



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1152291
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: _____



1152291

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
--	---

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> _____
---	--

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Bradford 1-29
Doc ID	1152291

Tops

Name	Top	Datum
Stone Corral	1581	854
Anhydrite (base)	1611	824
Topeka	3592	-1157
Heebner	3983	-1548
Toronto	4001	-1566
LKC	4044	-1609
Stark	4333	-1898
BKC	4447	-2012
Marmaton	4463	-2028
Pawnee	4533	-2099
Ft Scott	4557	-2122
Cherokee	4557	-2163
Mississippi	4690	-2255

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



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

July 19, 2013

Bruce Meyer
BEREXCO LLC
2020 N. BRAMBLEWOOD
WICHITA, KS 67206-1094

Re: ACO1
API 15-083-21889-00-00
Bradford 1-29
SE/4 Sec.29-23S-23W
Hodgeman 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,
Bruce Meyer



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

BRADFORD
260139 *WELL* *ACT*

TICKET NUMBER 37927
LOCATION Oakley, Ks
FOREMAN Walt Dunkel

(W) RICHARD

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-28-13	1707	Bradford 1-29	29	23S	23W	Hodgeman
CUSTOMER <u>Borex Co Inc</u>			Jetmore			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			65-to	Jerry Yates		
STATE			Rd G	Jack Johnson		
ZIP CODE			1E	Dustin Johnson		

JOB TYPE Sur Face HOLE SIZE 12 1/4" HOLE DEPTH 270' CASING SIZE & WEIGHT 8 5/8 - 20#
 CASING DEPTH 265' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 15 3/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Safety Meeting, tie up on Borex Co #2, circ casing on bottom
Mixed 250 sks class A, 3% CC - 2% Gel, release Plug + Displace 15 3/4
BBL, H₂O, shut in

Cement Did Circ

Approx 6 BBL to Pit

Thank You
Walt + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1,150.00	1,150.00
5406	40	MILEAGE	.525	210.00
1104S	250 - SKS	Class A Cement	18.55	4,637.50
1102	705 #	Calcium Chloride	.94	662.70
1118B	470 #	gel	.27	126.90
5407A	11.75	Ton Mileage Delivery	1.75	822.80
4432	1	8 5/8 wooden Plug	100.75	100.75
				7,710.65
				-771.07
				6,939.58
				370.64
				7,310.22

Completed

Less 10% Disc

Ravin 3737

AUTHORIZATION: *Myla Salinas* TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

29-23s-23w, Hodgeman, KS

2020 N. Bramblewood
Wichita KS 67206

Bradford #1-29

Job Ticket: 54282

DST#: 1

ATTN: David Gould

Test Start: 2013.07.05 @ 06:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	Water	0.590
180.00	GO 25%G 75%O	0.885
0.00	225ft GIP	0.000

Total Length: 300.00 ft Total Volume: 1.475 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

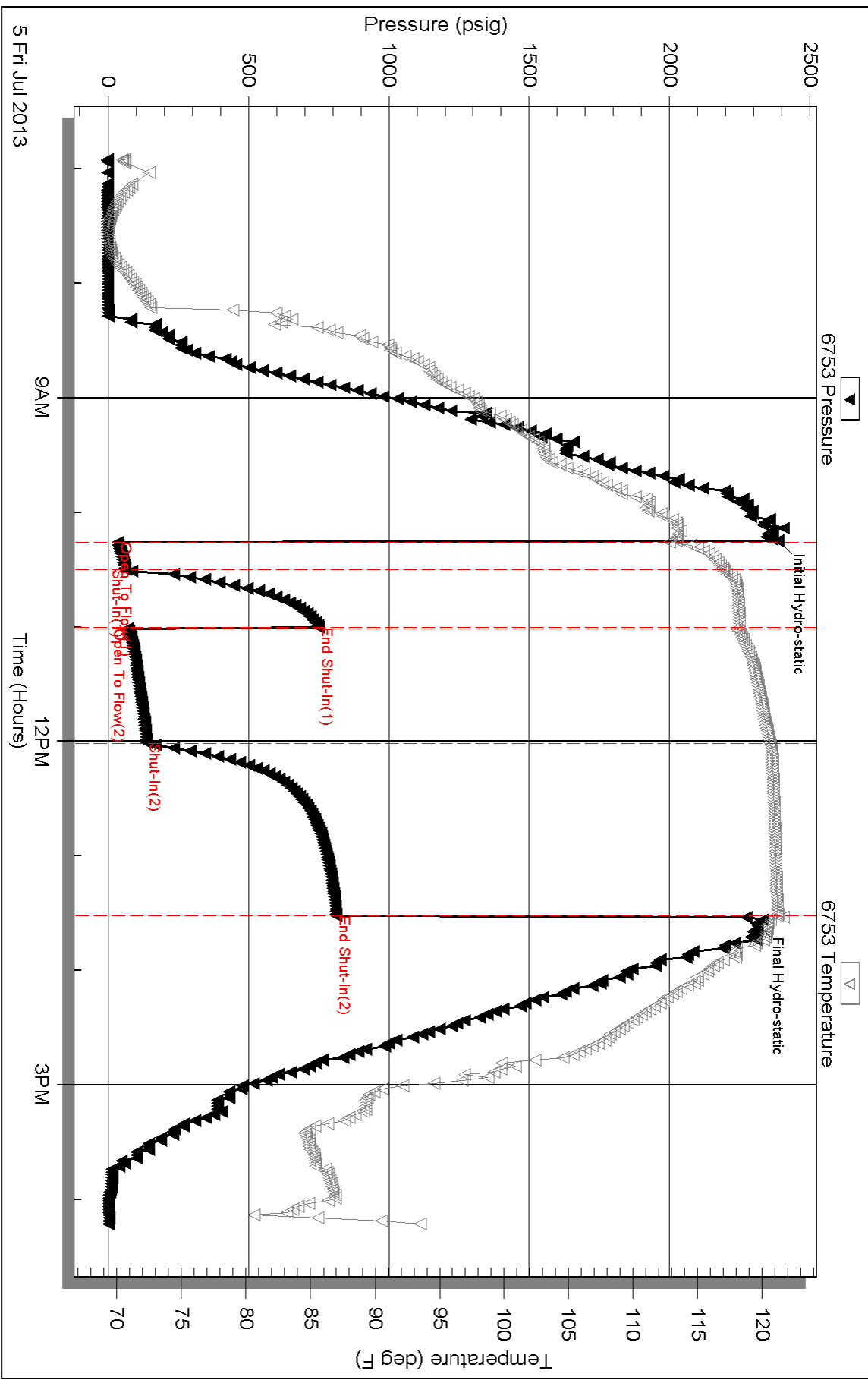
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC.
2020 N. Bramblewood
Wichita KS 67206
ATTN: David G.

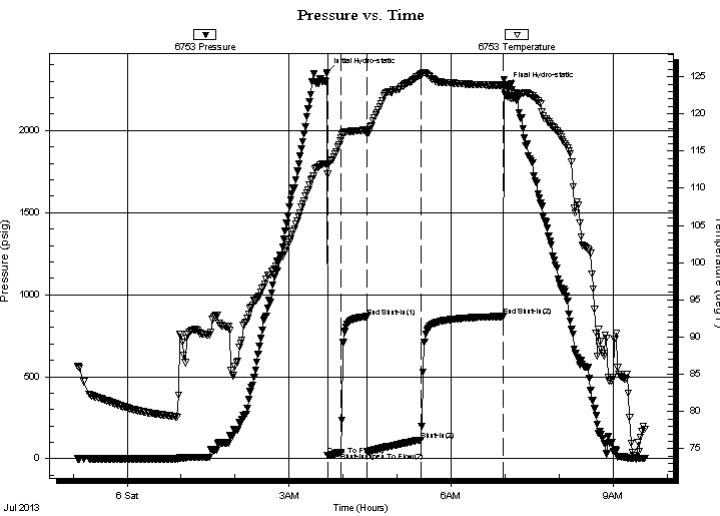
29-23s-23w, Hodgeman, KS
Bradford #1-29
Job Ticket: 54283 **DST#: 2**
Test Start: 2013.07.05 @ 23:05:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 03:42:30 Tester: Brett Dickinson
Time Test Ended: 09:35:30 Unit No: 59
Interval: 4704.00 ft (KB) To 4714.00 ft (KB) (TVD) Reference Elevations: 2434.00 ft (KB)
Total Depth: 4714.00 ft (KB) (TVD) 2422.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

Serial #: 6753 Inside
Press @ Run Depth: 113.95 psig @ 4705.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.05 End Date: 2013.07.06 Last Calib.: 2013.07.06
Start Time: 23:05:05 End Time: 09:35:30 Time On Btm: 2013.07.06 @ 03:41:30
Time Off Btm: 2013.07.06 @ 07:00:30

TEST COMMENT: IF-1.5in blow
ISI-No blow
FF-3.75in blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2354.25	113.14	Initial Hydro-static
1	19.53	111.88	Open To Flow (1)
16	38.19	116.80	Shut-In(1)
45	866.72	117.81	End Shut-In(1)
45	42.41	117.38	Open To Flow (2)
105	113.95	125.23	Shut-In(2)
196	867.81	123.84	End Shut-In(2)
199	2269.77	122.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	VSMCW 85%W 5%M	0.91
30.00	GO 20%G 80%O	0.15

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

29-23s-23w, Hodgeman, KS

2020 N. Bramblewood
Wichita KS 67206

Bradford #1-29

Job Ticket: 54283

DST#: 2

ATTN: David G.

Test Start: 2013.07.05 @ 23:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
185.00	VSMCW 85%W 5%M	0.910
30.00	GO 20%G 80%O	0.148

Total Length: 215.00 ft Total Volume: 1.058 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

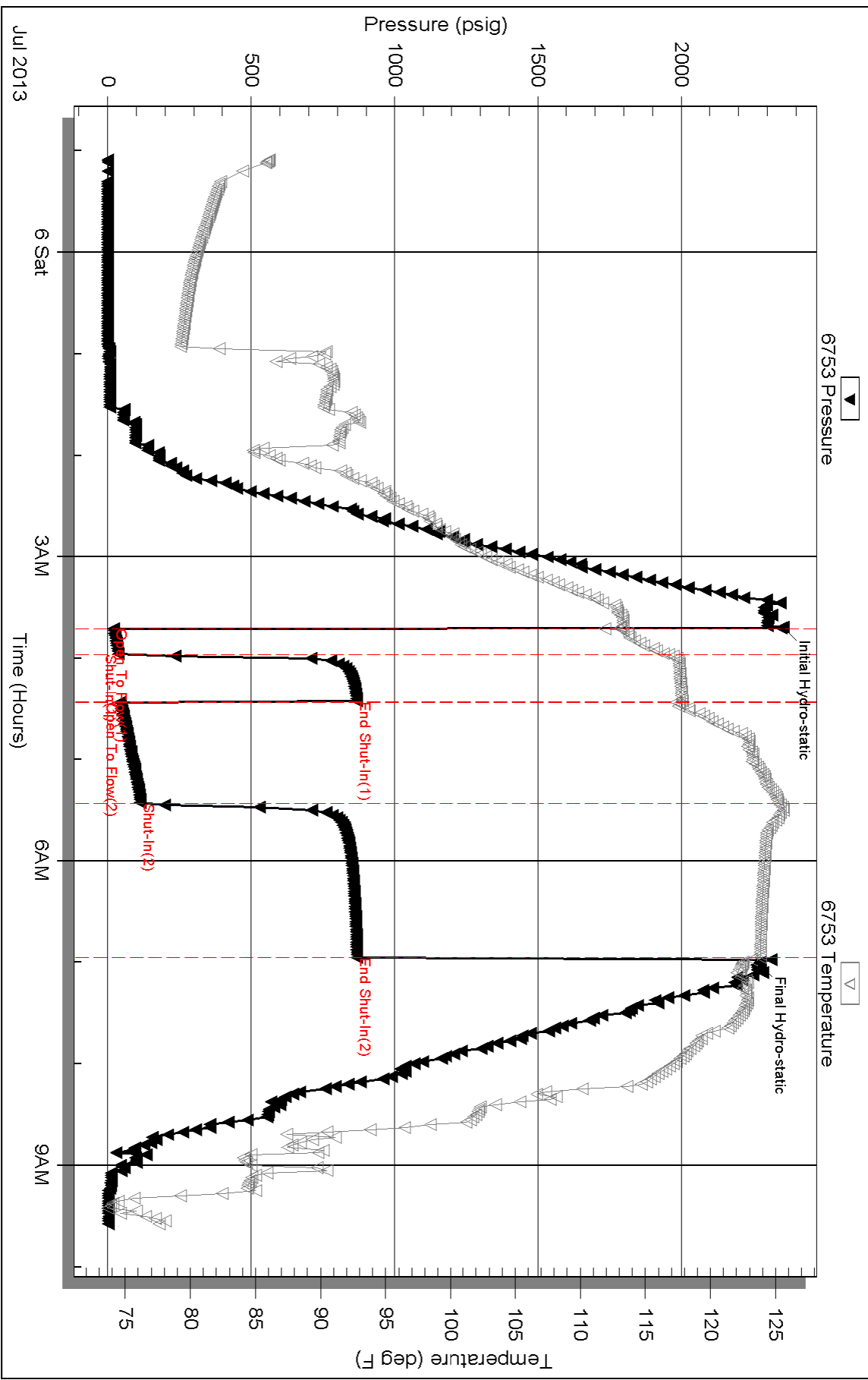
Inside

Berexco LLC

Bradford #1-29

DST Test Number: 2

Pressure vs. Time

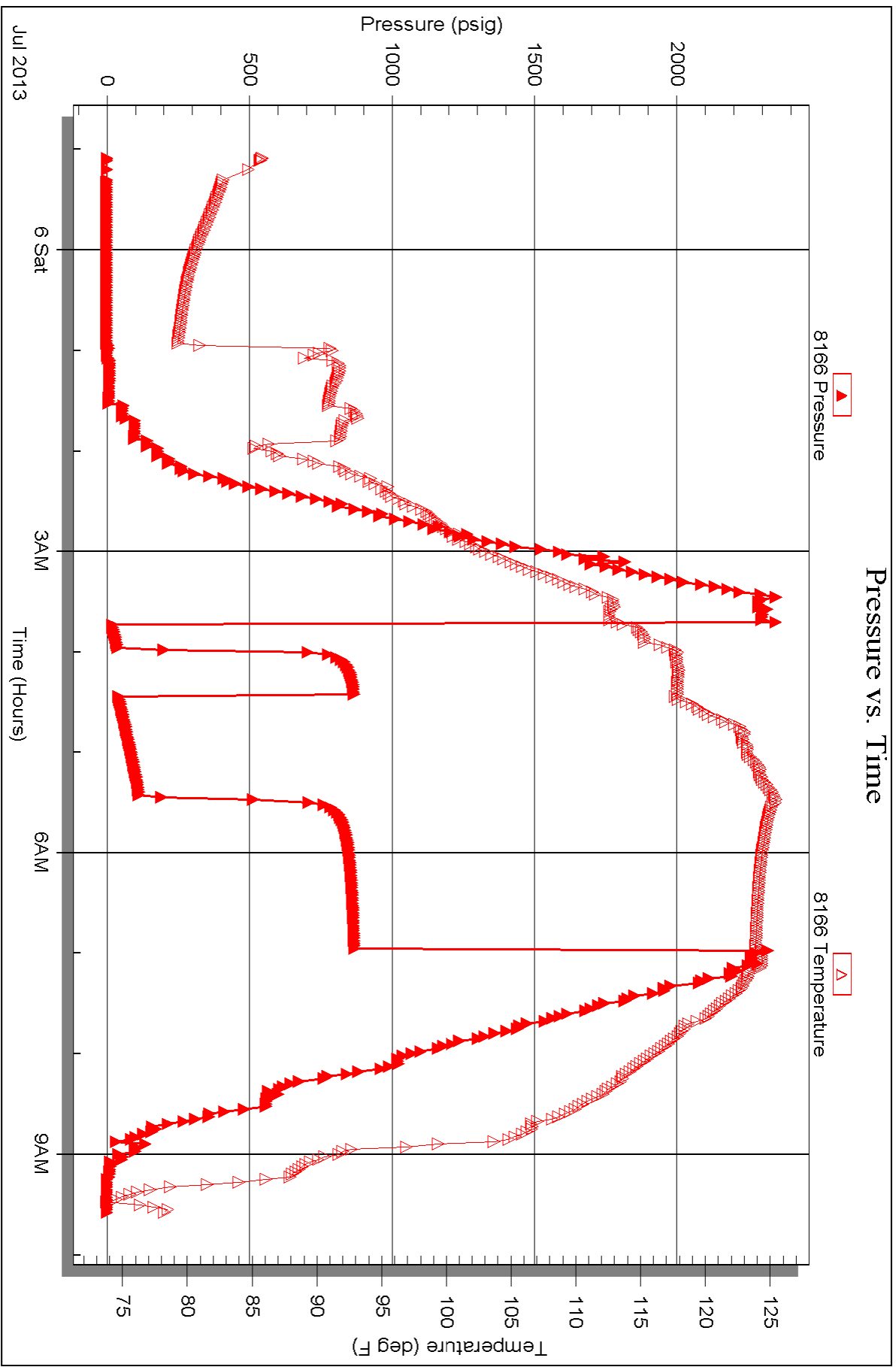


Serial #: 8166

Outside Berexco LLC.

Bradford #1-29

DST Test Number: 2



BRADFORD | W F ALLIED OIL & GAS SERVICES, LLC 060494

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend K1

DATE <u>7-9-13</u>	SEC. <u>29</u>	TWP. <u>23</u>	RANGE <u>23</u>	CALLED OUT <u>5:00 AM</u>	ON LOCATION <u>8:00 AM</u>	JOB START <u>5:00 PM</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>Bradford</u>		WELL # <u>J-29</u>		LOCATION <u>J-Towne US, 1E, 1N, 3/4E</u>		COUNTY <u>Hodgeman</u>	STATE <u>K1</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Berexco #2
TYPE OF JOB Production Bottom Stage
HOLE SIZE 2 7/8 T.D. 5303
CASING SIZE 5 1/2 DEPTH 5303
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL Stage Collar DEPTH 1607
PRES. MAX 1400 MINIMUM 800
MEAS. LINE SHOE JOINT 80.15
CEMENT LEFT IN CSG. 80.15
PERFS.
DISPLACEMENT 86 H₂O - 38 1/4 Mud

OWNER Same
CEMENT
AMOUNT ORDERED 200 lb 69/40 8% Del 1/4" Flowed
250 lb ASC, 250 lb 1 1/2" Del 10% Salt
5" Kalsol/sh w/ Reframer 500 gal. DD-1100
COMMON @ _____
POZMIX @ _____
GEL @ _____
CHLORIDE @ _____
ASC 250 @ 20.90 5.225.00
200 SX lite wt @ 15.95 3.190.00
Floccal 116 @ 2.97 344.52
C.I.S 1250 @ .98 1225.00
FI-160 70 @ 18.90 1323.00
DF 105 @ 9.80 1029.00
HANDLING 848.72 @ 2.48 2.104.94
MILEAGE 35.65 X 30% 2.60 2.781.09
TOTAL 17.222.55

EQUIPMENT
PUMP TRUCK CEMENTER Tom Newell
517 HELPER Karen Eddy
BULK TRUCK
609-241 DRIVER Don Cooper
BULK TRUCK
DRIVER Ben Newell

REMARKS:

Ran 5303' of 5 1/2" cas. Bore circulation
Circulated for 1/2 hr Pumped 500 gal DD 1100
500 gal H₂O Mixed 150 lb 69/40 8% Del
1/4" Flowed/sh followed by 250 lb ASC
250 lb 1 1/2" Del 10% Salt 5" Kalsol
Per Seal w/ Reframer. Worked line clean.
Released Plug. Replaced with H₂O & Mud.
Handed Plug @ 1400'. Released & Held.
Plugged Nozzle w/ 30 lb mandrel w/ 20 in.

SERVICE

DEPTH OF JOB 5303
PUMP TRUCK CHARGE 2765.75
EXTRA FOOTAGE @ _____
MILEAGE Hum 30 @ 7.70 231.00
MANIFOLD @ _____
6 VM 30 @ 4.40 132.00

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

TOTAL 3.128.75

PLUG & FLOAT EQUIPMENT

Latchdown Plug
Triplex Shoe @ 913.25 913.25
10-Ton Centerlines @ 45.00 450.00
3-Baskets @ 161.25 483.75
Stage Collar @ 2.597.50 2.597.50
1-Stop Ring @ 19.75 19.75

TOTAL 4.464.25

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

SALES TAX (If Any) _____
TOTAL CHARGES 24.351.30
5087.82
DISCOUNT _____ IF PAID IN 30 DAYS
19.263.48

PRINTED NAME _____
SIGNATURE [Signature]

Date 7-9-13 District RT Band Ticket No. 66094
 Company Baraco Rig Drexco
 Lease Breaker Well No. 1-29
 County Hodgeman State KS

Location Tatamie Ls, 1E, 1N Field _____
3/4 S 4 into
 CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5/8 Type WAW Weight 15 1/2 Collar _____

WELL FILE

Bottom Stage
 Casing Depths: Top _____ Bottom 5302'
Stage collar @ 1607'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8" T.D. 5320 ft. P.B. to _____ ft.
 CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0238 Lin. ft./Bbl. 42.0126
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32.4015
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

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

LEAD: Pump Time _____ hrs. Type 29/40 87% gel
29 # 8 band
 Amt. 200 Skys Yield 1.81 ft³/sk Density 12.5 PPG

TAIL: Pump Time _____ hrs. Type ASC, 27% gel
63 # 10, 10 # salt, 5 # KS/SIS
 Amt. 250 Skys Yield 1.57 ft³/sk Density 14.5 PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 597 - Kevin Boddy
 Bulk Equip. 609 - 241 - Dan Campbell
Dan Maxwell

Float Equip: Manufacturer _____
 Shoe: Type Triplex Depth 5302
 Float: Type Lotusbeam Depth 5321
 Centralizers: Quantity 10 Plugs Top _____ Btm. _____
 Stage Collars 531 21 -
 Special Equip. 3 - Bulet
 Disp. Fluid Type H2O & Mud Amt. 129.28 Bbls. Weight _____ PPG
 Mud Type 80 H2O 38.25 Mud Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Tom Archon

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
8:00 AM						Annular Loss S.M. Pump up
8:30 PM						Hooked up & broke circulation
3:42 PM						Dropped ball to set Triplex
4:40 PM				17	3	Pump fluid + 5 bbl H2O
4:46 PM				48.35	5	Start lead cement
5:15 PM				69.90	5	Start tail cement
5:38 PM						work line clean
5:45 PM				129	5	Start Displacement
6:05 PM						Lead Plug

ALLIEL OIL & GAS SERVICES, LLC

060495

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Muscat Bend, Ks

DATE <u>7-9-13</u>	SEC. <u>29</u>	TWP. <u>23</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 PM</u>	JOB FINISH <u>8:30 PM</u>
<u>Bradford</u> LEASE	WELL # <u>1-29</u>	LOCATION <u>Johnson Co, 1E, 1N, 3/4 E,</u>			COUNTY <u>Hodgson</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		WELL FILE					

CONTRACTOR Benedex #2
 TYPE OF JOB Production Top Stage
 HOLE SIZE 7 7/8" T.D. 5420
 CASING SIZE 5 1/2" DEPTH 5302
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL Stage Collar DEPTH 1607
 PRES. MAX 1500 MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 38 1/4

OWNER Same

CEMENT
 AMOUNT ORDERED 400 lbs 60/40 890 AIP,
1/4 #2 floored/sh 1/2 #10 floored
(used 215 lbs)

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>265 SX Lite</u>	@	<u>15.95</u>	<u>4.226.75</u>
	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING			
MILEAGE			

EQUIPMENT

PUMP TRUCK CEMENTER Tom Ashman
 # 577 HELPER Ramon Eddy
 BULK TRUCK
 # 544-198 DRIVER Ben Newell
 BULK TRUCK
 # DRIVER Don Cooper

REMARKS:

Dropped Bomb. Pressured to 1200' and
opened stage collar. Circulated 1/2 hr.
Mixed 265 SX 60/40 890 AIP, 1/4 #2 floored
per inch 1/2 #10 floored. Washed line clean.
Released plug. Displaced with H₂O.
landed plug at 1500' & closed stage
collar. Released & held. Cement did
circulate. Approx 75 lbs to pit.

TOTAL 4.226.75

SERVICE

DEPTH OF JOB <u>1607</u>		
PUMP TRUCK CHARGE		<u>2406.25</u>
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	@	
	@	
	@	

TOTAL 2406.25

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

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL _____

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 X

SIGNATURE [Signature]

SALES TAX (If Any) _____
 TOTAL CHARGES 6.633.00
 DISCOUNT 1.658.25 IF PAID IN 30 DAYS
4.974.75

Date 7-9-23 District W. Bend Ticket No. 060495
 Company Berwick Fig. Berwick 2
 Lease Bradford Well No. 2
 County Bradford State PA
 Location _____ Field _____

WELL FILE

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5 1/2 Type smooth Weight 15 1/2 Collar _____

Top Stage

Casing Depths: Top _____ Bottom 11007
Stage collar

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 1/4 T.D. 5420 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.238 Lin. ft./Bbl. 42.020
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.309 Lin. ft./Bbl. 32.4065
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

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

CEMENT DATA:

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

LEAD: Pump Time _____ hrs. Type 67/90 barrel
2 1/2 S w/p/bement Excess _____

Amt. 400 Skys Yield 581 ft³/sk Density 12.5 PPG _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG _____

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

Pump Trucks Used 592 - Kenan Eddy
 Bulk Equip. 544-199 - Ben Wezell
Don Cooper

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type H 20 Amt. 38 1/4 Bbls. Weight _____ PPG _____

Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE _____

CEMENTER Tom Dickson

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>7:20 PM</u>						<u>Plug RH & MH</u>
<u>7:30 PM</u>			<u>8542</u>		<u>5</u>	<u>Start cement</u>
<u>7:51 PM</u>						<u>wash line clean</u>
<u>7:56 PM</u>			<u>38.24</u>		<u>4</u>	<u>Start disp</u>
<u>8:08 PM</u>						<u>Lead Plug</u>
<u>8:30 PM</u>						<u>Finished</u>

DMT Company

Onsite Hydrocarbon Detection

WELL FILE

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: BRADFORD #1
Location: N2 S2 SE SE SECTION 29 23S 23W
License Number: 34317, API# 15-083-21889
Spud Date: 6/28/2013
Surface Coordinates: 400' FROM SOUTH LINE OF SECTION
660' FROM EAST LINE OF SECTION
Bottom Hole Coordinates: 400' FROM SOUTH LINE OF SECTION
660' FROM EAST LINE OF SECTION
Ground Elevation (ft): 2422' K.B. Elevation (ft): 2435'
Logged Interval (ft): 3900' To: 5420' Total Depth (ft): 5420'
Formation: ARBUCKLE
Type of Drilling Fluid: CHEMICAL, ANDY'S MUD
Region: HODGEMAN CO. KS.
Drilling Completed: 7/9/2013
Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: BEREXCO
Address: 2020 NORTH BRAMBLEWOOD
WICHITA, KANSAS 67206
(316) 337-8312

GEOLOGIST

Name: DAVID GOULD (LOGGER)
Company: DMT COMPANY
Address: 532 SUNRISE
PRATT, KANSAS 67124
(620) 388-2847

Comments

CONTRACTOR:
Beredco Rig #2

BIT RECORD:
#1, 12 1/4, RR 0-270'
#2, 7 7/8, SMITH, F12Y, PY2418, 270-4865'
#3, 7 7/8, SMITH, FH143YG, PX9633, 4865-5420'

SURVEYS:
270' 1/2 DEGREE
786' 3/4 DEGREE
1316' 3/4 DEGREE
2479' 3/4 DEGREE
3589' 3/4 DEGREE
4704' 3/4 DEGREE

DAILY STATUS: (6:00 AM)
6/28/2013, SPUD, DRILL TO 101'
6/29/2013, RUN SURFACE PIPE, WOC, DRILL TO 724'

6/30/2013, DRILL TO 1099', LOSS CIR. LOSS 80 BBLs, DRILL TO 2313'
 7/1/2013, DRILL TO 3052'
 7/2/2013, DRILL TO 3603'
 7/3/2013, DRILL TO 4110'
 7/4/2013, DRILL TO 4510'
 7/5/2013, 4704', DST #1
 7/6/2013, DST #1, DRILL TO 4714', DST #2
 7/7/2013, DST#2, DRILL TO 4864, LOG
 7/8/2013, LOGGING, DRILL TO 5215'
 7/9/2013, DRILL TO 5420', LAY DOWN DRILL PIPE
 7/10/2013, RUN 5 1/2 PRODUCTION CASING

Well Name & No.: Bradford #1-29 Company: Berexco Test No.: 1 Interval Tested: 4698 - 4704

Zone Tested: Mississippi Times: 15-30-60-90

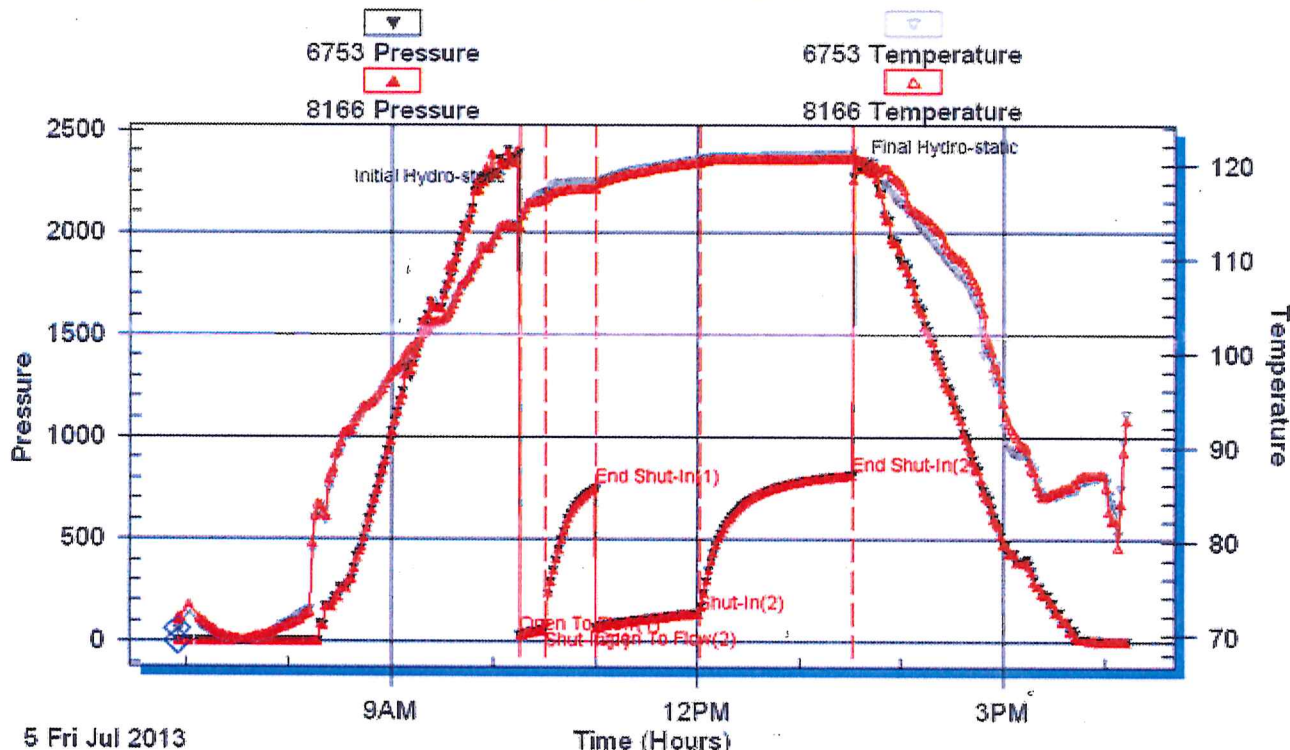
Blow Description: IFP: 3 1/4" Blow ISI: No Blow FFP: BOB in 60 Min. FSI: 3/4" in 30 min. Died in 75 min.

Rec: 180 Feet of GO 25% Gas 75% Oil, 120 Feet of Water 100% Water, 225 Feet of GIP Rec. Total: 300', BHT: 121

Initial Hydrostatic: 2386 First Initial Flow: 35 First Final Flow: 62 Initial Shut-In: 751

Second Initial Flow: 69 Second Final Flow: 138 Final Shut-In: 812 Final Hydrostatic: 2310

Pressure vs. Time



Gauge 6753: Displaying every 3 points.

Well Name & No.: Bradford #1-29 Company: Berexco Test No.: 2 Interval Tested: 4704 - 4714

Zone Tested: Mississippi Times: 15-30-60-90

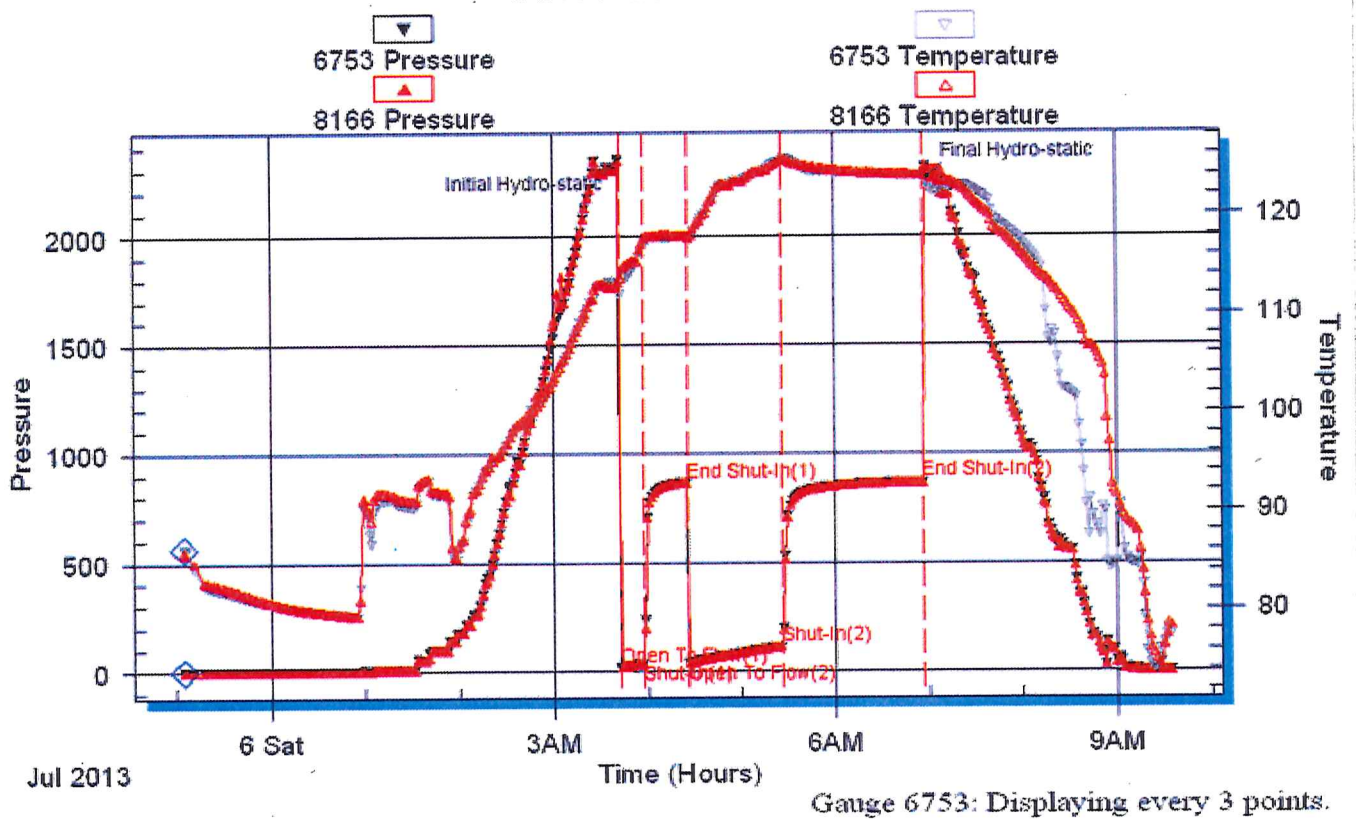
Blow Description: IFP: 11/2" Blow ISI: No Blow FFP: 33/4" Blow FSI: No Blow

Rec: 185 Feet of VSMCW 95 % Water, 5% Mud, 30 Feet of GO 20% Gas, 80% Oil Rec. Total: 215', BHT: 124

Initial Hydrostatic: 2354 First Initial Flow: 20 First Final Flow: 38 Initial Shut-In: 867

Second Initial Flow: 42 Second Final Flow: 114 Final Shut-In: 868 Final Hydrostatic: 2270

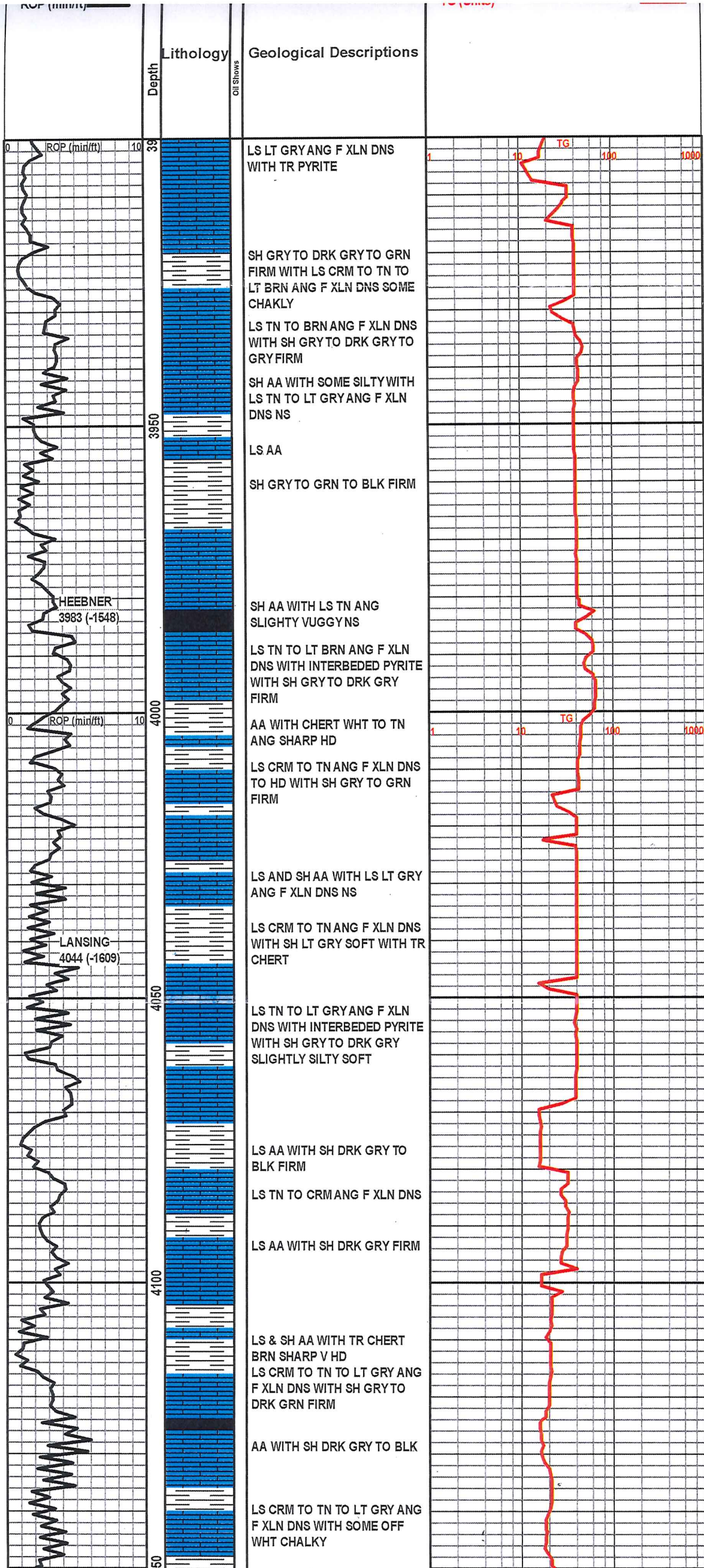
Pressure vs. Time

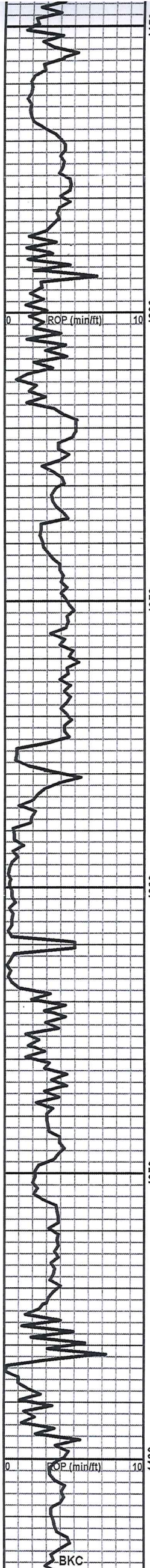


ROCK TYPES

Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Coal	Igne	Salt	Sltst
Brec	Congl	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

Curve Track 1				TG
ROP (min/ft)				TG (Units)





LS AA WITH LS BRN ANG F XLN
DNS WITH SH GRY FIRM

LS CRM TO TN TO OFF WHT
ANG SLIGHTLY CHALKYNS

LS AA WITH SH GRY FIRM

LS CRM AA WITH LS TN ANG
SLIGHTLY DNS WITH V-G PON
POR NS

LS CRM TO TN ANG F XLN DNS
WITH SH GRY TO GRN FIRM

AA WITH SH DRK GRN TO GRY
TO BLK FIRM

LS CRM TO TN ANG F XLN DNS
WITH SOME F-G POR NS

LS AA WITH SOME BEING
CHALKY WITH SH GRY FIRM

LS TN TO BRN ANG F XLN DNS
WITH SH GRY FIRM

LS & SH AA WITH SH GRN FIRM

LS TN ANG F XLN DNS NS WITH
SH LT GRY SOFT TO FIRM

LS & SH AA WITH LS BRN ANG
VUGGY WITH FOSS DNS

LS TN TO LT GRY F XLN FG
OOLICATIC POR NS N FLOR

SH BLK CARB

LS AA WITH LS BRN ANG F XLN
DNS

LS TN TO BRN ANG F XLN DNS
WITH SH GRY TO GRN FIRM
WITH SOME SLIGHTLY SITLY

SH AA WITH SH BLK FIRM

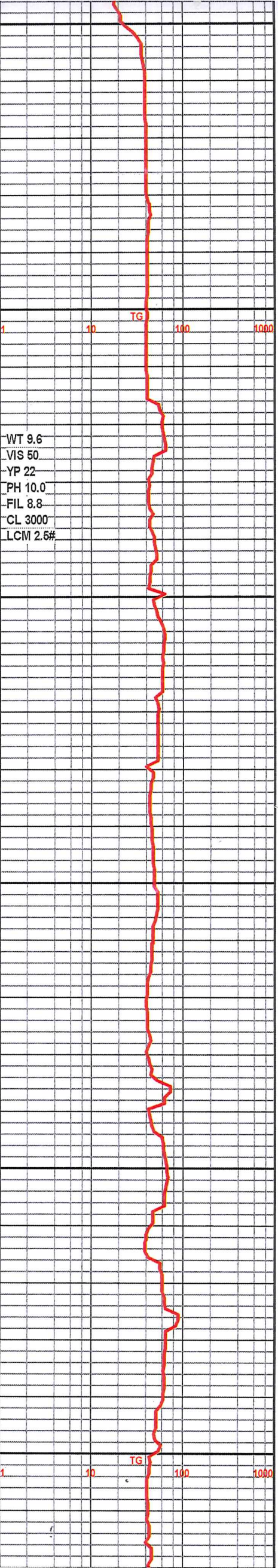
LS BRN ANG F XLN V DNS WITH
INTERBEDED PYRITE WITH SH
GRY FIRM

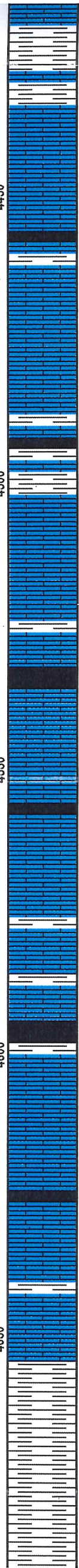
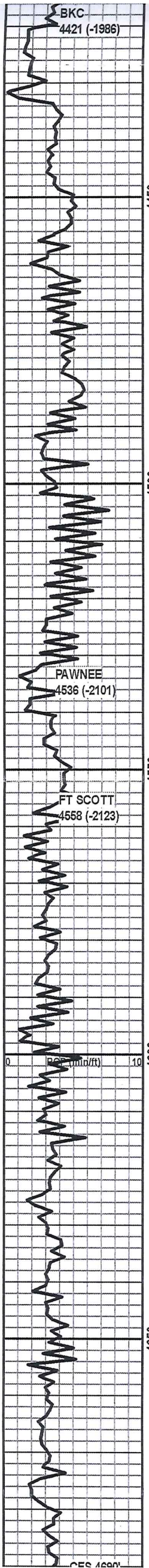
LS TN TO LT GRY ANG F XLN
DNS

LS AA WITH TR CHERT WHT V
DNS

LS AA WITH SH GRY TO GRN
FIRM WITH CHERT DRK GRY TO
BLK SHARP V DNS

LS TN TO BRN TO LT GRY ANG





LS TN TO BRN TO LT GRY ANG
F XLN DNS WITH SH AA

LS CRM TO TN ANG F XLN DNS

SH BLK CARB

LS TN TO BRN ANG F XLN DNS
WITH SH GRY FIRM

LS AA WITH SH DRK GRY TO
BLK FIRM

LS CRM TO TN ANG F XLN DNS
TR PYRITE

LS AA WITH LS BRN ANG DNS

AA WITH SH DRK GRY TO BLK
FIRM

LS TN TO BRN ANG F XLN DNS
WITH LS OFF WHT CHALKY
WITH TR CHERT

SH BLK CARB

LS AA WITH SH DRK GRY TO
GRN TO BLK FIRM

SH BLK CARB

LS AA WITH LS BRN ANG F XLN
SLIGHTLY VUGGY NS

SH BRN TO GRY TO BLK TO
GRN FIRM

SH AA WITH LS BRN ANG
VUGGY F XLN DNS TO HD

MOSTLY SH AA

SH BLK CARB

AA WITH LS TN ANG F XLN DNS

LS BRN TO DRK GRY ANG F
XLN DNS SOME SLIGHTLY
CHAKLY WITH SH AA

SH BLK CARB

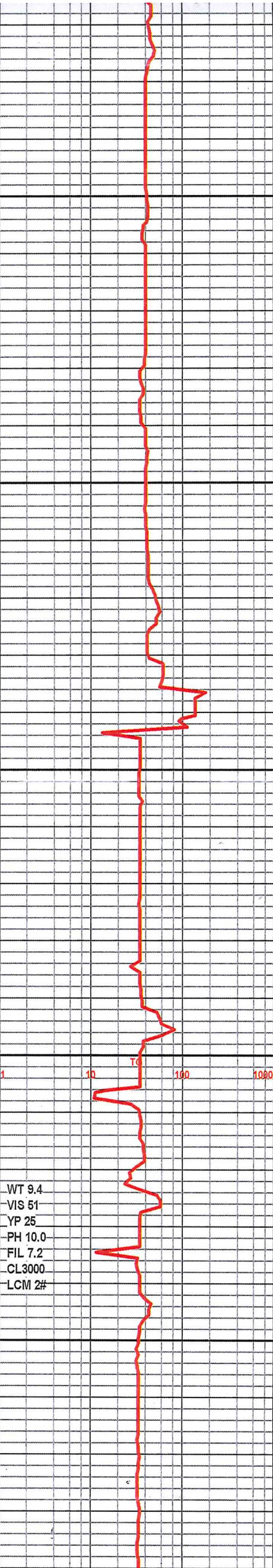
LS CRM TO TN ANG F XLN DNS
WITH SH AA

MOSTLY SH GRY TO BLK TO
GRN FIRM

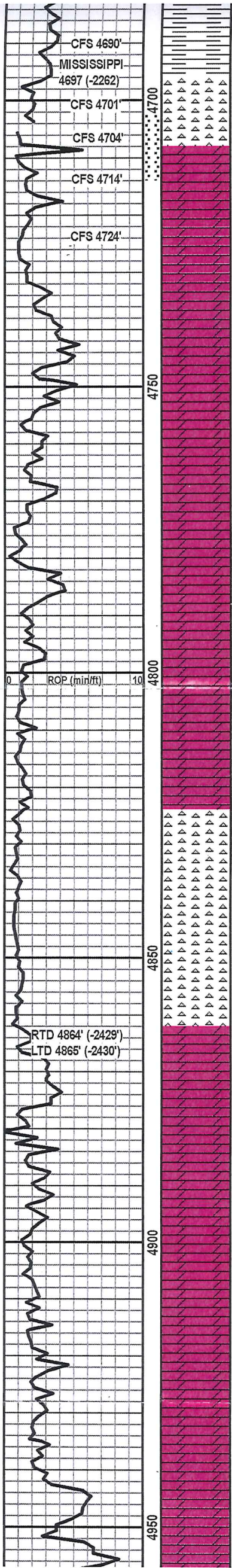
SH AA WITH SOME BEING
SLIGHTLY SILTY

SH GRY TO GRN FIRM WITH
CHERT SHARP WITH PYRITE

SH AA WITH LS TN TO LT BRN
ANG F XLN DNS



WT 9.4
VIS 51
YP 25
PH 10.0
FIL 7.2
CL3000
LCM 2#



SH AA WITH LS TN TO LT BRN ANG F XLN DNS NS

CHERT WHT TO OFF WHT WEATHERED F POR VG BLK STAIN LOTS OF DEAD OIL SOME FREE OIL PAL FLOR G CUT G ODOR WITH DOL TN TO BRN F-M XLN F POR G STAIN FREE OIL G FLOR G CUT G ODOR

DOL LT TN TO LT GRYPANG F XLN F-G POR G STAIN G ODOR FREE OIL G FLOR G CUT

DOL LT TN TO LT GRYPANG F XLN F-G POR SLIGHT OIL STAIN NO FREE OIL

DOL TN TO LT GRYPANG VF TO F XLN F-G POR NO STAIN NS

DOL AA WITH LESS POR & STAIN

DOL TN ANG F XLN P POR NS

DOL LT GRYPANG F XLN DNS ONE PIECE WITH G-VG POR SLIGHT STAIN G SHOW OF FREE OIL G FLOR G CUT

DOL TN ANG F XLN F-G POR NS

DOL TN TO LT GRYPANG F XLN DNS P POR NS

DOL GRYPANG AA WITH CHERT LT TO DRK GRYPANG SHARP V HD

DOL TN TO GRYPANG F XLN DNS WITH SOME G POR NS

DOL AA WITH CHERT WHT TO OFF WHT V HD NS

CHERT WHT TO LT TN TO LT GRYPANG SHARP V HD FRC NS

CHERT AA WITH SOME SLIGHTLY WEATHERED NS

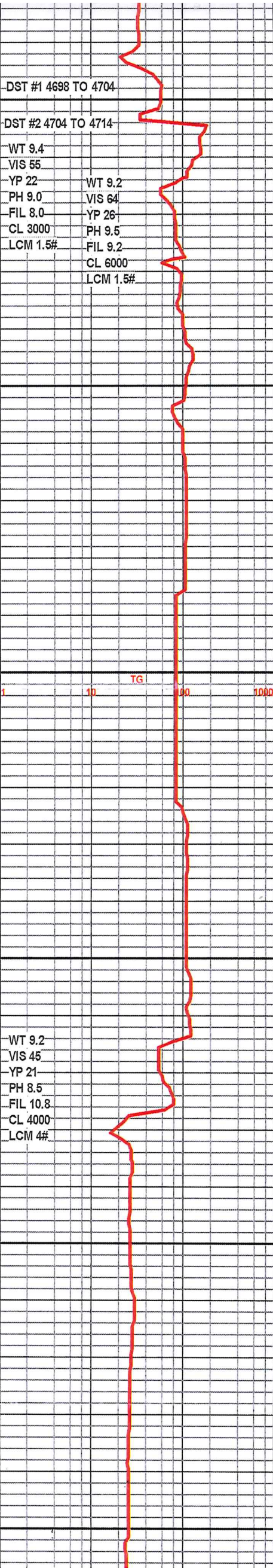
DOL TN ANG F XLN DNS WITH SOME GOOD POR NS WITH CHERT WHT SHARP

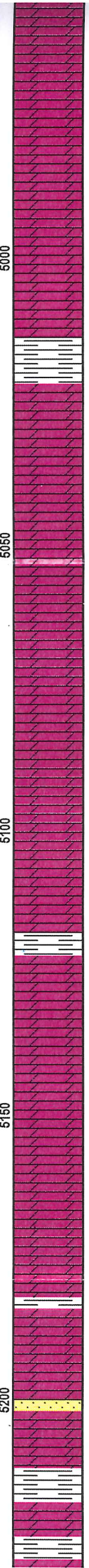
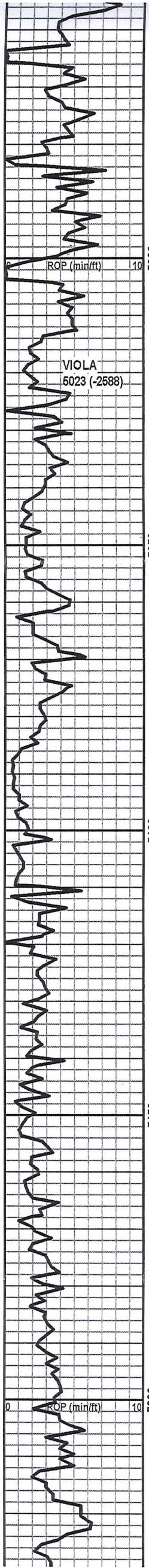
DOL TN TO BRN ANG F XLN DNS WITH CHERT WHT TO LT GRYPANG SHARP

AA WITH LOTS OF CHERT AA

AA WITH DOL WHT TO OFF WHT F XLN DNS F POR NS

DOL TN ANG F XLN DNS WITH CHERT WHT TO OFF WHT SHARP





MOSTLY DOL TN F XLN DNS

AA WITH DOL TN TO BRN LIMLY VUGGYF XLN NS WITH SH GRY TO GRN FIRM

DOL TN ANG F XLN DNS NS

DOL AA WITH SH DRK GRY TO BLK FIRM

DOL BRN ANG F-M XLN DNS WITH SH AA

SH LT GRY TO LT GRN TO BLK FIRM

DOL CRM TO TN ANG F XLN DNS WITH P POR NS WITH CHERT WHT V HD SHARP

DOL AA WITH MORE CHERT SOME TN

AA WITH ONE PICES OF CHERT WHT SHARP WITH OIL STAIN SOME DEAD OIL NO FREE OIL

DOL BRN ANG F-M XLN DNS WITH SOME G-F POR NS

DOL BRN TO TN ANG F-M XLN DNS NS

DOL AA WITH SH DRK GRY TO BLK FIRM

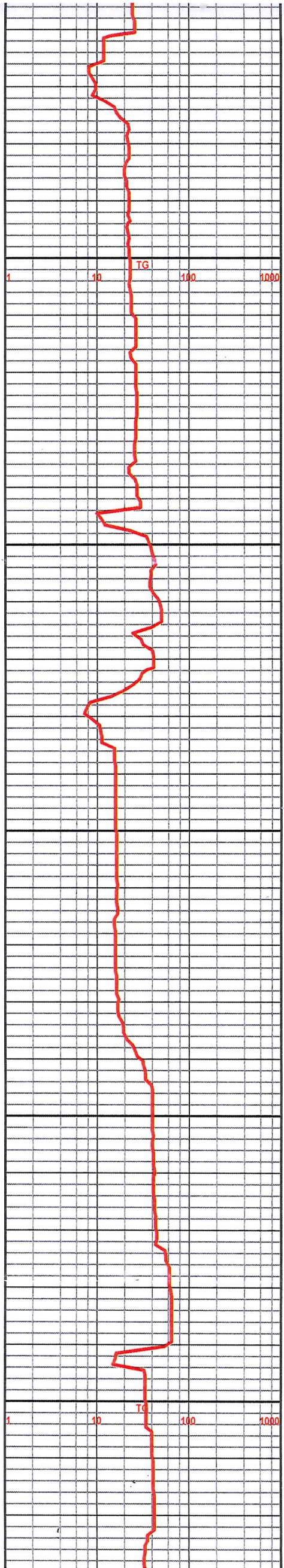
DOL TN ANG F-M XLN DNS NS

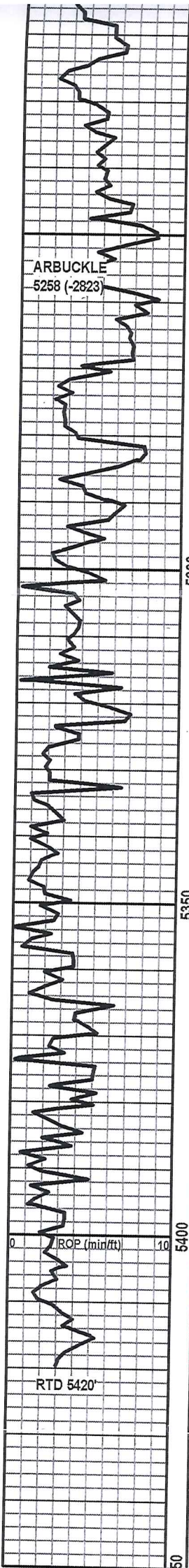
DOL AA WITH TR PYRITE WITH SH GRYGRN TO BLK FIRM

DOL BRN ANG F-M XLN DNS

DOL AA WITH TR SS F-M GR TRANS TO CLEAR TIGHT NS WITH SH DRK GRY TO BLK FIRM

DOL BRN TO DRK BRN ANG F XLN DNS NS WITH SH GRN FIRM





DOL AA WITH DOL TN ANG F-M
XLN DNS WITH SH DRK GRY TO
BLK FIRM

DOL BRN ANG F XLN DNS NS

DOL BRN AA

DOL TN TO BRN ANG F XLN
DNS WITH CHERT TN TO BRN
SHARP

DOL BRN TO LT BRN ANG F-M
XLN DNS SOME F POR NS

DOL TN ANG F-M XLN DNS NS

DOL TN TO LT BRN ANG F-M
XLN DNS SOME F POR NS

DOL AA WITH DOL BRN FXN
DNS TO HD NS

