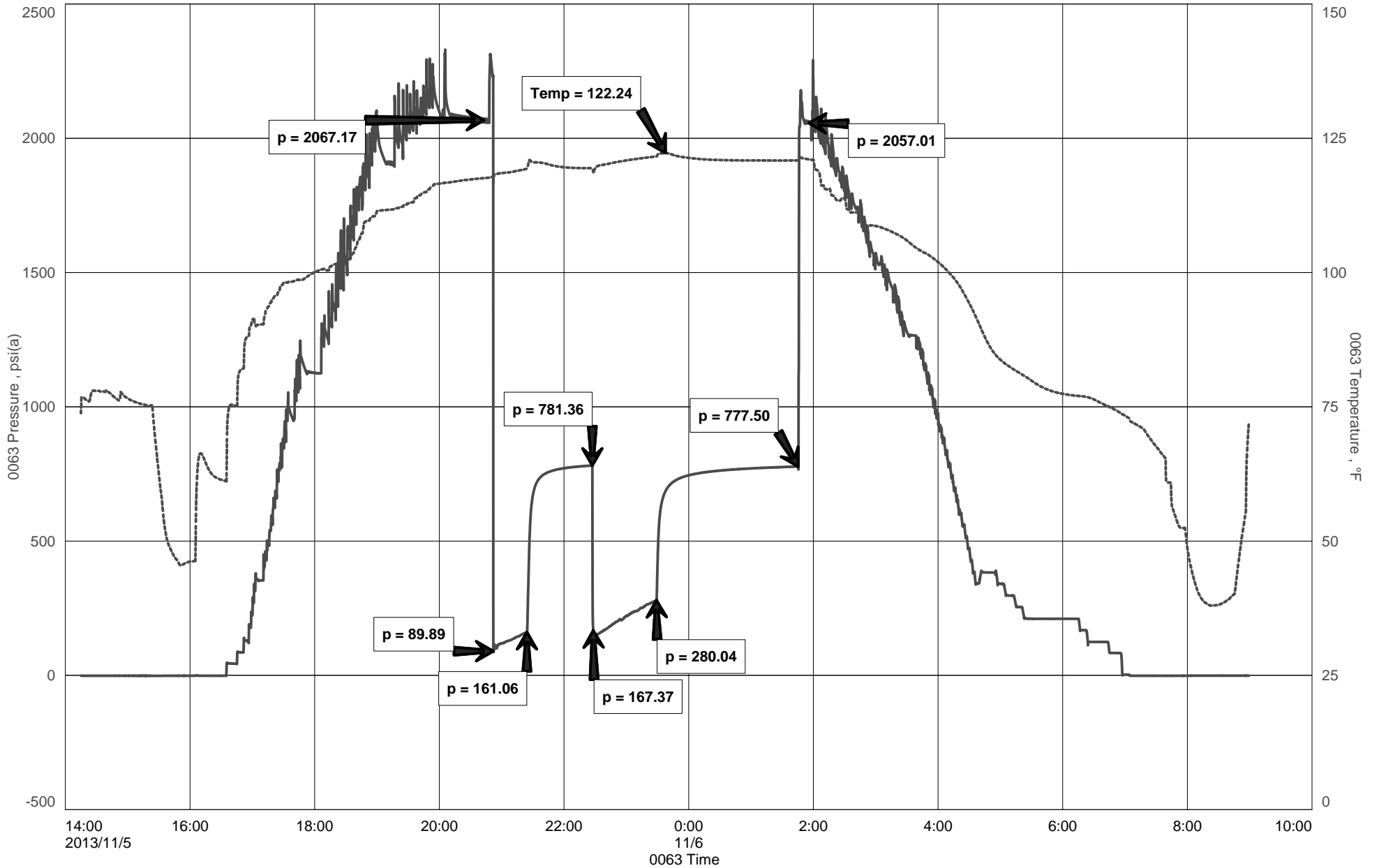
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: 100% GAS	Total

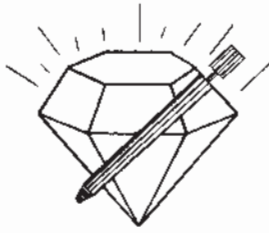
Time Set Packer(s) 9:00 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 1:45A.M. ^{A.M.}/_{P.M.} Maximum Temperature 122°F

Initial Hydrostatic Pressure..... (A) 2067 P.S.I.
Initial Flow Period..... Minutes 30 (B) 90 P.S.I. to (C) 161 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 781 P.S.I.
Final Flow Period..... Minutes 60 (E) 167 P.S.I. to (F) 280 P.S.I.
Final Closed In Period..... Minutes 135 (G) 778 P.S.I.
Final Hydrostatic Pressure..... (H) 2057 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.

ELNORA #1-20





DIAMOND TESTING
 P. O. Box 157
HOISINGTON, KANSAS 67544
 (316) 653-7550
GAS VOLUME REPORT

Company BEREXCO LLC Lease & Well No. ELNORA #1-20
 Date 11-5-2013 Sec. 23 Twp. 21S Rge. 12W Location _____ County FINNEY State KS
 Drilling Contractor BEREDCO LLC RIG 1 Formation MARMATON B DST No. 3
 Remarks: GTS 25 MIN 1ST OPEN, GAS BURNED NICELY

INITIAL FLOW PSI

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW INCHES OF WATER

Time O'Clock	Orifice Size	Gauge	CF/D
	.50 in.	in.	MCF/D
5 MIN	in.	6 in.	15.4
10 MIN.	in.	5 in.	14.1
15 MIN.	in.	6 in.	15.4
25 MIN.	in.	6 in.	15.4
35 MIN	in.	7 in.	16.7
45 MIN.	in.	8 in.	17.2
55 MIN.	in.	8 in.	17.2
	in.	in.	
	in.	in.	

SAMPLE TAKEN YES

FINAL FLOW 17.2 MCF/D



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ELNR1-20DST3

TIME ON: 1630 (11/9)
TIME OFF: 0610 (11/10)

Company BEREXCO LLC Lease & Well No. ELNORA #1-20
Contractor BEREDCO LLC RIG 1 Charge to BEREXCO LLC
Elevation 2929 GL Formation MORROW SAND Effective Pay _____ Ft. Ticket No. M575
Date 11/09/2013 Sec. 20 Twp. 26 S Range 33 W County FINNEY State KANSAS
Test Approved By EDWIN H. GRIEVES Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 5008 ft. to 5026 ft. Total Depth 5026 ft.
Packer Depth 5003 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 5008 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4990 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 5023 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 54 Drill Collar Length 270 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 4706 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 18 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: A WEAK TO VERY WEAK SB (NO BB)
2nd Open: NO BLOW (NO BB)

Recovered ~10 ft. of VSOSGM ~100% MUD W/ SOME GASSY BUBBLES & A VERY THIN SCUM OF OIL W/ A SLIGHT ODOR
Recovered ~10 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks:	Insurance
<u>TOOL SAMPLE:~100% MUD W/ SOME GASSY BUBBLES & A VERY THIN SCUM OF OIL W/ A STRONGER ODOR</u>	Total

Time Set Packer(s) 10:30 P.M. ^{A.M.} P.M. Time Started Off Bottom 3:00A.M. ^{A.M.} P.M. Maximum Temperature 125°F

Initial Hydrostatic Pressure..... (A) 2381 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 12 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 473 P.S.I.
Final Flow Period..... Minutes 60 (E) 14 P.S.I. to (F) 19 P.S.I.
Final Closed In Period..... Minutes 120 (G) 185 P.S.I.
Final Hydrostatic Pressure..... (H) 2354 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

Pressure Survey Report

General Information

Company Name	BEREXCO LLC	Job Number	M575
Well Name	ELNORA #1-20	Representative	MIKE COCHRAN
Unique Well ID	DST#4 5008-5026 MORROW SAND	Well Operator	BEREXCO LLC
Surface Location	SEC.20-26S-33W FINNEY CO.KS.	Report Date	2013/11/10
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	EDWIN H. GRIEVES
		Test Unit	NO. 1

Test Information

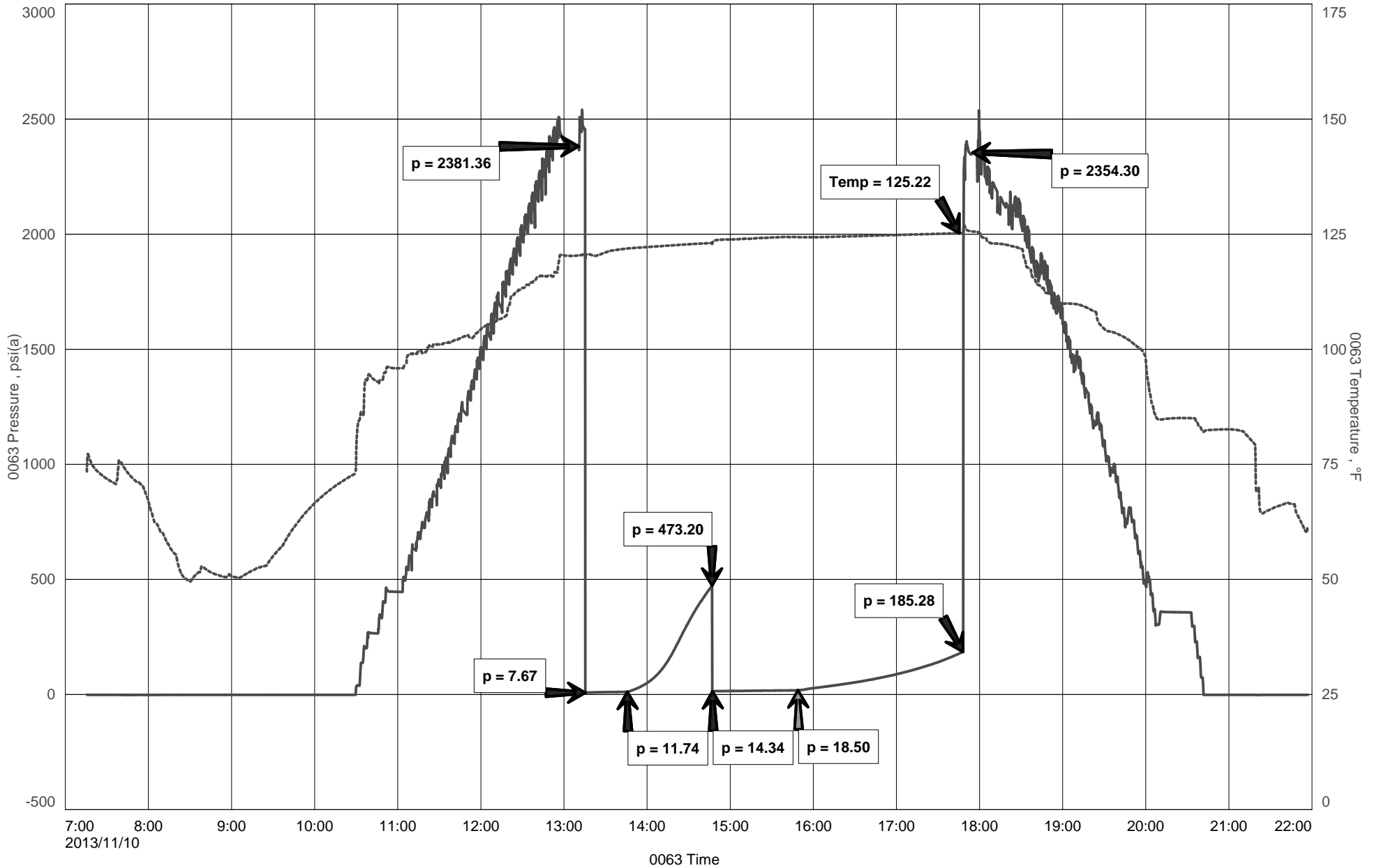
Test Type	CONVENTIONAL		
Formation	DST#4 5008-5026 MORROW SAND		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/09	Start Test Time	16:30:00
Final Test Date	2013/11/10	Final Test Time	06:10:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**
~10' VSOSGM ~100% MUD W/ SOME GASSY BUBBLES & A VERY THIN SCUM OF OIL W/ A SLIGHT ODOR
~10' TOTAL FLUID

TOOL SAMPLE: ~100% MUD W/ SOME GASSY BUBBLES & A VERY THIN SCUM OF OIL W/ A STRONGER ODOR

ELNORA #1-20



WELL FILE

GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG

COMPANY Berexco LLC
 LEASE Elnora NO. 1-20
 LOCATION 440 FNL & 475 FWL
 SEC. 20 TWP. 26S RNG. 33W
 COUNTY Finney STATE Kansas
 FIELD Wildcat

CONTRACTOR Beredco Dlg Rig #1
 COMM. 10-24-2013 COMP. 11-13-2013
 RTD 5345 LTD 5340
 No. of DST'S Four No. of CORES None

ELEVATIONS
 KB 2941
 DF 2939
 GL 2929
 MEASUREMENTS ARE ALL FROM KB

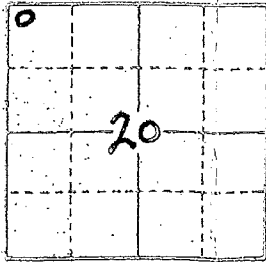
CASING RECORD
 8 7/8" OF 1778 W/775 SX.
 OF _____ W/ _____ SX.
 OF _____ W/ _____ SX.
 OF _____ W/ _____ SX.

EL. LOG A.R. Ind-SP-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

FORMATION TOPS	SAMPLE	LOG	SUBSEA
BASE HEEBNER	3937	3926	- 985
TORONTO	3948	3942	- 1001
LANSING FM.	3977	3970	- 1029
KANSAS CITY "A"	4387	4382	- 1441
MARMATON	4546	4533	- 1592
CHEROKEE FM.	4681	4675	- 1734
MORROW FM.	4933	4920	- 1979
CHESTER FM.	5039	5033	- 2092
ST. GENEVIEVE	5107	5096	- 2155
ST. LOUIS	5127	5035	- 2194
TD	5345	5340	



API# 15-055-22248

REMARKS Earth Tech had an unannounced gas detection trailer on this well from 3700 to total depth.

Note: Stuck Drill Pipe At 3419
Put in left 53 bbls crude oil, therefore
could not run Chromatograph
Read Gas Without Running Agitator
From 3700 to 4450.

*Thank you for the gas logist
 Geo logist*

LITHOLOGY

SANDSTONE	SLTSTONE
LIMESTONE	DOLOMITE
SHALE	GRANITE WASH
CHERT	ANY & GYP

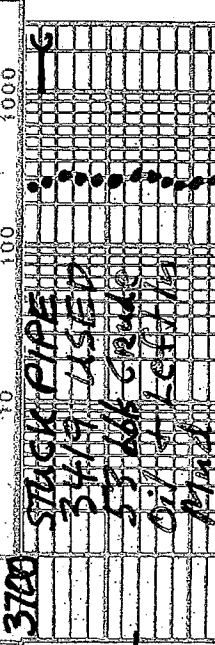
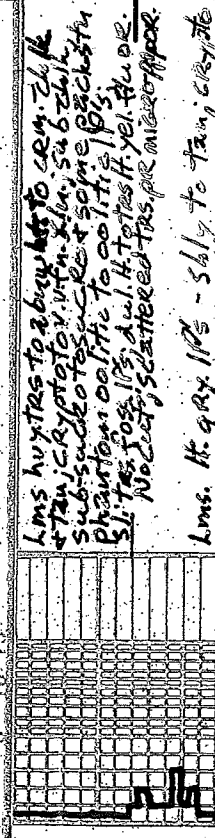
CHROMATOGRAPH
 HOT WIRE BY
 TOTAL GAS VOLUME

- C1 = METHANE
- C2 = ETHANE
- C3 = PROPANE
- C4 = BUTANE
- C5 = PENTANE

DRILL TIME SCALE 5 10 15

SAMPLE DESCRIPTION

GAS SCALE 10 100 1000



Lms. H. gray. lps - Saly to tan, crystals
to v.v. fine, sub-alk. Sub-succro
p. ch. est. d. ul. H. y. El. fo. d. ul. y. el. fo. d. ul.
No coat No Vis Por

Lms. similar 3700-3714

Lms. similar 3714-3735

Lms. similar 3700-3714

Lms. H. to med. gray, sh. to grayish
crypto. to v.v. fine, sub-alk
to v. sh. top, calc. w/tes sub-succro
No fluid; No coat; No Vis Por
Sh. v. dr. gray, to black - carb
Lms. gray to black, silty lps w/tes
Lms. similar 3737-3738
Lms. h. v. dr. to abn. white, to brown, sh. lps
+ H. tan to tan, crypto. to v.v. fine, x. lms.
tes, sub-alk, h. v. dr. succro to succro.
d. ul. H. to H. v. dr. No coat; abn. pe
to sh. tes. micro-pp per

Lms. H. gray, sh. to tan, crystals
to v.v. fine, sub-alk. Sub-succro
p. ch. est. d. ul. H. y. El. fo. d. ul. y. el. fo. d. ul.
No coat No Vis Por

Lms. H. gray, sh. to tan, crystals
to v.v. fine, sub-alk. Sub-succro
p. ch. est. d. ul. H. y. El. fo. d. ul. y. el. fo. d. ul.
No coat No Vis Por

Lms. H. gray, sh. to tan, crystals
to v.v. fine, sub-alk. Sub-succro
p. ch. est. d. ul. H. y. El. fo. d. ul. y. el. fo. d. ul.
No coat No Vis Por

Lms. H. gray, sh. to tan, crystals
to v.v. fine, sub-alk. Sub-succro
p. ch. est. d. ul. H. y. El. fo. d. ul. y. el. fo. d. ul.
No coat No Vis Por

Major

Note
Gas Readings
With Aquitard
OFF

Aquitard
OFF

Base of Icebergs
3937-990

was 3800
RAM 90
SAM 60
PP 150

Toronto
3948-1007

Lansing FM
3977-1036

Lansing 1009
4016-1073

3800

3900

4000

DS TH

See Data

4933-4974

Interbedded Lm. Sls + sh + sls
Lm. gres. foss frags + oolites
fm med. + thin. oolites. matrix
chlk. sub-chk. sub-sls. ool. frags
+ thin. sub-chk. + thin. sls. + sh.
1/2" + 1/4" res. faint rug. cuts

No Vis For

③ Sh. med. to v. dk gray w/ky. + fs
H green. to olive green

Interbedded Lm. Sls + sh + sls

Similar to 4933-4974
interbedded w/ qtz sst. H. gres. w/
abn. even to v. dk gray. to dk. oil
st. silt. to v. dk. gray. v. p. e. to
fine. silt. to v. dk. oil. dk. + sh. + s.
clay filling. dk. gray. yellow. w/
flux. to qd. streaming cuts; hysteresis
to trace. s. + sh. + s. + sh. + s. + sh. + s.
Prob. interbedded. v. feeble

Some loose qtz gres. + v. small clusters
qtz sst. bent. to dk. gray. from oil
st. + v. v. fine. to v. dk. gray. + sh. + s.
sub. ang. pe. to fine. + sh. + s. + sh. + s.
w/ clay. for. s. + sh. + s. + sh. + s. + sh. + s.
to sh. + s. + sh. + s. + sh. + s. + sh. + s.
oil. oil. oil. oil. oil. oil. oil. oil. oil. oil. oil.
flux. w/ flux. to excel. streaming cuts
abn. dk. to v. dk. + sh. + s. + sh. + s. + sh. + s.
micro. to v. dk. + sh. + s. + sh. + s. + sh. + s.
abn. flux. to v. dk. + sh. + s. + sh. + s. + sh. + s.
some fol. abn.

⑥ Lm. Sls. H. gray. to tan. compo-
osed. Lm. gres. foss. frags. v.
oolites. + thin. med. + thin. oolites.
gres. matrix. dk. sub. silt. + sh. + s.
sub. silt. + sh. + s. + sh. + s. + sh. + s.
flux. silt. dk. oil. oil. oil. oil. oil. oil. oil. oil. oil. oil.
flux. w/ flux. to excel. streaming cuts
abn. dk. to v. dk. + sh. + s. + sh. + s. + sh. + s.
micro. to v. dk. + sh. + s. + sh. + s. + sh. + s.
abn. flux. to v. dk. + sh. + s. + sh. + s. + sh. + s.
some fol. abn.

(H) Sh. med. gray. earthy to matt
texture. silt. to ext. calc.
5058-5107 Interbedded. fine. grad. + fine. grad.
Lm. Sls. + sh. + s. + sh. + s. + sh. + s. + sh. + s. + sh. + s.
greenish. lps. sh. to ext. silt. + sh. + s.
flux. w/ flux. to excel. streaming cuts
abn. dk. to v. dk. + sh. + s. + sh. + s. + sh. + s.
micro. to v. dk. + sh. + s. + sh. + s. + sh. + s.
abn. flux. to v. dk. + sh. + s. + sh. + s. + sh. + s.
some fol. abn.

④ Sh. med. gray. earthy to matt
texture. silt. to ext. calc.
grad. + fine. grad. + fine. grad.
Lm. Sls. + sh. + s. + sh. + s. + sh. + s. + sh. + s. + sh. + s.
greenish. lps. sh. to ext. silt. + sh. + s.
flux. w/ flux. to excel. streaming cuts
abn. dk. to v. dk. + sh. + s. + sh. + s. + sh. + s.
micro. to v. dk. + sh. + s. + sh. + s. + sh. + s.
abn. flux. to v. dk. + sh. + s. + sh. + s. + sh. + s.
some fol. abn.

5107-27 Lm. Sls. H. gray. tanish. lps. to
greenish. lps. earthy to v. v. dk. sh.
ext. silt. + sh. + s. + sh. + s. + sh. + s. + sh. + s. + sh. + s.
flux. w/ flux. to excel. streaming cuts
abn. dk. to v. dk. + sh. + s. + sh. + s. + sh. + s.
micro. to v. dk. + sh. + s. + sh. + s. + sh. + s.
abn. flux. to v. dk. + sh. + s. + sh. + s. + sh. + s.
some fol. abn.

5127-5230 Lm. Sls. tan. to H. gray.
earth. to v. v. dk. sh. + sh. + s. + sh. + s.
to v. oolitic (sum. med. + thin. lps.)
matrix chlk. + sub. chlk. + sh. + s. + sh. + s.
+ thin. + sh. + s. + sh. + s. + sh. + s. + sh. + s. + sh. + s.
flux. w/ flux. to excel. streaming cuts
abn. dk. to v. dk. + sh. + s. + sh. + s. + sh. + s.
micro. to v. dk. + sh. + s. + sh. + s. + sh. + s.
abn. flux. to v. dk. + sh. + s. + sh. + s. + sh. + s.
some fol. abn.

DST #4



see below

Morrow FM
4933-1992

TRIN GRASS 254

CHESTER FM
5039-2098

ST Genevieve

5107-2166

ST Louis

5127-2186

5100

5200

517 Louis 424
5230-2289

Limestone crypto. to v. fine. In
exactly opposite trend to 1st
sum. matrix chert sub. calc. & yellow.
highly sub. calc. & yellow. yellow.
flavor. Abundant. No. Vis. for
w/low. 1/2 in. to 2 in. loose
pieces. Fracture. Shaly
to tan. 1/2 in. to 1 in. pieces.

5236-68 kms w/ chert similar

5127-5230

w/abundant H. gray to tan. crypto.
to v. fine. In. This sub. calc. & yellow.
fracture. No. Vis. for
Dolo. H. gray to tan. 1/2 in.
v. fine. In. Siliceous. 1/2 in. v. sugro
yellow. Fracture. No. Vis. for

517 Louis 424
5268-2327

5272-5345 kms. sl. Dolo. 1/2 in.
tan gray to tan. H. gray. crypto.
to v. fine. In. This sub. calc. & yellow.
fracture. No. Vis. for

sub-lithog. red. yellow to tan. yellow
finer. No. Vis. for
interbedded with or
gradational to limestone
5177-5230
w/ tan chert. Whit. gray to tan
trans. l. to opaque

TD 5345

7 1/2 inch Bit Into:

- 1. New Smith F12Y
in 1779 out 4026
- 2. New Smith F271YV
in 4026 out 5345 TD

Dev. SURV.
only ones I Found
4566 1/2
5026 3/4
5345 TD
Cir Points

- 1. 3960 9. 4566 17. 5050
- 2. 3985 10. 4650 18. 5080
- 3. 4026 11. 4900 19. 5110
- 4. 4260 12. 4930 20. 5245
- 5. 4300 13. 4960 21. 5275
- 6. 4400 14. 5000 22. 5345
- 7. 4450 15. 506
- 8. 4562 16. 5026

Daily Drilg Progress:

- 1. 3700 12:39 AM 11-1-13
- 2. 3941 7:00 AM 11-1-13
- 3. 4026 7:00 AM 11-2-13
- 4. 4260 7:00 AM 11-3-13
- 5. 4300 7:00 AM 11-4-13
- 6. 4566 7:00 AM 11-5-13
- 7. 4566 7:00 AM 11-6-13
- 8. 4566 7:00 AM 11-7-13
- 9. 4822 7:00 AM 11-8-13
- 10. 5016 7:00 AM 11-9-13
- 11. 5026 7:00 AM 11-10-13
- 12. 5164 7:00 AM 11-11-13
- 13. 5345 7:00 AM 11-12-13
- 14. 5345 7:00 AM 11-13-13

CES

14. 534S 7:00AM 11/3-13

DST#1 Lansing "B" HD16-4026
IO Good Blow BOB 7 min
FO Good Blow BOB 14 min
Rec: 1105 Total Fluid BHT 116°F
289 C.Oil 22 Gas 98% oil
816 V.SI. 0.5% G.L. MW 80% W182M w/ thin seam oil
Chl 1500 ppm R.v. 52 @ 61°
PHT 8.5 Pit Chl 6200 ppm
Tool Sample 125.8820; 82 Wj 32 Mud
IHP 1862
IFFP 21-300 in 30 min oil
ISIP 1096 in 60 min 37.5
ESP 308-480 in 60 min @ 60°
FHP 1090 in 120 min
FHP 1854

DST#2 Lansing "G" 4235-4260
IO weak stuttering Blow Dred 11 in
FO No Blow
Rec: 5-ft 100% Mud w/ few Gas bubbles
Tool Samp. 100% mud w/ few spots of oil
IHP 2009 BMT 1140 F
IFFP 7-11 in 30 min
ISIP 1105 in 60 min
FFP 12-15 in 30 min
FSIP 1060 in 60 min
FHP 1990

DST#3 Marston "B" 4552-4586
IO Good Blow BOB 1 min OTS 25 min GAS WALL BURST
FO Good Blow BOB 50 sec 95% oil
745 ft Tot. Recov. 445' 20 52% 64 2 Mud
170' GOC M 82 G; 172' 01' 475 2 Mud
Tool Samp 100% Gas BHT 122°F
IHP 2067 FFP 167-200
IFFP 90-161 in 30 min FSIP 778
ISIP 781 in 60 min FHP 2057
Flow Into Grav 38.4 @ 60°
5 min 1/2 inch 6" 15.2 MCF/D
55 min 1/2 inch 8" 17.2 MCF/D
DST#4 Morrow 5008-5026
IO weak to weak SURF Blow
FO No Blow

Rec Total 10 ft Mud w/ thin seam of oil
Tool Sample 100% Mud slt.
Gassey w/ thin seam of oil
BHT 125°F
IHP 2381# in 30 min
IFFP 870-12# in 60 min
ISIP 473# in 60 min
FFP 14-19# in 60 min
FSIP 185# in 120 min
FHP 2354#

Mud Info:

Date	10-31	10-31	11-1	11-2	11-3	11-4	11-5	11-6
Depth	3416	3416	3985	4026	4260	4400	4400	4566
Wt.	8.3	9.0	9.15	9.1	9.1	9.7	9.15	8.2
Vis	61	49	49	46	52	55	57	48
PV	20	22	16	14	16	16	17	14
YP	20	18	16	14	18	18	20	15
GS	19/38	17/54	15/40	13/42	17/54	17/54	17/55	17/44
NL	11.2	16.4	9.2	9.6	8.8	9.6	9.2	9.2
Clake	1/32	1/32	1/32	1/32	1/32	1/32	1/32	1/32
pH	9.5	9.0	9.0	9.0	10.2	9.0	9.5	10.5
Chl	1000	15500	6100	7500	4400	5800	4700	3900
Ca	140	320	60	200	20	20	20	20

FT 14-IT 1460 msl
 FSIP 185 # in 120 min
 FHP 2354 #

Mud Info:

Date	10-31	11-1	11-2	11-3	11-4	11-5	11-6
Depth	3416	3985	4260	4400	4566	4566	4566
Wt.	8.7	9.0	9.1	9.2	9.2	9.15	8.9
Vis	61	49	46	52	55	57	48
PV	20	22	16	14	16	17	14
YP	20	18	14	18	18	20	15
GS	19/32	17/32	13/32	17/32	17/32	17/32	17/32
WL	11.2	16.4	9.2	8.8	9.5	9.2	9.2
Calc	1/32	1/32	1/32	1/32	1/32	1/32	1/32
pH	9.5	9.0	9.0	10.2	9.0	9.5	10.5
Chl	1000	15500	6200	7500	4400	5800	4100
Ca	140	320	60	200	20	20	20
LCM	4	2	2	1 1/2	4	2	2

Date	11-7	11-8	11-9	11-10	11-11	11-12
Depth	4617	4883	5026	5026	5184	5345
Wt.	9.0	9.2	9.25	9.3	9.4	9.4
Vis	45	40	54	64	52	54
PV	14	13	17	20	16	17
YP	15	13	19	24	17	20
GS	17/43	13/41	17/30	16/49	15/48	17/33
WL	8.8	11.5	8.8	8.0	9.2	8.8
Calc	1/32	1/32	1/32	1/32	1/32	1/32
pH	10.0	9.5	10.5	10.5	10.0	10.0
Chl	3200	2600	3000	3400	2400	3000
Ca	20	20	20	20	20	20
LCM	2	1 1/2	2	2	2	1

OPERATOR BEREXCO LLC LOCATION 440 ENL + 475 FWL
 LEASE ELMORA NO. 1-20 SEC. 20 TWP. 26S RANG. 33W
 ELEVATION 2941 KB STD 5345 COUNTY FINNEY STATE KANSAS