KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1059539

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34318
Name: BEREXCO LLC
Address 1: 2020 N. BRAMBLEWOOD
Address 2:
City: WICHITA State: KS Zip: 67206 + 1094
Contact Person: Evan Mayhew
Phone: (316) 265-3311
CONTRACTOR: License # 34317
Name: BEREDCO LLC
Wellsite Geologist: Ed Grieves
Purchaser: Central Crude Corp.

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

05/07/2011	05/26/2011	06/29/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-081-21938-00-00
Spot Description:
NE - SE - NW - SE Sec. 22 Twp. 30 S. R. 33 [ ] East [x] West
1858 Feet from [ ] North / [x] South Line of Section
1394 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Haskell
Lease Name: EJH Well #: 1-22
Field Name: Victory
Producing Formation: Morrow
Elevation: Ground: 2930 Kelly Bushing: 2943
Total Depth: 5649 Plug Back Total Depth: 5602
Amount of Surface Pipe Set and Cemented at: 1796 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 3121 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: 2000 ppm Fluid volume: 1800 bbls
Dewatering method used: Evaporated
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

- [x] **Letter of Confidentiality Received**
  Date: 08/04/2011
- [x] **Confidential Release Date:** 08/03/2013
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] **I** [ ] **II** [ ] **III** **Approved by:** NAOMI JAMES **Date:** 08/05/2011

Side Two

[redacted]

1059539

Operator Name: BEREXCO LLC Lease Name: EJH Well #: 1-22

Sec. 22 Twp. 30 S. R. 33 ☐ East ☑ West County: Haskell

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	24	1796	60/40 POZ, Cl. A	800	8%gel,3%cc,1/4# flakes
Production	8.875	5.50	15.5	5649	60/40 POZ, ASC	400	2%gel,6#gils,5%calseal
Prod. (D-V Tool)	8.875	5.50	15.5	3121	60/40 POZ, Cl A	400	8%gel,1/4#flakes

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	5244-5256 (Morrow)	500 gals 15% MCA	5244-5256

TUBING RECORD: Size: 2.875 Set At: SN at 5320 Packer At: 5318 (swinging - not set) Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 06/29/2011

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	65	30	5	462	36

DISPOSITION OF GAS:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
5244-5256

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	EJH 1-22
Doc ID	1059539

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	EJH 1-22
Doc ID	1059539

Tops

Name	Top	Datum
Heebner (Base)	4071	-1128
Toronto	4083	-1141
Lansing	4126	-1184
Marmaton	4776	-1834
Cherokee	4951	-2009
Morrow	5230	-2288
Chester	5370	-2428
St. Genevieve	5519	-2577
St. Louis	5543	-2601
Total Depth	5649	------

ALLIED CEMENTING CO., LLC. 036643

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: LIBERAL KS

DATE 5-9-11	SEC 22	TWP. 30	RANGE 33W	CALLED OUT	ON LOCATION	JOB START 7:30 AM	JOB FINISH 8:30 AM
LEASE EUH	WELL # 1-22	LOCATION SUBLETTE 5 to Rd 230				COUNTY HASKELL	STATE KS
OLD OR (NEW) (Circle one)							

CONTRACTOR BEREXCO #2
TYPE OF JOB 8 5/8 SURFACE
HOLE SIZE 12 1/4 T.D. 1805'
CASING SIZE 8 5/8 DEPTH 1795.62
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1100 PSI MINIMUM 0
MEAS. LINE SHOE JOINT 43.73'
CEMENT LEFT IN CSG. 43.73'
PERFS.
DISPLACEMENT 111 BBL

OWNER SAME

EQUIPMENT

PUMP TRUCK CEMENTER BOB
372 HELPER CESAR
BULK TRUCK
#470/467 DRIVER KENNY
BULK TRUCK
#457/251 DRIVER LENNY

CEMENT

AMOUNT ORDERED 650 60/40 Poz
6% GEL 3% CC 1/4 FLO
150 A 3% CC

COMMON	150 "A"	@ 16.25	2437.50
POZMIX		@	
GEL		@	
CHLORIDE	CC 265K	@ 58.20	1513.20
ASC		@	
		@	
	650 LITE	@ 14.50	9425.00
		@	
	FLO SEAL 163 LB	@ 2.70	440.10
		@	
		@	
		@	
		@	
HANDLING	831	@ 2.25	1869.75
MILEAGE	5K/mi .11		2285.25
		TOTAL	17970.20

REMARKS:

THANK YOU
CIRC CMT TO SURFACE

SERVICE

DEPTH OF JOB	1800'		
PUMP TRUCK CHARGE			1925.00
EXTRA FOOTAGE		@	
MILEAGE	50 mi	@ 7.00	350.00
MANIFOLD	HEAD	@	200.00
STOCK mi	50 mi	@ 4.00	200.00
Mig Time	3 hr	@ 354.00	-1062.00
		TOTAL	1613.00

CHARGE TO: BEREXCO
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8

~~1- GUIDE SHOE (REG)~~		@	
1- CMT BASKET		@ 314.00	314.00
5- CENTRALIZERS		@ 67.00	335.00
1- AFU		@ 238.00	238.00
1- SW Top Plug		@ 101	101.00
		TOTAL	988.00

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

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

PRINTED NAME Gilbert Davila Jr

SIGNATURE Gilbert Davila Jr

ALLIED CEMENTING CO., LLC. 036584

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Liberal KS

DATE 5.27.11	SEC. 22	TWP. 30s	RANGE 33w	CALLED OUT	ON LOCATION	JOB START 6:00PM	JOB FINISH 7:30PM
LEASE EJH	WELL # 1-22	LOCATION Vec Sublette KS.				COUNTY Haskell	STATE KS.
OLD OR NEW (Circle one)							

CONTRACTOR Beredco #2
TYPE OF JOB Production Two Stage.
HOLE SIZE T.D. 5650
CASING SIZE 5 1/2 DEPTH 5650
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DV Tool DEPTH 3123
PRES. MAX 1800 MINIMUM 1000
MEAS. LINE SHOE JOINT 42
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 133.5 BBL of H_2O & Mud.

OWNER

CEMENT

AMOUNT ORDERED 100 SK 60/40/8% gel 1/4# Flosea 300 SK ASC

EQUIPMENT

PUMP TRUCK CEMENTER Kenny
#372 HELPER Jose & Kenny
BULK TRUCK
#457-251 DRIVER Lenny
BULK TRUCK
#470-468 DRIVER Jose

COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC	300	@ 19.00	5700.00
Gilsonite	1800	@ .89	1602.00
Light Weight	100	@ 14.50	1450.00
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	436	@ 2.25	981.00
MILEAGE			1199.00
TOTAL			10932.00

REMARKS:

1st Stage.

THANK You!!!

SERVICE

DEPTH OF JOB 5650 ft
PUMP TRUCK CHARGE 2695.00

EXTRA FOOTAGE		@	
MILEAGE	50	@ 7.00	350.00
MANIFOLD	1	@ 200	200.00
Light V Mileage	50	@ 4.00	200.00
		@	

TOTAL 3445.00

CHARGE TO: Berexco Inc.
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

DV Tool	1	@ 3200	3200.00
Centralizers	22	@ 49.00	1078.00
Baskets	4	@ 300	1200.00
Float Shoe	1	@ 349	349.00
		@	

TOTAL 5827.00

To Allied Cementing Co., 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 [redacted]
DISCOUNT IF PAID IN 30 DAYS
[redacted]

PRINTED NAME
SIGNATURE

ALLIED CEMENTING CO., LLC. 036585

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Liberal KS.

DATE 5-27-11	SEC. 22	TWP. 30S	RANGE 33W	CALLED OUT	ON LOCATION	JOB START 11:30PM	JOB FINISH 1:00AM
LEASE EJH	WELL # 1-22	LOCATION Vec Sublette KS.				COUNTY Haskell	STATE KS.
OLD OR NEW (Circle one)							

CONTRACTOR Beredco #2
TYPE OF JOB Production Two Stage
HOLE SIZE 7 7/8 T.D. 5650
CASING SIZE 5 1/2 DEPTH 5650
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DV Tool DEPTH 3123
PRES. MAX 2000 MINIMUM 500
MEAS. LINE SHOE JOINT 42
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 74.3

OWNER

CEMENT

AMOUNT ORDERED 395 SK 60/40/8% gel 1/4# Flosent 50 SK Class A Neat

COMMON	50	@	16.25	812.50
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC		@		
Light Weight+	395	@	14.50	5727.50
		@		
Flosent	123.75	@	2.70	334.13
		@		
		@		
		@		
		@		
		@		
HANDLING	450	@	2.25	1012.50
MILEAGE				1237.50
			TOTA	9124.13

EQUIPMENT

PUMP TRUCK CEMENTER Kenny
372 HELPER Jose & Kenny
BULK TRUCK
457-251 DRIVER Lenny
BULK TRUCK
470-468 DRIVER Jose

REMARKS:

2nd Stage.

THANK You

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE
EXTRA FOOTAGE @
MILEAGE @
MANIFOLD @
@
@

TOTAL

CHARGE TO: Berexco Inc.
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

N/A

@
@
@
@
@

TOTAL 0

To Allied Cementing Co., 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 [redacted]
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME
SIGNATURE

Diamond Testing

General information Report

General Information

Company Name BEREXCO LLC

Contact	PETE WILSON		
Well Name	EJH #1-22	**Job Number**	
Unique Well ID	DST #1 LANSING 'B' 4,145'-4,158' TD 4,210'	**Representative**	ROGER D. FRIEDLY
Surface Location	SEC 22-30S-33W HASKELL COUNTY, KS	**Well Operator**	BEREXCO LLC
Well License Number		**Report Date**	2011/05/14
Field	VICTORY	**Prepared By**	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	STRADDLE DRILL-STEM TEST		
Formation	DST #1 4,145'-4,158' TD 4,210'		
Well Fluid Type	01 Oil	**Start Test Time**	15:00:00
		Final Test Time	06:45:00
Start Test Date	2011/05/13		
Final Test Date	2011/05/14		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: 246' CLEAN OIL 38.4 GRAVITY @ 60 deg (CIRCULATED OUT AFTER 60')
279' G&0CMW 6% GAS, 6% OIL, 47% WTR, 41% MUD
279' MW 99% WTR, 1% MUD - SCUM OF OIL
1,013' SW 100% WTR
1,817' TOTAL FLUID

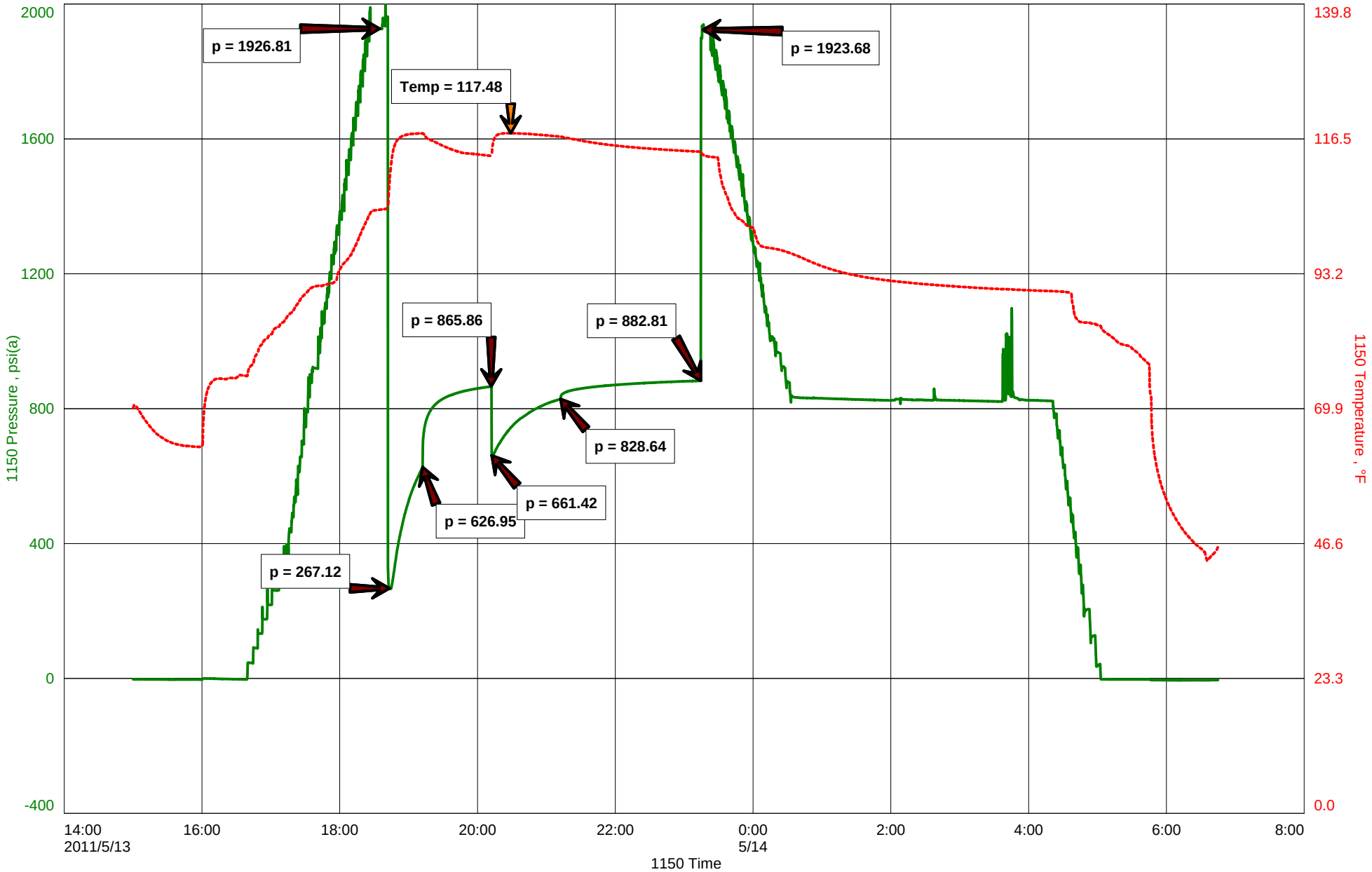
TOOL SAMPLE: 40% OIL, 59% WTR, 1% MUD

CHLORIDES: 81,000 Ppm
PH 6.5
RW .08 @ 60 deg

BEREXCO LLC
DST #1 LANSING 'B' 4,145'-4,158' TD 4,210'
Start Test Date: 2011/05/13
Final Test Date: 2011/05/14

EJH #1-22
Formation: DST #1 4,145'-4,158' TD 4,210'
Pool: VICTORY

EJH #1-22



DIAMOND TESTING

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

DRILL-STEM TEST TICKET

CLOCK ON: 15:00

CLOCK OFF: 06:45(5.12)

Company BEREXCO LLC — Lease & Well No. EJH #1-22

Contractor BEREDCO LLC — Charge to BEREXCO LLC

Elevation 2,942' KB — Formation LANSING 'B' — Effective Pay ____ Ft. — Ticket No. ____

Date 5.13.11 — Sec. 22 — Twp. 30 S — Range 33 W — County HASKELL — State KANSAS

Test Approved By EDWIN GRIEVES — Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 — Interval Tested from 4,145 ft. to 4,158 ft. — Total Depth 4,210 ft.

Packer Depth 4,140 ft. — Size 6 3/4 in. — Packer Depth 4,158 ft. — Size 6 3/4 in.

Packer Depth 4,145 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set 4,158

Top Recorder Depth (Inside) 4,126 ft. — Recorder Number 1150 — Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4,150 ft. — Recorder Number 13033 — Cap. 6,075 P.S.I.

Below Straddle Recorder Depth 4,207 ft. — Recorder Number 3851 — Cap. 5,700 P.S.I.

Mud Type CHEMICAL — Viscosity 48 — Drill Collar Length 641 ft. — I.D. 2 1/4 in.

Weight 8.95 — Water Loss 8.8 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in.

Chlorides 3,600 P.P.M. — Drill Pipe Length 3,470 ft. — I.D. 3 1/2 in.

Jars: Make BOWEN — Serial Number #3 — Test Tool Length 34 ft. — Tool Size 3 1/2-IF in.

Did Well Flow? NO — Reversed Out YES — Anchor Length 13 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. (TAIL PIPE 52') — Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG BLOW OFF BOTTOM OF BUCKET IN 20 SEC - GTS 11 MIN (SBBBB)

2nd Open: STRONG BLOW OFF BOTTOM OF BUCKET IN 1 1/2 MIN (SBBBB)

Recovered 246 ft. of CLEAN OIL 38.4 GRAVITY @ 60 deg (CIRCULATED OUT AFTER 60')

Recovered 279 ft. of G&OCMW 6% GAS, 6% OIL, 47% WTR, 41% MUD

Recovered 279 ft. of MW 99% % WTR, 1% MUD - SCUM OF OIL

Recovered 1,013 ft. of SW 100% WTR CHLORIDES 81,000 Ppm

Recovered 1,817 ft. of TOTAL FLUID PH 6.5

Remarks: RW .08@ 60 deg.

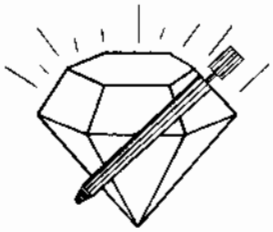
BELOW STRADDLE RECORDER 1,043 PSI @ END

TOOL SAMPLE: 40% OIL, 59% WTR, 1% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 6:42 P.M. A.M. P.M. — Time Started Off Bottom 11:42 P.M. A.M. P.M. — Maximum Temperature 117

Initial Hydrostatic Pressure			(A)	1,927 P.S.I.		
Initial Flow Period	Minutes 30	(B)	267 P.S.I.	to (C)	627 P.S.I.	
Initial Closed In Period	Minutes 60	(D)	866 P.S.I.			
Final Flow Period	Minutes 60	(E)	661 P.S.I.	to (F)	829 P.S.I.	
Final Closed In Period	Minutes 120	(G)	883 P.S.I.			
Final Hydrostatic Pressure			(H)	1,924 P.S.I.		



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

GAS VOLUME REPORT

Company BEREXCO LLC Lease & Well No. EJH #1-22

Date 5.13.11 Sec. 22 Twp. 30 S Rge. 33 W Location County HASKELL State KS

Drilling Contractor BEREDCO LLC Formation LANSING 'B' DST No. 1

Remarks: GAS TO SURFACE 11 MINUTE - BURNED NICELY

INITIAL FLOW

IW

Time O'Clock	Orifice Size	Gauge	CF/D
15	.50 in.	13 in.	22.8 MCF
20	" in.	15 in.	24.5 MCF
25	" in.	10 in.	19.9 MCF
30	" in.	8 in.	17.2 MCF
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW

IW

Time O'Clock	Orifice Size	Gauge	CF/D
5	.25 in.	15 in.	6.55 MCF
10	" in.	8 in.	4.76 MCF
15	.125 in.	19 in.	2.30 MCF
20	" in.	23 in.	2.5 MCF
25	" in.	27 in.	2.7 MCF
*30	" in.	30 in.	2.89 MCF
35	" in.	35 in.	3.10 MCF
40	" in.	1 PSI in.	2.76 MCF
45	" in.	1.5 PSI in.	3.39 MCF
50	" in.	2 PSI in.	3.92 MCF
55	"	2.5 PSI	4.42 MCF
60	"	2.5 PSI	4.42 MCF

* SAMPLE TAKES

Diamond Testing

General information Report

General Information

Company Name BEREXCO LLC

Contact	PETE WILSON		
Well Name	EJH #1-22	**Job Number**	
Unique Well ID	DST #2 K.C. 'B' 4,679' - 4,690'	**Representative**	ROGER D. FRIEDLY
Surface Location	SEC 22-30S-33W HASKELL COUNTY, KS	**Well Operator**	BEREXCO LLC
Well License Number		**Report Date**	2011/05/16
Field	VICTORY	**Prepared By**	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #2 K.C. 4,679' - 4,690'		
Well Fluid Type	01 Oil	**Start Test Time**	23:55:00
		Final Test Time	11:38:00
Start Test Date	2011/05/15		
Final Test Date	2011/05/16		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: GAS TO SURFACE ON FINAL SHUT-IN
136' G&OCWM 6% GAS, 12% OIL, 14% WTR, 68% MUD
46' SLTOCMW 2% OIL, 73% WTR, 25% MUD
276' SW 100% WTR - OIL SPECKS
458' TOTAL FLUID

SOME FREE OIL ON TOP DRILL COLLAR - NOT DRAINING

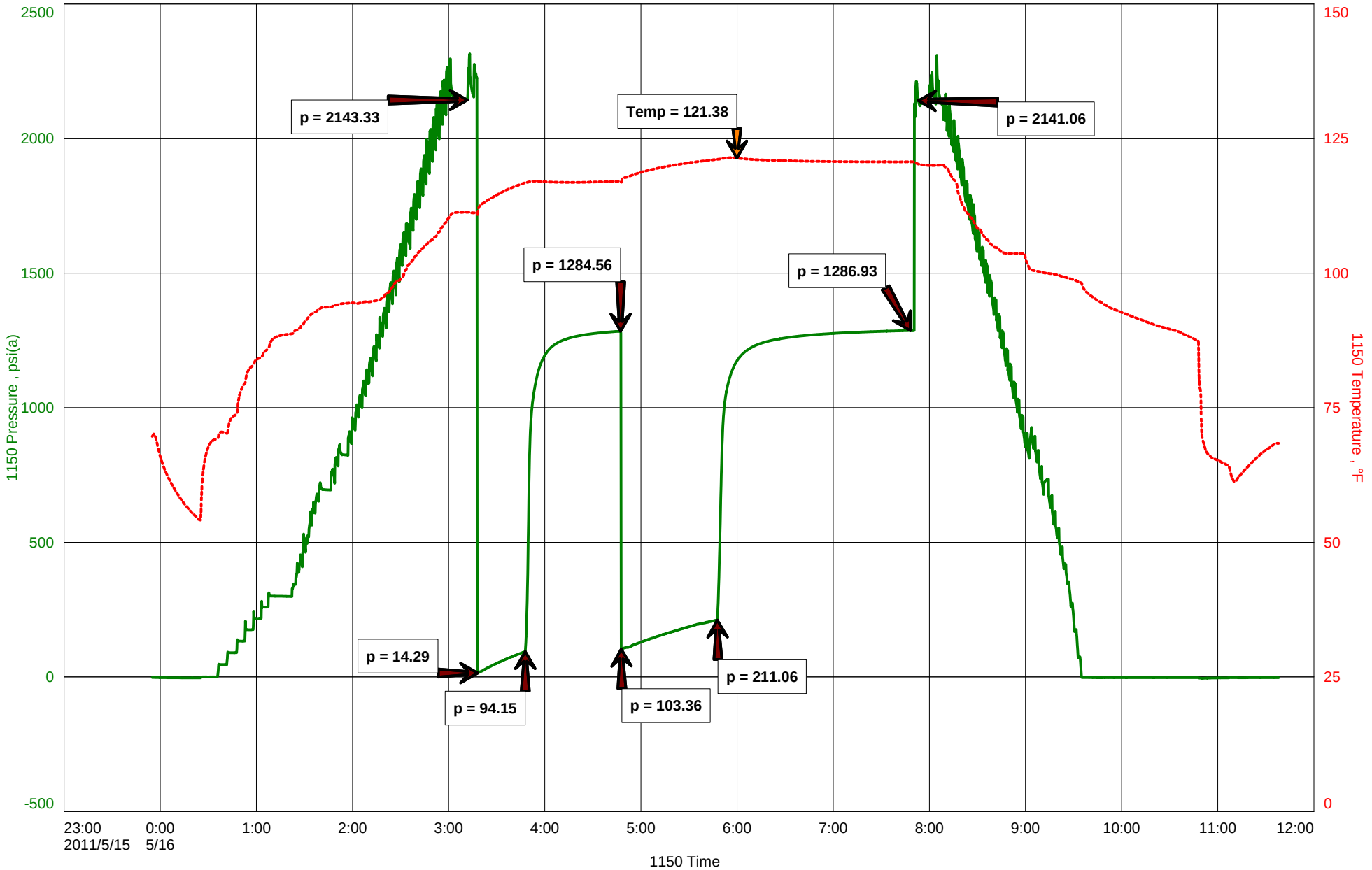
CHLORIDES: 100,000 Ppm
PH 6.5
RW .06 @ 80 deg.

TOOL SAMPLE: 100% SW FEW OIL SPECKS

BEREXCO LLC
DST #2 K.C. 'B' 4,679' - 4,690'
Start Test Date: 2011/05/15
Final Test Date: 2011/05/16

EJH #1-22
Formation: DST #2 K.C. 4,679' - 4,690'
Pool: VICTORY

EJH #1-22



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

DRILL-STEM TEST TICKET

CLOCK ON: 23:55(5.15)

CLOCK OFF: 11:38(5.16)

Company BEREXCO LLC — Lease & Well No. EJH #1-22

Contractor BEREDCO LLC — Charge to BEREXCO LLC

Elevation 2,942' KB — Formation KANSAS CITY 'B' — Effective Pay ____ Ft. — Ticket No. ____

Date 5.16.11 — Sec. 22 — Twp. 30 S — Range 33 W — County HASKELL — State KANSAS

Test Approved By EDWIN GRIEVES — Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 — Interval Tested from 4,679 ft. to 4,690 ft. — Total Depth 4,690 ft.

Packer Depth 4,674 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Packer Depth 4,679 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4,660 ft. — Recorder Number 1150 — Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4,687 ft. — Recorder Number 3851 — Cap. 5700 P.S.I.

Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 44 — Drill Collar Length 641 ft. — I.D. 2 1/4 in.

Weight 9.0 — Water Loss 8.4 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in.

Chlorides 2,500 P.P.M. — Drill Pipe Length 4,004 ft. — I.D. 3 1/2 in.

Jars: Make BOWEN — Serial Number #3 — Test Tool Length 34 ft. — Tool Size 3 1/2-IF in.

Did Well Flow? NO — Reversed Out NO — Anchor Length 11 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: FAIR 1" BLOW INCREASING TO BOTTOM OF BUCKET IN 2 MIN (F2"BB)

2nd Open: WEAK 1/4" BLOW INCREASING TO BOTTOM OF BUCKET IN 11 MIN GTS ON FINAL SHUT-IN (G9"BB)

Recovered 136 ft. of G&OCWM 6% GAS, 12% OIL, 14% WTR, 68% MUD

Recovered 46 ft. of SLTOCMW 2% OIL, 73% WTR, 25% MUD

Recovered 276 ft. of SW 100% WTR - OIL SPECKED

Recovered 458 ft. of TOTAL FLUID — CHLORIDES 100,000 Ppm

Recovered ____ ft. of — PH 6.5

Remarks: — RW .08 @ 80 deg

SOME FREE OIL ON TOP DRILLCOLLAR - NOT DRAINING

TOOL SAMPLE: 100% SW - OIL SPECKED

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 3:18 A.M. A.M. P.M. — Time Started Off Bottom 7:48 A.M. A.M. P.M. — Maximum Temperature 121

Initial Hydrostatic Pressure ..... (A) 2,143 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 14 P.S.I. to (C) 94 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1,285 P.S.I.

Final Flow Period ..... Minutes 60 (E) 103 P.S.I. to (F) 211 P.S.I.

Final Closed In Period ..... Minutes 120 (G) 1,287 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,141 P.S.I.

Diamond Testing

General information Report

General Information

Company Name BEREXCO LLC

Contact	PETE WILSON		
Well Name	EJH #1-22	**Job Number**	
Unique Well ID	DST #3 CHEROKEE LIME 5,025' - 5,060'	**Representative**	ROGER D. FRIEDLY
Surface Location	SEC 22-30S-33W HASKELL COUNTY, KS	**Well Operator**	BEREXCO LLC
Well License Number		**Report Date**	2011/05/18
Field	VICTORY	**Prepared By**	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #3 CHEROKEE LIME 5,025' - 5,060'		
Well Fluid Type	02 Gas	**Start Test Time**	05:45:00
		Final Test Time	17:02:00
Start Test Date	2011/05/18		
Final Test Date	2011/05/18		
Gauge Name	11550		
Gauge Serial Number			

Test Results

RECOVERED: GAS TO SURFACE 18 MIN. INITIAL FLOW
31' MW 74% WTR, 26% MUD
31' TOTAL FLUID

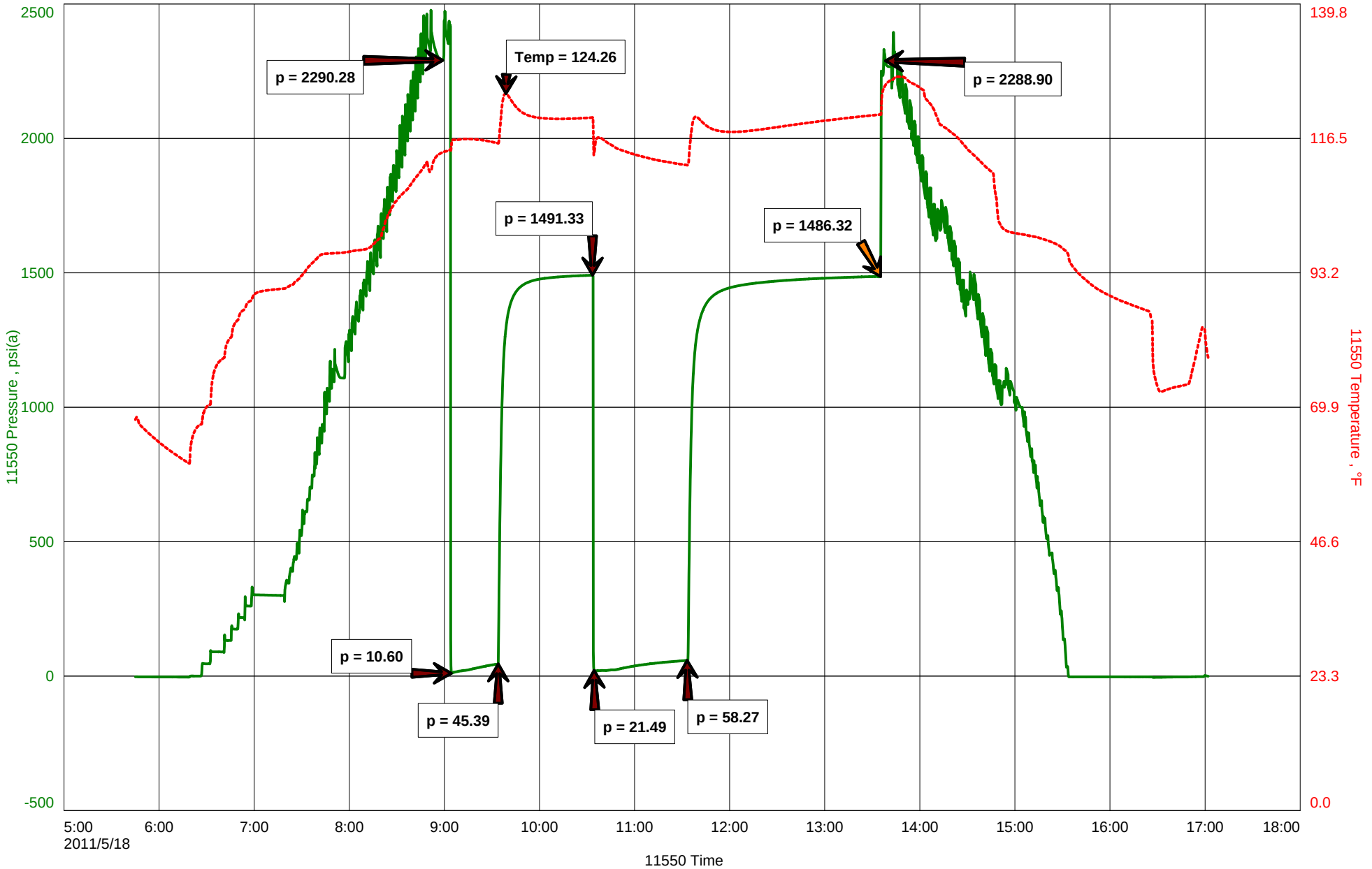
TOOL SAMPLE: 2% OIL, 32% WTR, 66% MUD

CHLORIDES: 83,000 Ppm
PH 7.0
RW .07 @ 77 deg

BEREXCO LLC
DST #3 CHEROKEE LIME 5,025' - 5,060'
Start Test Date: 2011/05/18
Final Test Date: 2011/05/18

EJH #1-22
Formation: DST #3 CHEROKEE LIME 5,025' - 5,060'
Pool: VICTORY

EJH #1-22



DIAMOND TESTING

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

DRILL-STEM TEST TICKET

CLOCK ON: 05:45

CLOCK OFF: 17:02

Company BEREXCO LLC — Lease & Well No. EJH #1-22

Contractor BEREDCO LLC — Charge to BEREXCO LLC

Elevation 2,942' KB — Formation CHEROKEE LIME — Effective Pay ____ Ft. — Ticket No. ____

Date 5.18.11 — Sec. 22 — Twp. 30 S — Range 33 W — County HASKELL — State KANSAS

Test Approved By EDWIN GRIEVES — Diamond Representative ROGER D. FRIEDLY

Formation Test No. 3 — Interval Tested from 5,025 ft. to 5,060 ft. — Total Depth 5,060 ft.

Packer Depth 5,020 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Packer Depth 5,025 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 5,006 ft. — Recorder Number 1150 — Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 5,057 ft. — Recorder Number 3851 — Cap. 5700 P.S.I.

Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 52 — Drill Collar Length 641 ft. — I.D. 2 1/4 in.

Weight 9.0 — Water Loss 8.8 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in.

Chlorides 3,400 P.P.M. — Drill Pipe Length 4,350 ft. — I.D. 3 1/2 in.

Jars: Make BOWEN — Serial Number #3 — Test Tool Length 34 ft. — Tool Size 3 1/2-IF in.

Did Well Flow? NO — Reversed Out NO — Anchor Length 35 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: GOOD 2" BLOW INCREASING TO BOTTOM OF BUCKET IN 1 MIN 20 SEC. - GTS 18 MIN (NOBB)

2nd Open: STRONG BLOW OFF BOTTOM OF BUCKETN IMMED. (NOBB)

Recovered 31 ft. of MW 74% WTR, 26% MUD

Recovered 31 ft. of TOTAL FLUID

Recovered ____ ft. of CHLORIDES 83,000 Ppm

Recovered ____ ft. of PH 7.0

Recovered ____ ft. of RW .07 @ 77 deg

Remarks: ____

TOOL SAMPLE: 2% OIL, 32% WTR, 66% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 9:04 P.M. A.M. P.M. — Time Started Off Bottom 1:34 P.M. A.M. P.M. — Maximum Temperature 124

Initial Hydrostatic Pressure ..... (A) 2,290 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 11 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1,491 P.S.I.

Final Flow Period ..... Minutes 60 (E) 21 P.S.I. to (F) 58 P.S.I.

Final Closed In Period ..... Minutes 120 (G) 1,486 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,289 P.S.I.

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

GAS VOLUME REPORT

Company BEREXCO LLC Lease & Well No. EJH #1-22

Date 5.18.11 Sec. 22 Twp. 30 S Rge. 33 W Location County HASKELL State KS

Drilling Contractor BEREDCO LLC Formation CHEROKEE LIME DST No. 1

Remarks: GAS TO SURFACE 18 MINUTE - BURNED NICELY

INITIAL FLOW

Time O'Clock	Orifice Size	PSI Gauge	CF/D
20	.25 in.	5.5 in.	21.8 MCF
25	" in.	11 in.	32.4 MCF
30	" in.	14 in.	37.6MCF
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW

Time O'Clock	Orifice Size	PSI Gauge	CF/D
5	.50 in.	3.5 in.	64.0 MCF
10	" in.	3.5 in.	64.0 MCF
15	" in.	3.0 in.	59.20 MCF
20	.25 in.	9 in.	29.0 MCF
25	" in.	13 in.	35.9 MCF
*30	" in.	16 in.	40.9 MCF
35	" in.	19 in.	45.5 MCF
40	" in.	21 in.	48.7 MCF
45	" in.	23 in.	51.8 MCF
50	" in.	24 in.	53.2 MCF
55	"	25	54.7 MCF
60	"	26 PSI	56.0 MCF

* SAMPLE TAKES

Diamond Testing

General information Report

General Information

Company Name BEREXCO LLC

Contact	PETE WILSON		
Well Name	EJH #1-22	**Job Number**	
Unique Well ID	DST #4 BASAL ATOKA 5,222' - 5,240'	**Representative**	ROGER D. FRIEDLY
Surface Location	SEC 22-30S-33W HASKELL COUNTY, KS	**Well Operator**	BEREXCO LLC
Well License Number		**Report Date**	2011/05/20
Field	VICTORY	**Prepared By**	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #4 BASAL ATOKA 5,222' - 5,240'		
Well Fluid Type	01 Oil	**Start Test Time**	20:45:00
		Final Test Time	09:39:00
Start Test Date	2011/05/19		
Final Test Date	2011/05/20		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: 1,845' FAINT GAS ODOR IN PIPE
102' DM 100% MUD - TRACE OF WATER
92' GCMW 2% GAS, 84% WTR, 14% MUD
368' SW 100% WATER
562' TOTAL FLUID

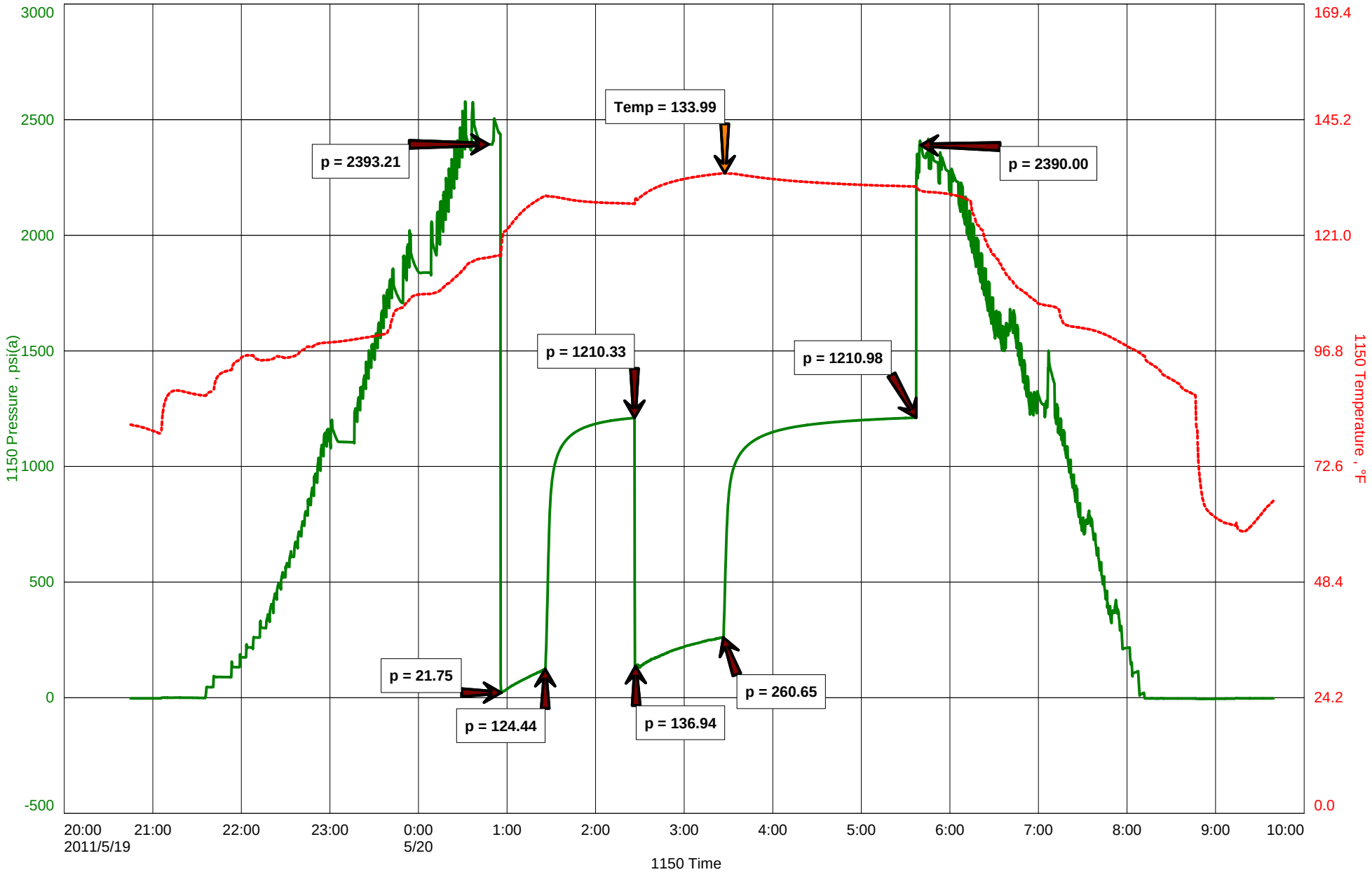
TOOL SAMPLE: 100% SW

CHLORIDES: 118,000 Ppm
PH 6.5
RW .06 @ 67 deg.

BEREXCO LLC
DST #4 BASAL ATOKA 5,222' - 5,240'
Start Test Date: 2011/05/19
Final Test Date: 2011/05/20

EJH #1-22
Formation: DST #4 BASAL ATOKA 5,222' - 5,240'
Pool: VICTORY

EJH #1-22



DIAMOND TESTING

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

DRILL-STEM TEST TICKET

CLOCK ON: 20:45(5.19)

CLOCK OFF: 09:39(5.20)

Company BEREXCO LLC — Lease & Well No. EJH #1-22

Contractor BEREDCO LLC — Charge to BEREXCO LLC

Elevation 2,942' KB — Formation BASAL ATOKA — Effective Pay ____ Ft. — Ticket No. ____

Date 5.20.11 — Sec. 22 — Twp. 30 S — Range 33 W — County HASKELL — State KANSAS

Test Approved By EDWIN GRIEVES — Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 — Interval Tested from 5,222 ft. to 5,240 ft. — Total Depth 5,240 ft.

Packer Depth 5,217 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Packer Depth 5,222 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 5,203 ft. — Recorder Number 1150 — Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 5,237 ft. — Recorder Number 3851 — Cap. 5700 P.S.I.

Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 52 — Drill Collar Length 641 ft. — I.D. 2 1/4 in.

Weight 9.0 — Water Loss 8.0 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in.

Chlorides 2,400 P.P.M. — Drill Pipe Length 4,547 ft. — I.D. 3 1/2 in.

Jars: Make BOWEN — Serial Number #3 — Test Tool Length 34 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: GOOD 2" BLOW INCREASING TO BOTTOM OF BUCKET IN 2 MIN (W1"BB)

2nd Open: GOOD 1" BLOW INCREASING TO BOTTOM OF BUCKETIN 3 MIN (NOBB)

Recovered 1,845 ft. of FAINT GAS ODOR IN PIPE

Recovered 102 ft. of DM 100% MUD - TRACE OF WTR

Recovered 92 ft. of GCMW 2% GAS, 84% WTR, 14% MUD

Recovered 368 ft. of SW 100% WTR — CHLORIDES 118,000 Ppm

Recovered 562 ft. of TOTAL FLUID — PH 6.5

Remarks: RW .06 @ 67 deg.

TOOL SAMPLE: 100% SW

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 12:56 A.M. A.M. P.M. — Time Started Off Bottom 5:26 A.M. A.M. P.M. — Maximum Temperature 134

Initial Hydrostatic Pressure ..... (A) 2,393 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 22 P.S.I. to (C) 124 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1,210 P.S.I.

Final Flow Period ..... Minutes 60 (E) 137 P.S.I. to (F) 261 P.S.I.

Final Closed In Period ..... Minutes 120 (G) 1,211 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,390 P.S.I.

Diamond Testing

General information Report

General Information

Company Name BEREXCO LLC

Contact	PETE WILSON		
Well Name	EJH #1-22	**Job Number**	
Unique Well ID	DST #5 MORROW 5,241' -5,259 TD 5,286'	**Representative**	ROGER D. FRIEDLY
Surface Location	SEC 22-30S-33W HASKELL COUNTY, KS	**Well Operator**	BEREXCO LLC
Well License Number		**Report Date**	2011/05/21
Field	VICTORY	**Prepared By**	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	STRADDLE DRILL-STEM TEST		
Formation	DST #5 MORROW 5,241' - 5,259' TD 5,286		
Well Fluid Type	01 Oil	**Start Test Time**	01:15:00
		Final Test Time	17:50:00
Start Test Date	2011/05/21		
Final Test Date	2011/05/21		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: 796' CLEAN OIL - UNLOADED 36 GRAVITY @ 60 deg.
1,923' CLEAN OIL CIRCULATEDN INTO TRUCK (DRILL PIPE)
549' CLEAN OIL CIRCULATED INTO TRUCK (DRILL COLLARS
92' SLTWTR&MCOG 55% GAS, 23% OIL, 4% WTR, 18% MUD (BELOW CIRCULATING SUB)
3,360' TOTAL FLUID

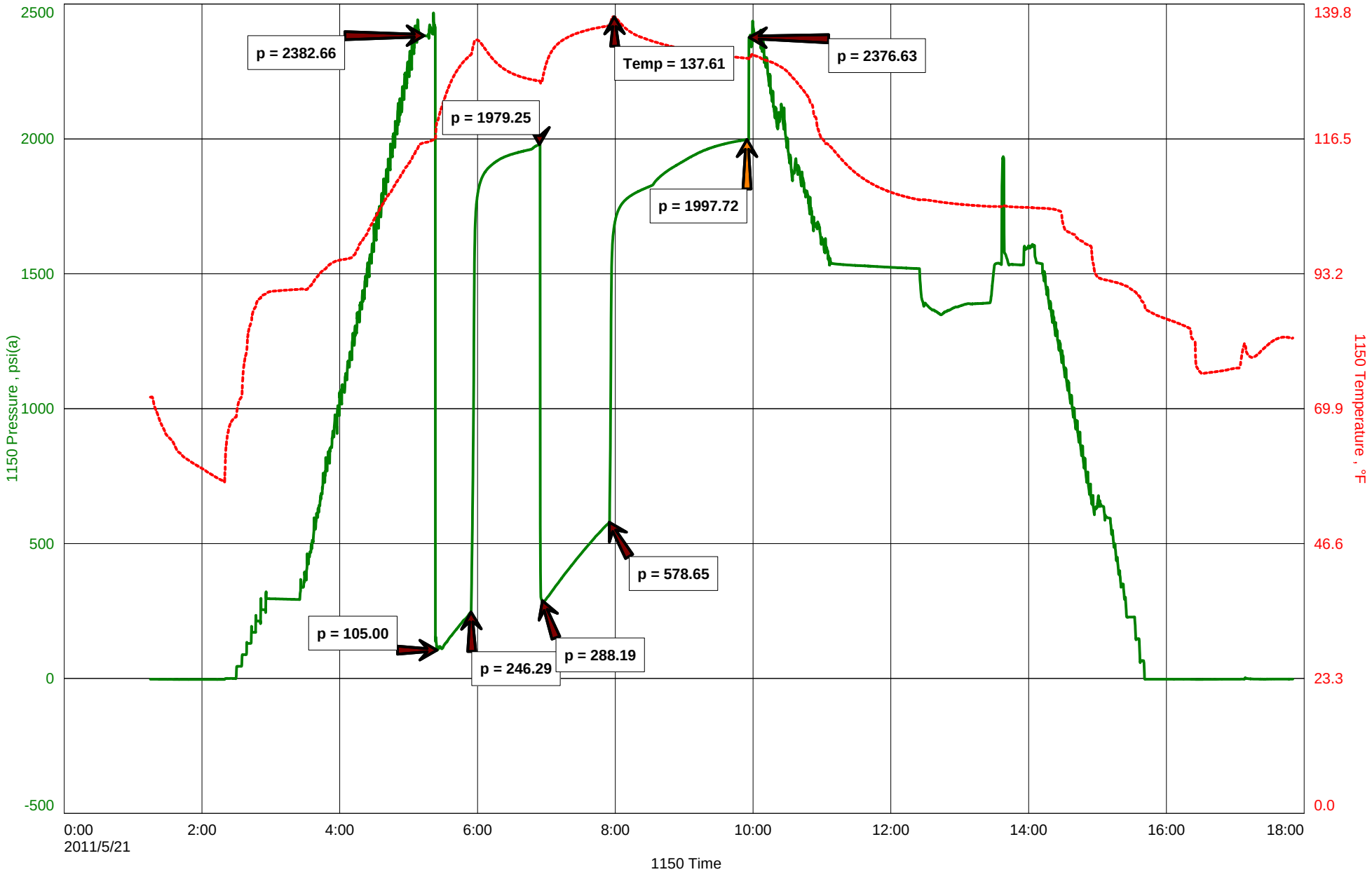
TOOL SAMPLE: BLEW OUT GASSY OIL

CHLORIDES: 5,000 Ppm
PH: 9.5
RW: .84 @ 76 deg.

BEREXCO LLC
DST #5 MORROW 5,241' -5,259 TD 5,286'
Start Test Date: 2011/05/21
Final Test Date: 2011/05/21

EJH #1-22
Formation: DST #5 MORROW 5,241' - 5,259' TD 5,286
Pool: VICTORY

EJH #1-22



DIAMOND TESTING

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

DRILL-STEM TEST TICKET

CLOCK ON: 01:15

CLOCK OFF: 17:50

Company BEREXCO LLC — Lease & Well No. EJH #1-22

Contractor BEREDCO LLC — Charge to BEREXCO LLC

Elevation 2,942' KB — Formation MORROW — Effective Pay ____ Ft. — Ticket No. ____

Date 5.21.11 — Sec. 22 — Twp. 30 S — Range 33 W — County HASKELL — State KANSAS

Test Approved By EDWIN GRIEVES — Diamond Representative ROGER D. FRIEDLY

Formation Test No. 5 — Interval Tested from 5,241 ft. to 5,259 ft. — Total Depth 5,286 ft.

Packer Depth 5,236 ft. — Size 6 3/4 in. — Packer Depth 5,259 ft. — Size 6 3/4 in.

Packer Depth 5,241 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 5,222 ft. — Recorder Number 1150 — Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 5,252 ft. — Recorder Number 13033 — Cap. 6,075 P.S.I.

Below Straddle Recorder Depth 5,283 ft. — Recorder Number 3,851 — Cap. 5700 P.S.I.

Mud Type CHEMICAL — Viscosity 75 — Drill Collar Length 641 ft. — I.D. 2 1/4 in.

Weight 9.1 — Water Loss 8.8 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in.

Chlorides 2,000 P.P.M. — Drill Pipe Length 4,600 ft. — I.D. 3 1/2 in.

Jars: Make BOWEN — Serial Number #3 — Test Tool Length 34 ft. — Tool Size 3 1/2-IF in.

Did Well Flow? NO — Reversed Out YES — 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. (TAILPIPE 27') — Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG BLOW OFF BOTTOM OF BUCKET IN 1/2 MIN - GST 8 MIN (SBBB)

2nd Open: STRONG BLOW OFF BOTTOM OF BUCKET IMMED. (SBBB)

Recovered 796 ft. of CLEAN OIL - UNLOADED 36 GRAVITY @ 60 deg

Recovered 1,923 ft. of CLEAN OIL - CIRCULATED TO TRUCK (DRILL PIPE)

Recovered 549 ft. of CLEAN OIL - CIRCULATED TO TRUCK (DRILL COLLARS)

Recovered ____ ft. of LAST SAMPLE INTO TRUCK 6% GAS, 14% OIL, 80% MUD

Recovered 92 ft. of BELOW CIR SUB 55% GAS, 23% OILM 4% WTR, 18% MUD

Remarks: 3,360' TOTAL FLUID CHLORIDES, 5,000 Ppm : PH 9.5 : RW .84 @ 76 deg

BELOW STRADDLE RECORDER 2,074 psi @ END

TOOL SAMPLE: BLEW OUT GASSY OIL

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 5:24 A.M. A.M. P.M. — Time Started Off Bottom 9:54 A.M. A.M. P.M. — Maximum Temperature 138

Initial Hydrostatic Pressure ..... (A) 2,383 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 105 P.S.I. to (C) 246 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1,979 P.S.I.

Final Flow Period ..... Minutes 60 (E) 288 P.S.I. to (F) 579 P.S.I.

Final Closed In Period ..... Minutes 120 (G) 1,998 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,377 P.S.I.

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

GAS VOLUME REPORT

Company BEREXCO LLC Lease & Well No. EJH #1-22

Date 5.21.11 Sec. 22 Twp. 30 S Rge. 33 W Location County HASKELL State KS

Drilling Contractor BEREDCO LLC Formation MORROW DST No. 5

Remarks: GAS TO SURFACE 8 MINUTE - BURNED NICELY
CONDENSATE (DRIP GAS) ON SECOND FLOW - BURNED NICELY

INITIAL FLOW

Time O'Clock	Orifice Size	PSI Gauge	CF/D
10	.50 in.	4.5 in.	73.6 MCF
15	" in.	5.0 in.	78.1 MCF
20	" in.	4.5 in.	68.8 MCF
25	" in.	2.5 in.	53.4 MCF
30	" in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW

Time O'Clock	Orifice Size	Gauge	CF/D
5	..25 in.	23 IW in.	8 MCF
10	.125 in.	27 IW in.	2.7 MCF
15	" in.	1 PSI in.	2.76 MCF
20	" in.	1.5 PSI in.	3.39 MCF
25	" in.	2.0 PSI in.	3.92 MCF
30	" in.	2.5 PSI in.	4.42 MCF
35	" in.	3.0 PSI in.	4.84 MCF
40	" in.	3.5 PSI in.	5.26 MCF
45	" in.	4.0 PSI in.	5.64 MCF
50	" in.	4.0 PSI in.	5.64 MCF
55	"	4.0 PSI	5.64 MCF
60	"	4.0 PSI	5.64 MCF

* NO SAMPLE TAKES - INSUFFICIENT PSI

Diamond Testing

General information Report

General Information

Company Name BEREXCO LLC

Contact	PETE WILSON		
Well Name	EJH #1-22	**Job Number**	
Unique Well ID	DST #6 MORROW 5,320' - 5,357'	**Representative**	ROGER D. FRIEDLY
Surface Location	SEC 22-30S-33W HASKELL COUNTY KS	**Well Operator**	BEREXCO LLC
Well License Number		**Report Date**	2011/05/23
Field	VICTORY	**Prepared By**	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #6 MORROW 5,320' - 5,357'		
Well Fluid Type	01 Oil	**Start Test Time**	18:15:00
		Final Test Time	06:26:00
Start Test Date	2011/05/22		
Final Test Date	2011/05/23		
Gauge Name	1150		
Gauge Serial Number			

Test Results

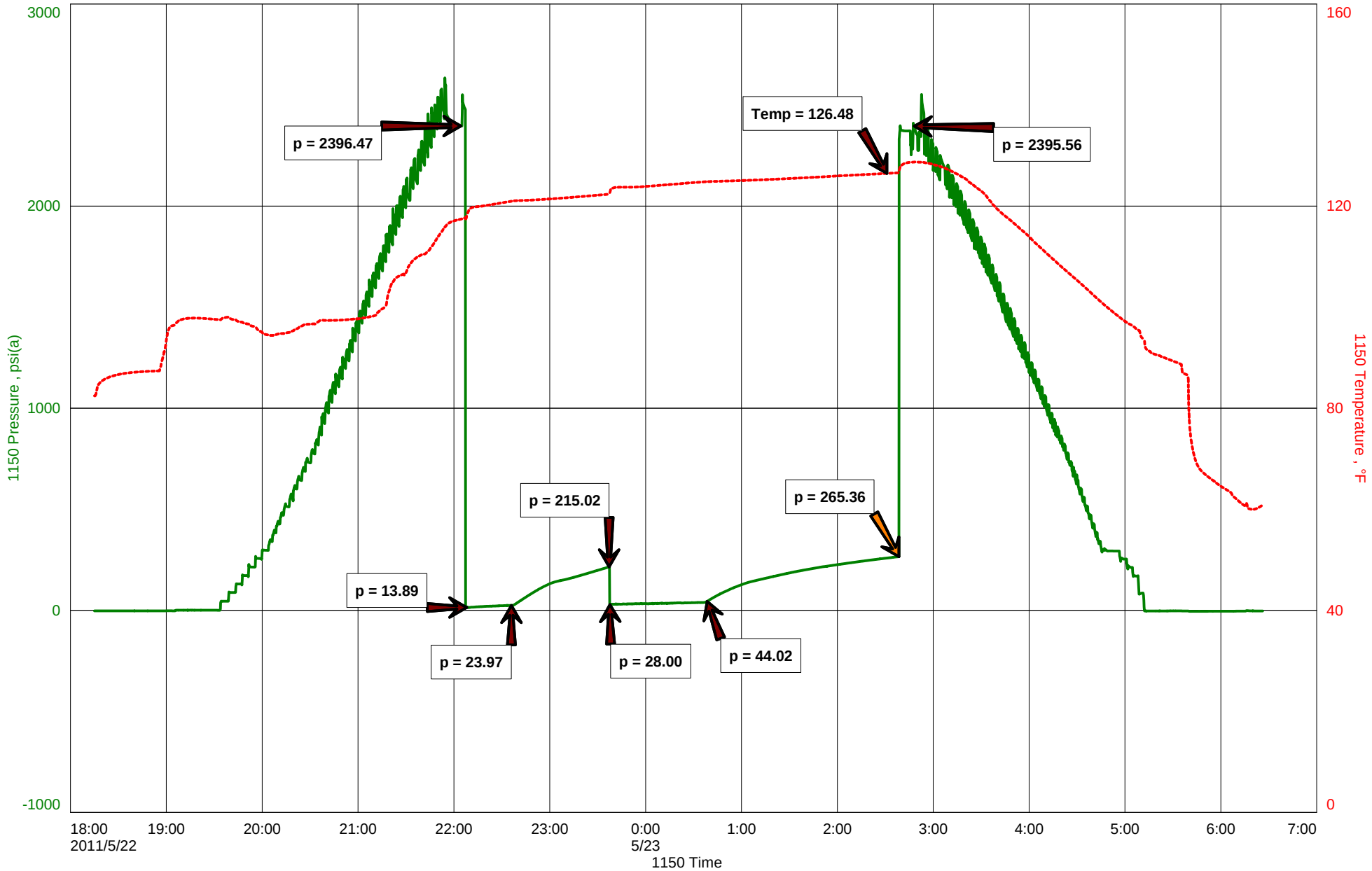
RECOVERED: 150' FAINT GAS IN PIPE
45' SLTG&OCM 2% GAS, 2% OIL, 96% MUD
45' TOTAL FLUID

TOOL SAMPLE: 30% GAS, 8% OIL, 4% WTR, 58% MUD

BEREXCO LLC
DST #6 MORROW 5,320' - 5,357'
Start Test Date: 2011/05/22
Final Test Date: 2011/05/23

EJH #1-22
Formation: DST #6 MORROW 5,320' - 5,357'
Pool: VICTORY

EJH #1-22



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

DRILL-STEM TEST TICKET

CLOCK ON: 18:15 (5.22)

CLOCK OFF: 06:26(5.23)

Company BEREXCO LLC — Lease & Well No. EJH #1-22

Contractor BEREDCO LLC — Charge to BEREXCO LLC

Elevation 2,942' KB — Formation MORROW — Effective Pay ____ Ft. — Ticket No. ____

Date 5.22.11 — Sec. 22 — Twp. 30 S — Range 33 W — County HASKELL — State KANSAS

Test Approved By EDWIN GRIEVES — Diamond Representative ROGER D. FRIEDLY

Formation Test No. 6 — Interval Tested from 5,320 ft. to 5,357 ft. — Total Depth 5,357 ft.

Packer Depth 5,315 ft. — Size 6 3/4 in. — Packer Depth 5,259 ft. — Size 6 3/4 in.

Packer Depth 5,320 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 5,301 ft. — Recorder Number 1150 — Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 5,354 ft. — Recorder Number 3851 — Cap. 5700 P.S.I.

Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type CHEMICAL — Viscosity 50 — Drill Collar Length 641 ft. — I.D. 2 1/4 in.

Weight 8.9 — Water Loss 7.6 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in.

Chlorides 4,000 P.P.M. — Drill Pipe Length 4,645 ft. — I.D. 3 1/2 in.

Jars: Make BOWEN — Serial Number #3 — Test Tool Length 34 ft. — Tool Size 3 1/2-IF in.

Did Well Flow? NO — Reversed Out NO — Anchor Length 37 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 1/4" BLOW INCREASING TO 4" - SOME SURGING ACTION (NOBB)

2nd Open: WEAK SURFACE BLOW INCREASING TO 7 1/2" - SOME SURGING ACTION (NOBB)

Recovered 150 ft. of FAINT GAS IN PIPE

Recovered 45 ft. of SLTGCOM 2% GAS, 2% OIL, 96% MUD

Recovered 45 ft. of TOTAL FLUDI

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

TOOL SAMPLE: 30% GAS, 8% OIL, 4% WTR, 58% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 10:07 P.M. A.M. P.M. — Time Started Off Bottom 2:37 A.M. A.M. P.M. — Maximum Temperature 126

Initial Hydrostatic Pressure ..... (A) 2,396 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 14 P.S.I. to (C) 24 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 215 P.S.I.

Final Flow Period ..... Minutes 60 (E) 28 P.S.I. to (F) 44 P.S.I.

Final Closed In Period ..... Minutes 120 (G) 265 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,396 P.S.I.

Diamond Testing

General information Report

General Information

Company Name BEREXCO LLC

Contact	PETE WILSON		
Well Name	EJH #1-22	**Job Number**	
Unique Well ID	DST #7 BASAL CHESTER 5,502' - 5,520'	**Representative**	ROGER D, FRIEDLY
Surface Location	SEC 22-30S-33W HASKELL COUNTY, KS	**Well Operator**	BEREXCO LLC
Well License Number		**Report Date**	2011/05/25
Field	VICTORY	**Prepared By**	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #7 BASAL CHESTER 5,502' - 5,520'		
Well Fluid Type	01 Oil	**Start Test Time**	21:05:00
		Final Test Time	
Start Test Date	2011/05/24		
Final Test Date	2011/05/25		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: 55' WM 40% WTR, 60% MUD - SCUM OF OIL
93' MW 80% WTR, 20% MUD - SCUM OF OIL
1,106' SW 100% WTR
1,254' TOTAL FLUID

TOOL SAMPLE: 100% WTR - SCUM OF OIL

CHLORIDES 100,000 Ppm
PH 6.5
RW .07 @ 67

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

DRILL-STEM TEST TICKET

CLOCK ON: 21:05 (5.24)

CLOCK OFF:.00.00 (5.25)

Company BEREXCO LLC — Lease & Well No. EJH #1-22

Contractor BEREDCO LLC — Charge to BEREXCO LLC

Elevation 2,942' KB — Formation BASAL CHESTER — Effective Pay _____ Ft. — Ticket No. _____

Date 5.25.11 — Sec. 22 — Twp. 30 S — Range 33 W — County HASKELL — State KANSAS

Test Approved By EDWIN GRIEVES — Diamond Representative ROGER D. FRIEDLY

Formation Test No. 7 — Interval Tested from 5,502 ft. to 5,520 ft. — Total Depth 5,520 ft.

Packer Depth 5,497 ft. — Size 6 3/4 in. — Packer Depth 5,259 ft. — Size 6 3/4 in.

Packer Depth 5,502 ft. — Size 6 3/4 in. — Packer Depth _____ ft. — Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5,483 ft. — Recorder Number 1150 — Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 5,517 ft. — Recorder Number 3851 — Cap. 5700 P.S.I.

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

Mud Type CHEMICAL — Viscosity 52 — Drill Collar Length 641 ft. — I.D. 2 1/4 in.

Weight 8.9 — Water Loss 7.4 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in.

Chlorides 3,400 P.P.M. — Drill Pipe Length 4,827 ft. — I.D. 3 1/2 in.

Jars: Make BOWEN — Serial Number #3 — Test Tool Length 34 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: GOOD 2" BLOW INCREASING TO BOTTOM OF BUCKET IN 2 MIN (G6"BB)

2nd Open: WEAK SURFACE BLOW INCREASING TO BOTTOM OF BUCKET IN 12 MIN (GBB)

Recovered 55 ft. of WM 40% WTR, 60% MUD - SCUM OF OIL

Recovered 93 ft. of MW 80% WTR, 20% MUD - SCUM OF OIL

Recovered 1,106 ft. of SW 100% WTR

Recovered 1,254 ft. of TOTAL FLUID — CHLORIDES 100,000 Ppm

Recovered _____ ft. of — PH 6.5

Remarks: — RW .07 @ 67 deg

TOOL SAMPLE: 100% SW - SCUM OF OIL

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 1:50 A.M. A.M. P.M. — Time Started Off Bottom 6:20 A.M. A.M. P.M. — Maximum Temperature -

Initial Hydrostatic Pressure ..... (A) 2,600 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 295 P.S.I. to (C) 499 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 643 P.S.I.

Final Flow Period ..... Minutes 60 (E) 571 P.S.I. to (F) 629 P.S.I.

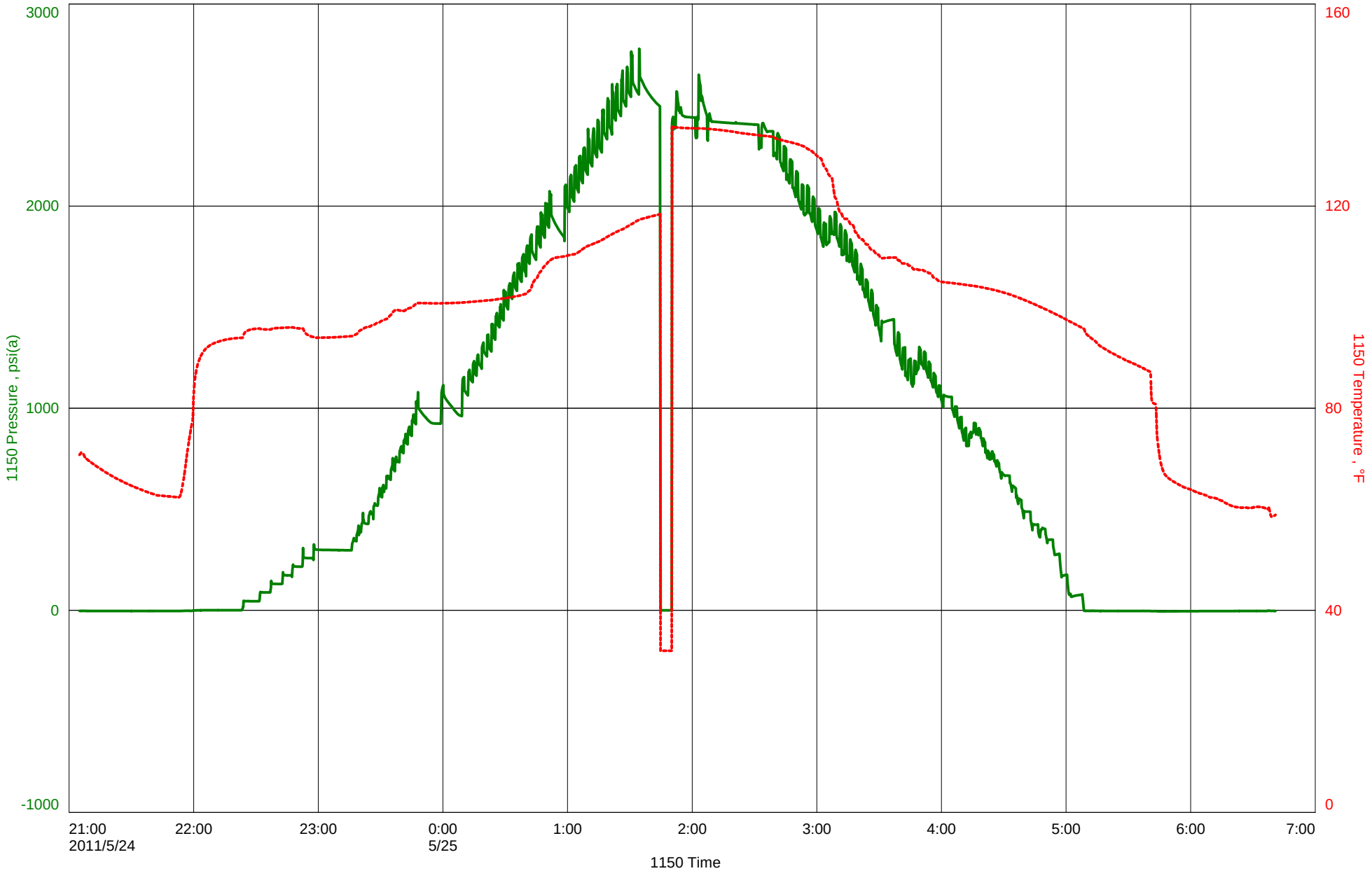
Final Closed In Period ..... Minutes 120 (G) 658 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,571 P.S.I.

BEREXCO LLC
DST #7 BASAL CHESTER 5,502' - 5,520'
Start Test Date: 2011/05/24
Final Test Date: 2011/05/25

EJH #1-22
Formation: DST #7 BASAL CHESTER 5,502' - 5,520'
Pool: VICTORY

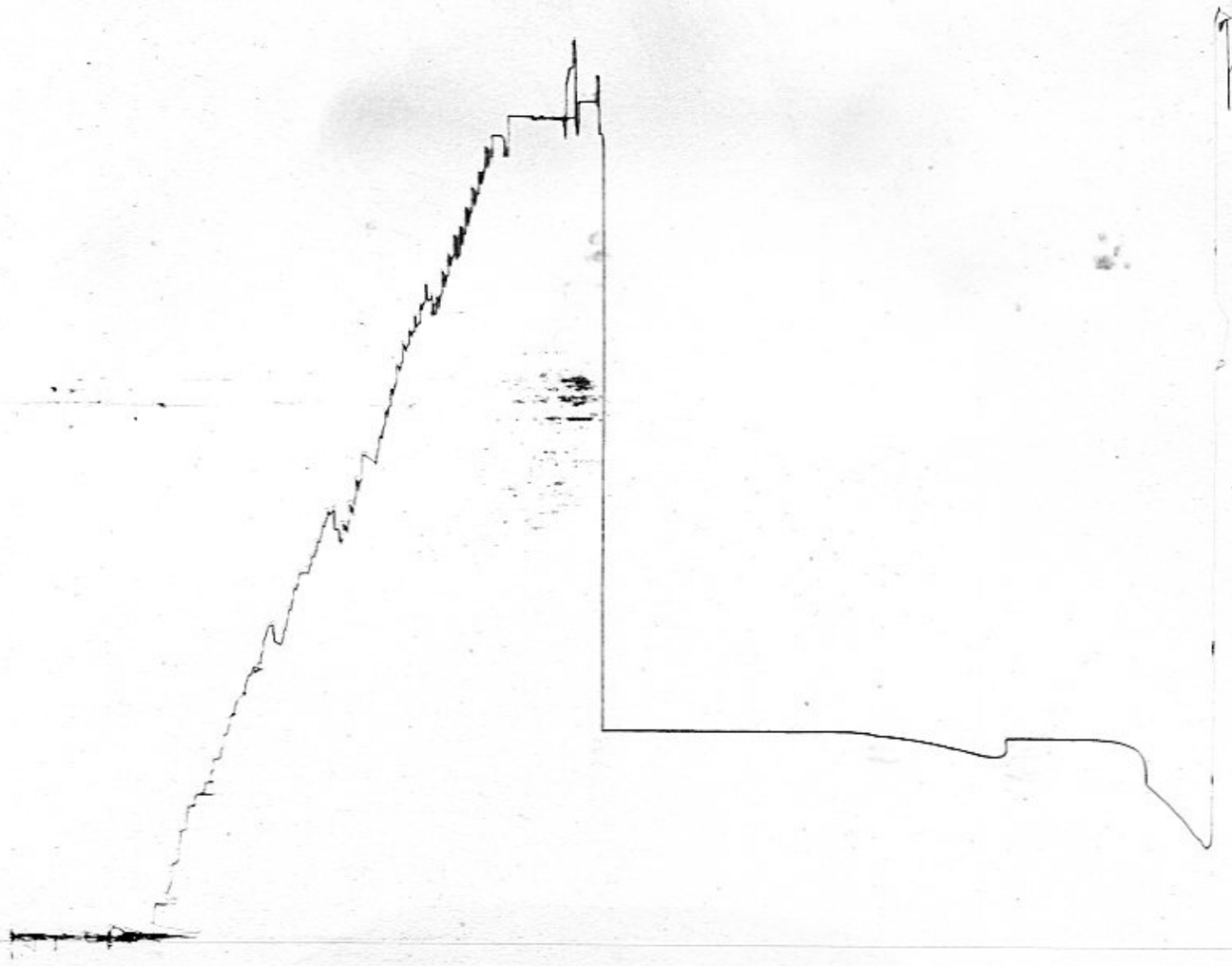
EJH #1-22



DST # 7 outside 3851

Basal Chester

5502-5520
LDC 5517



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

July 14, 2011

Evan Mayhew
BEREXCO LLC
2020 N. BRAMBLEWOOD
WICHITA, KS 67206-1094

Re: ACO1
API 15-081-21938-00-00
EJH 1-22
SE/4 Sec.22-30S-33W
Haskell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Evan Mayhew

GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG

COMPANY BEREXCO LLC

LEASE EJH NO. 1-22

LOCATION 1858'FSL & 1394'FEL

SEC. 22 TWP. 30S RNG. 33W

COUNTY HASKELL, STATE KANSAS

FIELD VICTORY

CONTRACTOR BEREDCO DRLG. RIG NO. 2

COMM. 5-7-2011 COMP. 5-27-2011

RTD 5650 LTD 5649

No. of DST'S 7 No. of CORES NONE

ELEVATIONS

KB 2942

DF 2940

GL 2930

MEASUREMENTS ARE ALL FROM KB

CASING RECORD

8⅝" at 1796' w/ ___ sx.

___ at ___ w/ ___ sx.

___ at ___ w/ ___ sx.

___ at ___ w/ ___ sx.

EL. LOG ACRES-SP-GR DEN-NEUT-GR-CALIPER ML-SONIC-

SAMPLES SAVED FROM 3800 TO TD

DRILLING TIME KEPT FROM 3800 TO TD

SAMPLES EXAMINED FROM 3800 TO TD

GEOLOGICAL SUPERVISION FROM 3800 TO TD

GEOLOGIST ON WELL EDWIN H. GRIEVES

FORMATION TOPS

	SAMPLE	LOG	SUBSEA
BASE HEEBNER	4074	4071	-1128
TORONTO	4082	4083	-1141
LANSING	4130	4126	-1184
MARMATON	4784	4776	-1834
CHEROKEE FM.	4950	4951	-1009
MORROW FM.	5232	5230	-2288
CHESTER	5370	5370	-2428
ST. GENEVIEVE	5519	5519	-2577
ST. LOUIS	5541	5543	-2601
TD	5650	5649	

22

REMARKS Earth-Tech had an unmanned gas detection trailer on this well f/ 4am 3800 to total depth.

Thank You!
Edwin H. Grieves
Geologist

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

HOT WIRE BY TOTAL GAS VOLUME

GAS SCALE 10 100 1000

3800

LITHOLOGY
SANDSTONE
LIMESTONE
SHALE
CHERT
SILTSTONE
DOLOMITE
GRANITE WASH
ANHY & GYP

SAMPLE DESCRIPTION

Lms. v.f to extrly a&n. wht to crm-ltlk.
2nd. lkTan to tan, grysh. lPs; crypto to v.v.f.xln. s/s; sub-cllk, sub-sucro to sucro.
3rd. lk to trns. lt. yel. fluor.; No Cut.
2&n. pr. to fr. micro-p.p. por. and prob. interxln. por.

DRILL TIME SCALE 5 10 15

Lms. lt.tomed. gry - Shly grdng to frly. to crsly. calc. shs. and grysh. tan to tan; crypto. to v.v.fn.xln.; sub-chlk to Shly sub-sucro + pachstn.; dul. lt. to trs. Hyal. fluor. IP's; No Cut; No Vis. Por.

Interbedded Limestones

① Faster Drlg. Lms. similar 3800-3846 w/trs oolicastic IP's w/pr. to good oolicastic por. in those parts

② Slower Drlg. Similar 3846-3865

Lms. trs. wht. to crm. - chlk and grysh. tan to tan; crypto. to v.v.fn.xln.; sub-chlk sub-sucro. to sucro. + trs. pachstn. phantom oolitic IP's.; dul. yel. fluor. No Cut; No Vis Por

Sh. drk. gry. to black - carb.; silty IP's

Lms. Similar 4046-4065

Lms. buy. trs. wht. to crm + H. gry. - chlk + H. gry to tan; crypto. to v.v.fn.xln.; sub-chlk; sub-sucro to sucro.; dul. yel. fluor.; No Cut trs. pr. micro-pp. por + poss. inter xln por

Lms. buy trs. wht. to crm. + H. gry - chlk + H. gry tan; crypto. to v.v.fn.xln.; sub-chlk, sub-sucro. + pachstn.; dul. yel. fluor, No Cut; No Vis por

Sh. v. drk. gry to black - carb

Lms. lt. gry. to tan; crypto to v.v.fn.xln. pachstn. dul. yel. fluor. IP's; No Cut; No Vis Por

Sh. lt. gry. to grnish. gry.; silty. IP's to trs Siltstn. lt. grnish. gry.; sli. micro-micaceous dense, tite, hard; No fluor, No Cut; No Vis Por

Lms. lt. gry., tanish IP's; crypto. to v.v.fn.xln. sub-chlk, sub-sucro + pachstn.; sli. Shly. IP's v. dul. yel. fluor. IP's; No Cuts; No Vis Por.

Lms. buy. trs. wht. to crm. - chlk + tan; crypto to v.v.fn.xln.; sub-chlk, sub-sucro to sucro. dul. lt. yel. fluor.; No Cut; w/buy trs poor to fair micro-pp. por + prob. inter xln. por.

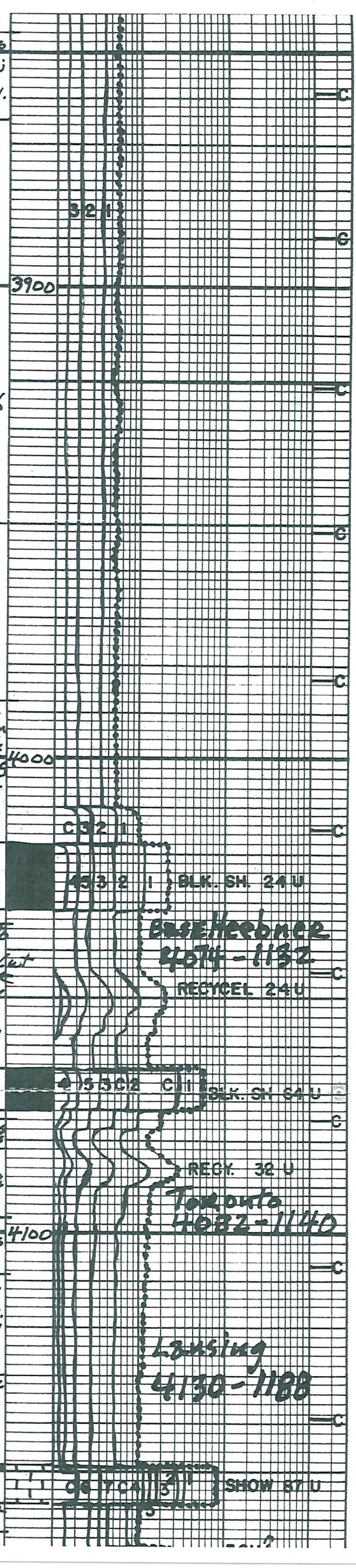
Lms. lt. gry. to tan, mottled IP's; crypto. to v.v.fn. xln.; sub-chlk + or shly. IP's; sub-sucro. + pachstn.; oolitic IP's (gry w/trs tan); dul. yel. fluor.; No Cut; No Vis Por.

Lmg. tan; crypto. to v.v.fn.xln.; sub-chlk sub-sucro + pachstn.; dul. lt. to lt. yel. fluor.; No Cut; No Vis Por

Lms. tan; poss. sli. darker. tan oil stn.; v.v.fn to v.fn.xln.; sub-sucro. to v. sucro. phantom oolicastic IP's; trs. to ss.; brt. lt. yel. fluor. w/ faint to gd. streaming cuts; abn. pr. to fr. to gd + buy trs excel. micro pp + inter xln por

Lms. Similar 4130-4149

Lms. trs. crm. to gry. - chlk + H. gry. to tan;



sub-sucro + packstn.; sli. to v. phantom oolitic t/or sli. to v. oolitic (tan + gry.); trs. foss.; dul. lt. to lt. yel. fluor.; No Cut; huy. trs. w/pr to fr + sli trs gd micro-pp por.

—Lms. lt. gry. to tan; crypto. xln.; trs sub-lith packstn. to trs. sub-lithographic dul. lt. yel. fluor; No Cut; No Vis Por.

Lms. trs. wht to crm. - chlk + tan; crypto. to v.v.fn.xln.; v. to extely oolicastic t/or v. to extely. oolitic (sm to med.) matrix sub-sucro to sucro. + packstn. jgldn. yel. fluor.; No Cut.; extr. 2 bn pr. fr. gd. to excel oolicastic por. w/trs pr. to fr. micro-p.p. por. IP's and poss. interxln por IP's; V. Quest. Perm.

Lms. similar 4189-4197

Lms. extr. 2 bn. wht. to crm. - chlk + tan; crypto to v.v.fn.xln.; sub-chlk, sub-sucro and packstn.; dul. lt. to lt. yel-fluor; No Cut No Vis. Por. w/trs Chert wht., crm, gry to tan; opque

Lms. lt. to med - sli to fraly. - shly; crypto xln.; packstn. to sub-lithogd; No flu No Cut; No Vis Por w/trs v. dk gry to black shale

—Lms. lt. gry. to gryish. tan + trs. tan; crypto to v.v.fn.xln.; sub-chlk, sub-sucro. + packstn.; trs. to 2 bn oolitic; dul lt to trs. lt. yel. fluor.; No Cut; No Vis Por.

Lms. huy trs. wht. to crm. - chlk + gryish tan to tan; crypto. to v.v.fn.xln. sub-chlk, sub-sucro + packstn; dul. gldn. yel. fluor.; No Cut; No Vis Por.

Lms. similar 4269-4284 w/trs Chert lt. gry to tan, opque

Lms. similar 4284-4290

Lms. lt. gry. to tan, mottled; crypto. to v.v.fn.xln. sub-sucro + packstn.; extely phantom oolitic IP's; dul. yel. fluor.; No Cut; No Vis Por.

Lms. extr. 2 bn. wht. to crm. - chlk + tan, gryish IP's crypto. to v.v.fn.xln.; sub-chlk, sub-sucro to trs. SUCRO. + packstn.; dul. lt. to trs lt. yel. fluor.; No Cut; scattered trs poor micro-p.p. por + poss. interxln por. IP's

Lms. tan to gryish. tan + trs. lt. gry; crypto to v.v.fn. xln.; sub-chlk, sub-sucro, packstn and trs. sub-lithogd. dul. lt. yel. fluor; No Cut; No Vis Por.

Lms. huy trs. wht. to crm. - chlk + tan; crypto to v.v.fn.xln.; extely. oolicastic t/or extely. oolitic; matrix sub-sucro to sucro + packstn.; dul. lt. to trs lt. yel. fluor; No Cut; 2 bn. pr. to fr. gd. to excel. oolicastic por + trs. pr. micro-p.p. por. IP's + poss. interxln. por. IP's; Quest Perm.

Lms. huy. trs. to 2 bn. wht. to crm - chlk + tan; crypto. to v.v.fn.xln.; sub-sucro + packstn and tan, crypto to v.v.fn xln.; v. to extely oolicastic t/or v. to extely. oolitic; matrix sub-sucro to sucro + packstn.; dul. lt. to lt. yel. fluor.; No Cut; huy trs. to 2 bn, pr to fr. + trs gd oolicastic por; V. Quest. Perm

Lms. lt. to med. gry. - sli to fraly. shly. crypto. xln.; packstn. to sub-lithogd. dull. lt. yel. fluor IP's; No Cut; No Vis Por.

Lms. similar 4399-4417 becoming dk. gry t/or brown

Sh. dk. gry to black - carb + calc

Interbedded Limestones

① Lms. Similar 4399-4412

② Lms. tan; crypto. to v.v.fn.xln.; sub-sucro., packstn + sub-lithogd. dul. yel. fluor.; No Cut; No Vis Por

Lms. trs. to abn. wht. to crm - chlk + tan; crypto. to v.v.fn. xln.; sub-chlk, sub-sucro. + packstn.; phantom oolitic IP's; dul. yel. to trs. yel. fluor; No Cut No Vis. Por

4200

4300

4400

3 6 U

C4 C3 3 2 1 RECYCLE? 44U

TRIP GAS 560U CFS

?

HEAVY OIL GASSES PLUGGING CHROMATOGRAPH

CFS

?? !!

C4 5 3 3 2 1

42U

56U

50U

Lms. lt. gry. to tan; crypto. to v.v.fn. xln.; trs. sub-sucro, pachstn. + sub-lithogr. dul. yel. fluor.; No Cut; No Vis Por.

Lms. lt. gry.; crypto. to v.v.fn. x/n.; trs. sub-sucro. pachstn. and sub-lithogr.; dul. yel. fluor. IP's; No Cut No Vis Por.

Sh. med. to dk. gry. - calc. to v. dk. gry. to black

Interbedded Limestones

① Lms. similar 4512-4527 becoming extrly shly. IP's

② Lms. trs. wht. to crm. - chlk + Tan grayish IP's; crypto. to v.v.fn. xln.; sub-chlk, sub-sucro. + pachstn.; hvy trs phantom oolitic + /or hvy trs oolitic; dul. yel. fluor.; No Cut; scattered trs. poor MICRO-pp POR. IP's

Lms, hvy trs. wht. to crm. - chlk + tan; crypto to v.v.fn. xln.; trs. sub-chlk, sub-sucro to sucro.; trs foss.; dul. yel. fluor.; No Cut; abn. pr to fr + trs. gd to excel. pp.; micro-pp + inter xln por

4575-4625 Lms. lt. gray. to tanish gray, sl. to frly. shly.; trs sub-chlk + /or shly, trs sub-sucro, pachstn to sub-lithogr. dul. yel. fluor.; No Cut; No Vis Por

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

Lms. similar 4575-4625

Lms. abn. wht. to crm. - wk. to grayish tan to tan; crypto to v.v.fn. xln.; extrly oolicastic + /or extrly oolitic; matrix pachstn w/ abn. sub-sucro to sucro. dul. yel. fluor; No Cut; v. abn. pr. fr., gd. to excel. oolicastic por + trs poss. inter xln. POR. Quest. Perm

4653-72 Lms similar 4575-4625

Sh v. dk. gry to black - carb

4676-4682 Lms. similar 4575-4625

Lms. trs. wht. to crm. - chlk + lt. tan to tan, grayish IP's; crypto. to v.v.fn. xln.; extrly. oolicastic + /or extrly. oolitic; matrix pachstn w/ abn. sub-sucro to sucro; trs foss, faint oil odor; lt. to dk. hy ell. fluor.; faint to sli. trs. fr., becoming milky cuts; abn. pr. fr., gd to hvy trs. excel. oolicastic por + hvy trs poss. inter xln por V. Quest. Perm.

4699-4712 Lms. med. to dk. gry.; v. to extrly. shly. grdng. to calc. shs.; crypto to v.v.fn. xln.; sub-chlk + /or shly, trs sub-sucro + pachstn.; No fluor; No Cut No Vis Por.

Lms. trs. crm. to lt. gry. - chlk + lt. to med. gry., tanish IP's; crypto. to v.v.fn. xln, sub-chlk, sub-sucro + pachstn.; hvy trs. phantom ool. tic; No fluor; No Cut; No Vis Por.

Lms. lt., med., dk. to v. dk. gry., v. to extrly. shly. grdng. to calc. shs.; crypto. to v.v.fn. xln.; sub-chlk and /or shly., trs sub-sucro., pachstn. and trs. sub-lithographic; trs dul. lt. yel. fluor.; No Cut; No Vis Por.

Lms. lt. gry. to grayish. tan trs. tan; crypto to v.v.fn. xln.; sub-chlk, trs. sub-sucro, pachstn. + sub-lithogr.; dul. gld. yel. to gld. yel. fluor.; No Cut; No Vis Por.

Lms. trs. wht. to crm. - chlk. + tan; crypto. to v.v.fn. xln. v. to extrly. oolicastic + /or v. to extrly. oolitic; matrix sub-sucro. to sucro., w/ abn. pachstn; trs. to occ. frags.; faint oil odor; gld. yel. fluor.; faint streaming cuts; IP's; abn. pr. to gd to excel. oolicastic por + hvy trs. pr. to fr. pp micro-pp + prob. inter xln por. Quest. chlk, IP's

4500

42U

C

C

36U

C

C4 C3 2 1

4600

C

C4 C3 2 1 BLK. SH. 125U

C

RECYCLE 82U

C

BLK. SH. 116U

C4 C3 C2 1 SHOW 72U TRIP GAS 136U CFS 0

4700

C

C

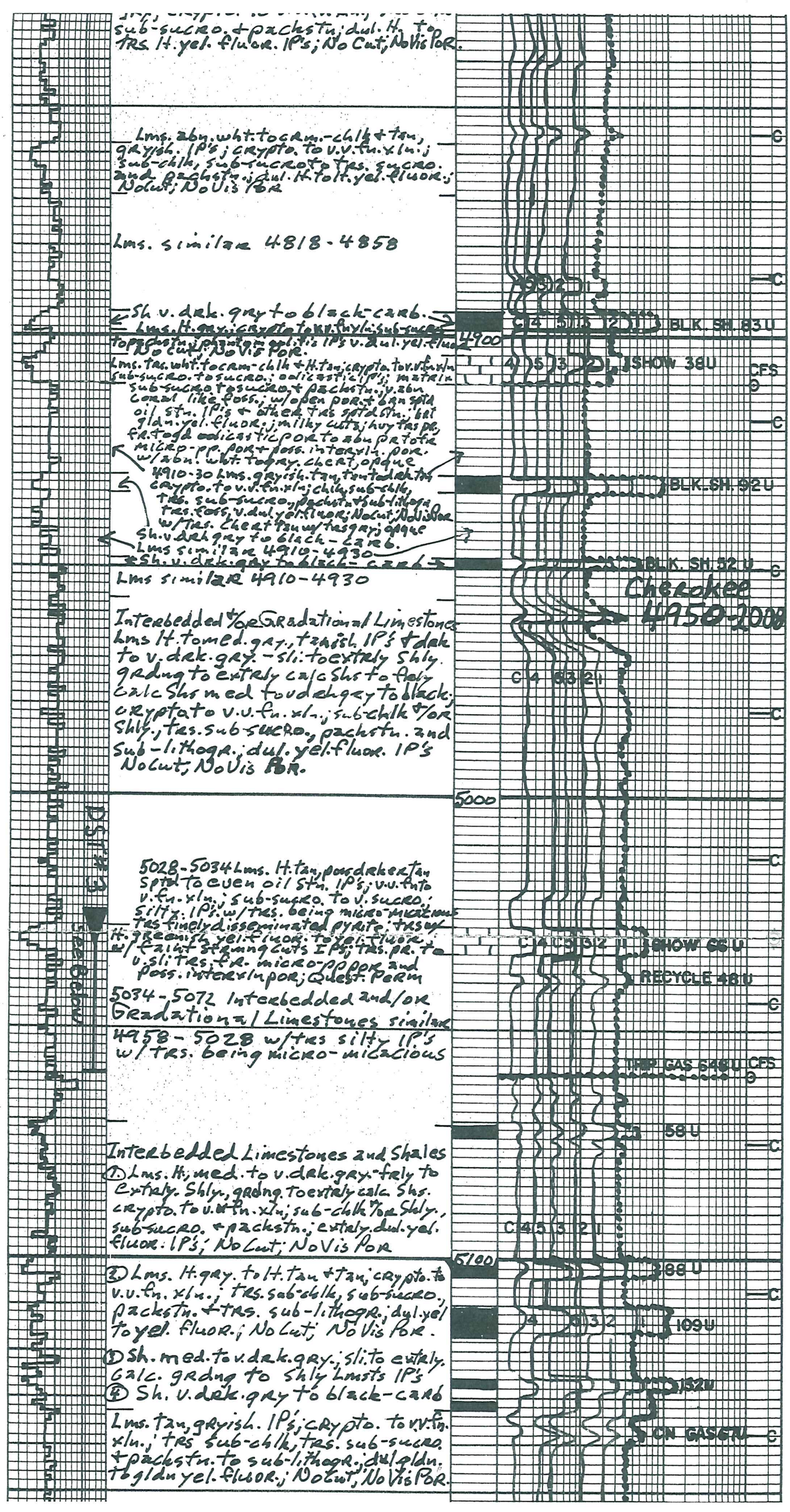
4 C3 2 1

Marmaton 4784-4842

C

4800

C C3 2 1 SHOW 52U CFS 0


sub-sucro. + packstn; dul. H. to trs. lt. yel. fluor. IP's; No Cut; No Vis Por.
Lms. abn. wht. to cam. - chlk + tan, grayish. IP's; crypto. to v.v. fn. x ln.; sub-chlk, sub-sucro to trs. sucro. and packstn.; dul. lt. to lt. yel. fluor.; No Cut; No Vis Por
Lms. similar 4818 - 4858
Sh v. dark. gray to black - carb.
Lms. lt. gray; crypto to v.f. sucrosic; sub-sucro to packstn; spotty to even oil stn. IP's v. dul. yel. fluor; No Cut; No Vis Por.
4900
Lms. trs. wht. to cam - chlk + lt. tan; crypto. to v.v. fn. x ln. sub-sucro. to sucro.; calcastic IP's; matrix sub-sucro to sucro. + packstn.; v. abn canal like poss.; w/ open por. + ban spld oil stn. IP's + other trs spld stn.; bet gldn. yel. fluor.; milky cuts; hvy trs pr, fr. to gd calcastic por to abn pr to fr. micro-pp. por + poss. intercrln. por. w/ abn. wht. to gray. chert, opaque
4910-30 Lms. grayish. tan, tr to dk tan crypto. to v.v. fn. x ln.; chlky sub-chlk, trs. sub-sucro, packstn + sub-lithogr. trs. poss, v. dul. yel. fluor; No Cut; No Vis Por w/ trs. Cherty tan w/ trs gray; opaque
Sh. v. dk gray to black - carb.
Lms similar 4910-4930
Sh. v. dark. gray to black - carb
Lms similar 4910-4930
Interbedded &/or Gradational Limestones
Lms lt. to med. gry., trnsh. IP's & dark to v. dark. gry. - sli. to extrely Shly. grdng to extrely calc Shs to frly calc Shs med to v. dk gry to black; crypto to v.v. fn. x ln.; sub-chlk &/or Shly., trs. sub-sucro., packstn. and sub-lithogr.; dul. yel. fluor. IP's No Cut; No Vis Por.
5000
5028-5034 Lms. lt. tan, pos dk er tan spld to even oil stn. IP's; v.v. fn to v. fn. x ln.; sub-sucro. to v. sucro.; silty; IP's. w/ trs. being micro-micaceous trs finely disseminated pyrite; trs w/ lt. grnish. yel. fluor. to yel. fluor. w/ faint streaming cuts IP's; trs. pr. to v. slt trs; fr. micro-pp por and poss. intercrln por; Quest. Perm
5034-5072 Interbedded and/or Gradational Limestones similar 4958-5028 w/ trs silty IP's w/ trs. being micro-micaceous
Interbedded Limestones and Shales
① Lms. lt; med. to v. dark. gray. - frly to extrly. Shly, grdng. to extrly calc. Shs. crypto. to v.v. fn. x ln; sub-chlk &/or Shly., sub-sucro. + packstn.; extrly. dul. yel. fluor. IP's; No Cut; No Vis Por
5100
② Lms. lt. gray. to lt. tan + tan; crypto. to v.v. fn. x ln.; trs. sub-chlk, sub-sucro., packstn. + trs. sub-lithogr.; dul. yel to yel. fluor.; No Cut; No Vis Por.
③ Sh. med. to v. dark. gray.; sli. to extrly. calc. grdng to Shly Lmsts IP's
④ Sh. v. dark. gray to black - carb
Lms. tan, grayish. IP's; crypto. to v.v. fn. x ln.; trs sub-chlk, trs. sub-sucro. + packstn. to sub-lithogr.; dul gldn. to gldn yel. fluor.; No Cut; No Vis Por.
C 4 5 3 2 1
BLK. SH. 83 U
SHOW 38 U
BLK. SH. 92 U
BLK. SH. 52 U
Cherokee 4950-5000
SHOW 66 U
RECYCLE 48 U
TRIP GAS 64 U
58 U
388 U
109 U
132 U
CN GAS 67 U
CFS
C

Limestone and Shales
similar 5072-5133

A. 5226-5232 Tripolitic Chert
sli. trs. freash lt. gry. - opque
to 95% very to highly
weathered; brown from oil
stn; fr. oil oder, brt. lt.
greenish yel. fluor. w/flush
to gd. strmng cuts; abn. pr to p.
thy trs. gd. to excel. p.p and
micro-pp por; Ondst. Permlps

B. 5232-5242 Lms. lt. gry. to tan; cr. pyto
to v.v.fn xlu; phantom oolitic
lps (lt. gry to trs. tan); trs. subchlk
trs sub-sucro + packstn; v. dul yel
fluor.; No Cut; No Vis Por, some
med gry sh partings + laminations

C. Brecciated Lms.; Lm. grad
Foss. fragm. held together
A. 6x v. fn, fn., med. to coarse
Calc. xls; lt. gry. to tan w/spkd
B. to even brown oil stn; some
loose med to coarse, cr m to
tan calc xls + fragm.; fr. oil
C. oder; brt. yel. to gld. yel. fluor.
w/flush to excell. strmng. cuts
abn. pr to p + v. thy. trs. gd to
excel. vugular, pp., micro-pp
+ inter xlu. por. lps

D. D. 5258-5271 Lms. similar
5242-5258 w/some having
med to dek. gry shale matrix
and No Apparent Gas Incr.

E. E. 5271-5282 Lms. lt to med. gry. -
Shly. to tan; cr. pyto. to v.v. fn xln
sub-sucro + packstn.; trs. w/trs
to abn. oolites + sli trs w/trs
glauc. to chlorite; dul. yel. fluor.
lps; No Cut; No Vis Por

F. F. Interbedded to Gradational
Sdsts, Siltstns + Shales

Ⓐ Sdst. 20 to 100% Qtz grs. vv fn
to v. fn. gr., ang + 0 to 80% lm grs
+ foss fragm; v. fn. grd to coarse
gr.; all grly. sort.; lt to med. gry
G. v. to extrly. shly. + lam silty; sli
to extrly. glauc to chloritic - lps
No fluor.; No Cut; No Vis Por
Ⓑ Siltstn med. gry, v. to extrly sdy
- vv fn gr. - ang.; + abn w/trs Lm grs
H. + foss fragm. - v. fn grd to trs.
coarse Lm grs + foss frags
dul. yel. fluor. lps; No Cut; No Vis Por
Ⓒ Sh. med to dk. gry w/abn sdy +
I. silty + trs v. fn. fos. lt trs coarse
Lm grs + Foss fragm.

J. G 5312-20 Lms. lt. gry. to tan;
crypto to v.v. fn. xln, trs sub-chlk
trs. sub sucro + packstn., abn fragm
Lmst. composed Lm grs, foss frags
K & oolites (tan), v. fn., med to
trs coarse grs; trs. v dul yel
fluor.; No Cut; No Vis Por
H. 5320-38 Interbedded Sdsts,
L Shales + Siltstns similar
5282-5312
I. 5338-5345 similar to F
M w/Lm sdst having trs spkd ban oil
stn. w/gld. yel. fluor. flush to gd
strmng cuts; scattered pp. micro-pp
por. lps
J 5345-51 Qtz Sdst. ban. from oil
stn; v.v. fn. to fn gr., ang; pr. to fr
sort.; trs. silt + clay filling; scattered

trs. sli. glauc. + ironchloritic; hvy trs
w/finely disseminated pyrite;
N hvy trs. w/blk. carb. specks
strng. oil oder, gld. yel. fluor.
w/explosive flush. cuts; abn pr to
fr, hvy trs. gd. + trs excel micro pp
to inter gd. por.
K. 5351-5370 Interbedded Sdsts
Shs + Siltstn similar F
L. 5370-5380 Fragm. Lms. lt gry.
to tan; v.v. fn gr. to coarse grs
composed Lm grs., foss frags
O & oolites (tan to gry); matrix
sub-chlk, sub-sucro + packstn
+ Sh. lps; trs dul. yel. fluor;
No Cut; No Vis Por
M. 5380-5389 Interbedded
Frag. Lms similar 5370-5380
& Shs. med. gry.; v. to extrly. calc
to extrly Shly Lmsts
N. 5389-5427 Sh. med gry, v. to
P extrly calc.
O. 5427-5451 Sh. med gry.;
slt to frly calc
P. 5451-5484 Sh. med. to dk.
gry.; v. to extrly silty + / or Qtz
Sdy; v.v. fn. to fn. gr. - ang.; trs

5200

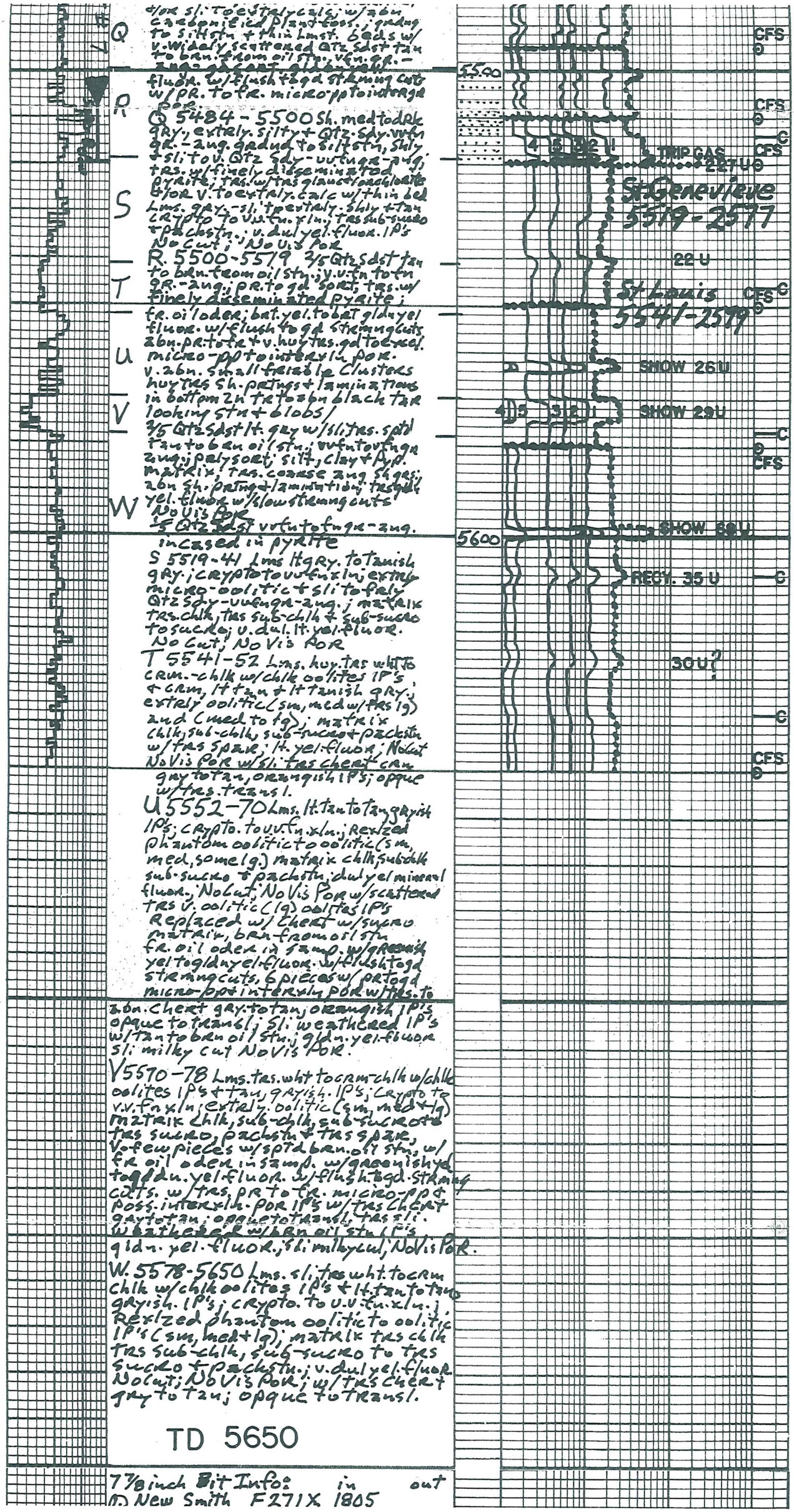
MORROW
5272-5290

5300

Chester
5370-5428

5400

94U
79U
78U
SHOW 21 U
TRIP GAS 1600 U
SHOW 25 U
SHOW 27 U
TRIP GAS
CFS
C



Q/or sl. to extly calc; w/abn carbonized plant fos.; grdng to silt stn + thin lmst. beds w/ v. widely scattered Qtz sdst tan to brn. from oil stn. v.fn.gr. - sug. subangular

fluor. w/flush tgd streaming cuts w/PR. to fr. micro ppt to interxln por.

R S 5484 - 5500 Sh. med to drk gry., extrly. silty + Qtz. sdy. vfn gr. - sug. grdng to silt stn, shly & sl. to v. Qtz sdy - vvfn gr - sug; trs. w/finely disseminated pyrite; trs. w/trs glauc to calc mat & /or v. to extrly. calc w/thin bed Lms. gry - sl. tr extrly. shly + tan crypto to v.v.fn. xln., trs sub-sucro + pachystn.; v. dul yel. fluor. IP's No Cut; No Vis POR

S R. 5500-5519 2/5 Qtz Sdst tan to brn. from oil stn.; v.v.fn to fn gr. - sug.; PR. to gd sort, trs. w/ finely disseminated pyrite;

T fr. oil odor; bat. yel. to bat gld yel fluor. w/flush to gd streaming cuts abn. pr. to fr + v. hvy trs. gd to excel. micro - ppt to interxln POR.

U v. abn. small friable Clusters hvy trs Sh. partgs + laminations in bottom 2ft tr to abn black tar looking stn + oil odor

V 2/5 Qtz Sdst lt. gry w/sl. trs. spkd tan to brn oil stn.; vvfn to vfn gr - sug.; poly sort; silt, clay + Arg. matrix, trs. coarse sug. sh grs.; abn sh. prtng + lamination, trs gld yel. fluor w/slow streaming cuts

W No Vis POR

2/5 Qtz Sdst vvfn to fn gr - sug. incased in pyrite

S 5519-41 Lms ltgry. to tanish gry.; crypto to vvfn xln; extrly micro-oolitic + sl. to poly Qtz Sdy - vvfn gr - sug.; matrix trs. chlk, trs sub-chlk + sub-sucro to sucro; v. dul. lt. yel. fluor. No Cut; No Vis POR

T 5541-52 Lms. hvy. trs wht to crm. - chlk w/chlk oolites IP's & crm, lt tan + lt tanish gry.; extrly oolitic (sm, med w/trs lg) and (med to lg); matrix chlk, sub-chlk, sub-sucro + pachystn w/trs spar; lt. yel. fluor; No Cut No Vis POR w/sl. trs chert crm gry to tan, orangish IP's; opque w/trs. transl.

U 5552-70 Lms. lt. tan to tan gryish IP's; crypto. to v.v.fn. xln.; Rexized phantom oolitic to oolitic (sm, med, some lg.) matrix chlk, sub chlk sub-sucro + pachystn; dul yel mineral fluor.; No Cut; No Vis POR w/scattered trs v. oolitic (lg) oolites IP's Replaced w/ Chert w/sucro matrix, brn from oil stn fr. oil odor in samp. w/greenish yel to gld yel fluor. w/flush tgd streaming cuts, 6 pieces w/ pr to gd micro-ppt interxln POR w/trs. to abn. Chert gry. to tan, orangish IP's opque to transl.; sl. weathered IP's w/tan to brn oil stn.; gld. yel. fluor sl. milky cut No Vis POR.

V 5570-78 Lms. trs. wht to crm-chlk w/chlk oolites IP's + tan, gryish. IP's; crypto to v.v.fn xln; extrly. oolitic (sm, med + lg) matrix chlk, sub-chlk, sub-sucro to trs sucro, pachystn + trs spar, V. few pieces w/spkd brn. oil stn, w/ fr oil odor in samp. w/greenish yel tgld. yel. fluor. w/flush tgd. Streaming cuts. w/trs. pr to fr. micro-ppt & poss. interxln. POR IP's w/trs Chert gry to tan; opque to transl, trs sl. weathered w/brn oil stn IP's gld. yel. fluor., sl. milky cut, No Vis POR.

W. 5578-5650 Lms. sl. trs wht. to crm chlk w/chlk oolites IP's + lt. tan to tan gryish. IP's; crypto. to v.v.fn. xln.; Rexized phantom oolitic to oolitic IP's (sm, med + lg); matrix trs chlk trs sub-chlk, sub-sucro to trs sucro + pachystn.; v. dul yel. fluor No Cut; No Vis POR; w/trs Chert gry to tan; opque to transl.

TD 5650

7 7/8 inch Bit Info: in out
ID New Smith F27IX 1805

Cia. Points:

1.	4210	13.	5357
2.	4350	14.	5380
3.	4660	15.	5460
4.	4690	16.	5480
5.	4807	17.	5495
6.	4910	18.	5510
7.	5060	19.	5520
8.	5220	20.	5550
9.	5240	21.	5580
10.	5286	22.	5650
11.	5320		
12.	5350		

Dev. Surv.:

1.	566 3/4°	7.	4210 1/2°
2.	963 1/2°	8.	4690 1/2°
3.	1800 3°??	9.	5060 3/4°
4.	2426 1/4°	10.	5286 3/4°
5.	2956 3/4°	11.	5650 3/4°
6.	4200 2 1/2°??		

Daily Drilling Progress:

1.	3800	At 2:34 PM	5-12-11
2.	4210	At 7:00 AM	5-13-11
3.	4210	At 7:00 AM	5-14-11
4.	4542	At 7:00 AM	5-15-11
5.	4690	At 7:00 AM	5-16-11
6.	4910	At 7:00 AM	5-17-11
7.	5060	At 7:00 AM	5-18-11
8.	5179	At 7:00 AM	5-19-11
9.	5240	At 7:00 AM	5-20-11
10.	5286	At 7:00 AM	5-21-11
11.	5333	At 7:00 AM	5-22-11
12.	5357	At 7:00 AM	5-23-11
13.	5498	At 7:00 AM	5-24-11
14.	5520	At 7:00 AM	5-25-11
15.	5645	At 7:00 AM	5-26-11
16.	5650	At 7:00 AM	5-27-11

DST #1 Lansing "B" 4145-4158
IO Strong Blow BOB 20sec GTS 11 min
FO Strong Blow BOB 1 min
Rec: 246' clean oil 38.4 Grav @ 60° F
279' GCMW 620-472 W 41% M
279' MW 99% W 1% M Scum of Oil
1013' SW 100% wtr
1817 Total Fluid
Chl 81000 PPM Ph. 6. Σ Rw .08 @ 60°
Pit Chl 3600 PPM Max Temp 111°
Tool Samp. 40% oil 59% wtr 1% Mud
IHP 1927 #
IFP 267-627 # in 30 min.
ISIP 866 # in 60 min.
FFP 661-829 # in 60 min.
FSIP 883 # in 120 min.
FHP 1924 #
Flow Info

	Min.	Ck	Gauge	MCF/D
IF	15	1/2	13 PSI	22.8
	20	1/2	15"	24.5
	25	1/2	10"	19.9
	30	1/2	8"	17.2
FF	5	1/4	15 IW	6.55
	10	1/4	8"	4.76
	15	1/8	19"	2.30
	20	1/8	23"	2.50
	25	1/8	27"	2.70
*	30	1/8	30"	2.89
	35	1/8	35"	3.10
	40	1/8	1 PSI	2.76
	45	1/8	1.5"	3.39
	50	1/8	2.0"	3.92
	55	1/8	2.5"	4.42
	60	1/8	2.5"	4.42

* Sample Taken

DST #2 Kansas City "B" 4679-4690
IO Fr. 1" Blow inc BOB 2 min
FO Weak 1/4" Blow inc. BOB 11 min
GTS during Final Shut In

276' SW 100% wtr w/oil specks

458' Total Fluid
Chl. 100000 ppm Ph 6.5 Rw .06@80°
Some Free oil on top Drillcollars
Tool Sample 100% SW - w/oil specks
Max Temp 121°F
IHP 2143 #
IFP 14-94 # in 30 min.
ISIP 1285 # in 60 min.
FFP 103-211 # in 60 min.
FSIP 1287 # in 120 min.
FHP 2141 #

DST #3 Cherokee Lm. 5025-5060
IO Good 2" Blow BOB 1 min 20 sec;
GTS 18 min
FO Strong Blow BOB immediately
Rec 31' MW 74% W; 26% M
31' Total Fluid
Chl 83000 ppm Ph 7.2 Rw .07@77°
Pit Chl 3400 Max Temp 124°
Tool Samp. 2% oil; 32% wtr; 66% Mud

IHP 2290 #
IFP 11-45 # in 30 min.
ISIP 1491 # in 60 min.
FFP 21-58 # in 60 min.
FSIP 1486 # in 120 min.
FHP 2289 #

Flow Info:

	Min	Ck	PSI Gauge	MCF/D
IF	20	1/4	5.5	21.8
	25	1/4	11	32.4
	30	1/4	14	37.6
FF	5	1/2	3.5	64.0
	10	1/2	3.5	64.0
	15	1/2	3	59.2
	20	1/4	9	29.0
	25	1/4	13	35.9
*	30	1/4	16	40.9
	35	1/4	19	45.5
	40	1/4	21	48.7
	45	1/4	23	51.8
	50	1/4	24	53.2
	55	1/4	25	54.7
	60	1/4	26	56.3

* Sample Taken

DST #4 Basal Atoka 5222-5240
IO Good 2" Blow BOB 2 min
FO Good 1" Blow BOB 3 min
Rec: 1845' GIP
102' DM 100% Mud TR. of WTR
92' GCMW 2% G; 84% W; 14% M
368' SW 100% W
562' Total Fluid Max temp 134°
Chl 118000 ppm; Ph 6.5; Rw .06@67°
Tool Sample 100% SW
IHP 2393 #
IFP 22-124 # in 30 min.
ISIP 1210 # in 60 min.
FFP 137-261 # in 60 min.
FSIP 1211 # in 120 min.
FHP 2390 #

DST #5 Morrow 5241-5259
IO strong Blow BOB 1/2 min GTS 8 min
FO Strong Blow BOB immediately
Rec: 796 ft clean oil unloaded 36° GRAV @ 60°F
1923 ft clean oil Drlg Pipe
549 ft clean oil Collars
92 ft Last collar 55% G 23% oil
4% wtr; 18% mud
3360 Total fluid
Chl 5000 ppm pH 9.2 Rw .84@76°F
Pit Chl 2000
Tool Sample Blow Out Gassy Oil

IHP 2383 #
IFP 105-246 # in 30
ISIP 1979 # in 60
FFP 288-579 # in 60

FHP 2377# in 120

Flow Info:

ID	Min	Ck	Gauge	MCF/D
	10	½	4.5psi	73.6
	15	½	5.0	78.1
	20	½	4.5	73.6
	25	½	4	68.8
	30	½	2.5	53.4
FF	5	¼	231W	8.0
	10	⅛	271W	2.7
	15	⅛	1 PSI	2.76
	20	⅛	1.5"	3.39
	25	⅛	2"	3.92
	30	⅛	2.5"	4.42
	35	⅛	3.0"	4.84
	40	⅛	3.5"	5.26
	45	⅛	40PSI	5.64
	50	⅛	4.0"	5.64
	55	⅛	4.0"	5.64
	60	⅛	4.0"	5.64

No samp. Taken Inst. PSI

DST #6 Morrow 5320-5357
IO Weak ¼" Blow inc. to 4"
Weak Surface Blow inc. to 7½"
Rec 150 Gas In Pipe
45ft. SL: OCM 2%G; 2%O; 96%M
45ft Total fluid Max Temp 126°F
Tool Samp. 30% gas; 8% oil 42 wtr; 58% Mud
IHP 2396#
IFP 14-24# in 30 min.
ISIP 215# in 60 min.
FFP 28-44# in 60 min.
FSIP 265# in 120 min.
FHP 2396#

DST #7 Basal Chester Sdst 5502-5520
ID 2" Blow BOB 2 min
FO weak ¼" Blow BOB 12 min
Rec 55ft WM 40%W; 60% Mud Scum Oil
93ft MW 80%W; 20% Mud Scum Oil
1106ft SW 100% wtr
1254 Total fluid No Temp
Chl 100000 ppm; PH 6.5; R_w .67@67°F
P.f Chl 3400 ppm
IHP 2600#
IFP 295-499# in 30 min
ISIP 643# in 60 min
FFP 571-629# in 60 min
FSIP 658# in 120 min
FHP 2571#

Mud Info:

Date	5-12 1:25P	5-13 12:45P	5-14 12:45P	5-15 2:30P	5-16 12:45P	5-17 11:35A	5-18 12:45P	5-19 12:45A
Depth	3777	4210	4237	4690	4690	4948	5060	5220
Wt.	8.75	8.95	8.9	9.0	9.0	9.05	9.05	8.95
Vis	47	48	48	44	47	47	46	52
PV	15	15	15	13	14	14	14	16
YP	15	16	16	15	16	15	15	16
GS	14/42	14/41	14/42	13/37	14/42	14/40	14/38	15/43
WL	8.8	8.8	8.8	8.4	8.8	8.8	8.8	8.0
Cake	1/32	1/32	1/32	1/32	1/32	1/32	1/32	1/32
pH	10.5	9.5	9.5	9.0	9.0	9.0	9.0	10.5
Chl	1250	3600	4300	2500	2200	3400	2200	2400
Ca	20	20	20	20	20	20	10	20

Mud Info:

Date	5-12 1:25P	5-13 12:45P	5-14 12:45P	5-15 2:30P	5-16 12:45P	5-17 11:35A	5-18 12:45P	5-19 10:25A
Depth	3777	4210	4237	4690	4690	4948	5060	5220
Wt.	8.75	8.95	8.9	9.0	9.0	9.05	9.05	8.95
Vis	47	48	48	44	47	47	46	52
PV	15	15	15	13	14	14	14	16
YP	15	16	16	15	16	15	15	16
GS	14/42	14/41	14/42	13/37	14/42	14/40	14/38	15/43
WL	8.8	8.8	8.8	8.4	8.8	8.8	8.8	8.0
Cake	1/32	1/32	1/32	1/32	1/32	1/32	1/32	1/32
pH	10.5	9.5	9.5	9.0	9.0	9.0	9.0	10.5
Chl	1250	3600	4300	2500	2200	3400	2200	2400
Ca	20	20	20	20	20	20	20	20
LCM	2	2	3	4	3	4	4	3

Date	5-20 7:20P	5-21 11:00A	5-22 9:45A	5-23 5:30A	5-24 10:40A	5-25 11:40A	5-26 1:30P	
Depth	5240	5286	5350	5357	5514	5520	5650	
Wt.	9.1	8.9	8.9	8.9	9.0	8.95	9.05	
Vis	75	44	47	53	52	57	65	
PV	22	10	12	15	16	19	18	
YP	26	14	14	15	18	12	18	
GS	16/56	9/32	9/28	13/44	16/49	18/53	17/54	
WL	8.8	8.8	7.6	7.2	7.2	7.2	8.4	
Cake	1/32	1/32	1/32	1/32	1/32	1/32	1/32	
pH	10.0	10.0	10.5	10.5	10.5	11.0	9.0	
Chl	2000	2600	4000	3900	3400	4900	4600	
Ca	100	80	40	80	20	20	20	
LCM	4	3	3	4	3	4	4	

OPERATOR BEREXCO LLC LOCATION 1858'FSL & 1394'FEL

LEASE EJH NO. 1-22 SEC. 22 TWP. 30S RNG. 33W

ELEVATION 2942KB RTD 5650 COUNTY HASKELL STATE KANSAS