



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

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



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

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

INSTRUCTIONS: Show important tops 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 <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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ 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 <i>(Amount and Kind of Material Used)</i>	Depth

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Morgan Z1
Doc ID	1061893

Tops

Name	Top	Datum
Topeka	2717	-790
Plattsmouth	2941	-1014
Heebner Sh.	2997	-1070
Toronto	3011	-1084
Douglas Sh.	3025	-1098
Lansing/KC	3100	-1173
Conglomerate	3357	-1430
RTD	3455	-1528

ALLIED CEMENTING CO., LLC. 035776

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell, KS

DATE <u>5-24-11</u>	SEC <u>22</u>	TWP. <u>16</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 am</u>	JOB FINISH <u>7:30 am</u>
LEASE <u>Morgan</u>	WELL # <u>21</u>	LOCATION <u>1 E of Beaver, KS 1 N</u>			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>Finto</u>				

CONTRACTOR Royal Drilling #1
 TYPE OF JOB Surface
 HOLE SIZE 8 5/8 T.D. 436
 CASING SIZE 8 5/8 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.63
 CEMENT LEFT IN CSG. 436.27 total Pipe
 PERFS.
 DISPLACEMENT 25,06 bbl

OWNER
 CEMENT AMOUNT ORDERED 280 cum
322

COMMON	<u>280</u>	@	<u>16.25</u>	<u>4550.00</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>21.25</u>	<u>106.25</u>
CHLORIDE	<u>10</u>	@	<u>58.20</u>	<u>582.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>295</u>	@	<u>2.25</u>	<u>663.75</u>
MILEAGE	<u>11/5k/mile</u>			<u>1038.40</u>
TOTAL				<u>6940.40</u>

EQUIPMENT

PUMP TRUCK CEMENTER Heath
 # 417 HELPER woody
 BULK TRUCK
 # 481 DRIVER mark
 BULK TRUCK
 # DRIVER

REMARKS:

Ran 10 joints of 8 5/8 @ Landing Joint

Cement did Circulate

CHARGE TO: Berexco LLC
 STREET 2020 N Bramblewood
 CITY Wichita STATE KS ZIP 67206

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>1125.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>64</u>	@	<u>7.00</u>	<u>448.00</u>
MANIFOLD		@		
<u>LVR</u>	<u>64</u>	@	<u>4.00</u>	<u>256.00</u>
		@		
TOTAL				<u>1829.00</u>

PLUG & FLOAT EQUIPMENT

<u>Baffle Plate</u>	@		<u>84.00</u>
<u>Rubber plug</u>	@		<u>79.00</u>
	@		
	@		
TOTAL			<u>163.00</u>

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 Doug Budig
 SIGNATURE Doug Budig

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

ALLIED CEMENTING CO., LLC. 039714

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell Ks.

DATE <u>6-1-2011</u>	SEC. <u>22</u>	TWP. <u>16 S</u>	RANGE <u>12W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 AM</u>	JOB FINISH <u>4:30 AM</u>
LEASE <u>MORGAN</u>	WELL # <u>2-1</u>	LOCATION <u>Beaver Ks. 1/2 N 1/4 E T10</u>			COUNTY <u>BARTON</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Royal Dalg. Rig #1
 TYPE OF JOB PRODUCTION STRING 3455 D.T.D.
 HOLE SIZE 7 7/8 T.D. 3454 LTD.
 CASING SIZE 5 1/2 New DEPTH 3453
 TUBING SIZE 14# CSG. DEPTH SET @ 3369
~~DRILL~~ PIPE 8 5/8 SURFACE DEPTH 436
 TOOL LATCH DOWN PLUG ASSY DEPTH
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 84
 CEMENT LEFT IN CSG. 84
 PERFS. _____
 DISPLACEMENT 82.30/BBL
00244

OWNER _____
 CEMENT AMOUNT ORDERED 250 sx Com 2% GEL
10% Salt 5# GILSONITE PER SX
500 GAL-1 WFR-2 MUD FLUSH

COMMON	<u>250</u>	@	<u>16.25</u>	<u>4062.50</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>21.25</u>	<u>106.25</u>
CHLORIDE		@		
ASC		@		
	<u>SALT</u>	<u>21</u>	@	<u>23.95</u>
	<u>Gilsonite</u>	<u>1250</u>	@	<u>1.89</u>
			@	<u>1112.50</u>
	<u>WFR-2</u>	<u>500</u>	@	<u>1.27</u>
			@	<u>635.00</u>
			@	
			@	
HANDLING	<u>281</u>	@	<u>2.25</u>	<u>632.25</u>
MILEAGE	<u>11.56/mile</u>			<u>865.48</u>
				TOTAL <u>7916.93</u>

EQUIPMENT

PUMP TRUCK CEMENTER GIRAN
 # 398 HELPER WOODY
 BULK TRUCK
 # 378 DRIVER TONY
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Ran 85 JT'S New 14# CSG. SET @ 3369
Circulate on Bottom, 30min. Pump
mud-Flush Cement w/ 2.05 sx Com, 10% Salt
2% Gel, 5# Gilsonite per sx. Clear-Line, Release
LATCH-Down Plug, & Displace 82 1/4 BBL. H2O
LAND PLUG @ 1500 #. Release # & Plug Held!
15 sx @ mouse hole
30 sx @ Rathole
THANK'S

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 2225.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE ~~28~~ 56 @ 7.00 392.00
 MANIFOLD _____ @ _____
CUM 56 @ 4.00 224.00
 _____ @ _____
 TOTAL 2841.00

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

PLUG & FLOAT EQUIPMENT

Float Shoe 245.00
LATCH DOWN PLUG ASSY @ _____ 199.00
11-CENTRALIZERS @ 34.00 374.00
1-BASKET @ _____ 236.00
1-STOP RING @ _____ N-C
 _____ @ _____
 TOTAL 1049.00

To Allied Cementing Co., LLC.
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SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____
 SIGNATURE [Signature]



WELL FILE

BEREXCO

Scale 1:240 Imperial

Well Name: MORGAN Z1
 Surface Location: SW NW SE NW 22-16S-12W
 Bottom Location:
 API: 15-009-25543-00-00
 License Number:
 Spud Date: 5/23/2011 Time: 3:30 PM
 Region:
 Drilling Completed: 5/31/2011 Time: 10:56 AM
 Surface Coordinates: 1850 FNL & 1490 FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1922.00ft
 K.B. Elevation: 1927.00ft
 Logged Interval: 400.00ft To: 3454.00ft
 Total Depth: 3455.00ft
 Formation:
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: BEREXCO
 Address: 2020 N. BRAMBLEWOOD STREET
 WICHITA, KS 67206
 Contact Geologist: BRUCE MEYER
 Contact Phone Nbr: (316) 265-3311
 Well Name: MORGAN Z1
 Location: SW NW SE NW 22-16S-12W API: 15-009-25543-00-00
 Pool: Field: KRAFT-PRUSA
 State: Kansas Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -98.6398854 Latitude: 38.6472032
 N/S Co-ord: 1850 FNL
 E/W Co-ord: 1490 FWL

ELEVATIONS

K.B. Elevation: 1927.00ft Ground Elevation: 1922.00ft
 K.B. to Ground: 5.00ft

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8.625 in	436 ft	23#	10	5/24/2011 3:00 PM
Int Casing					
Prod Casing	5.5 in	0.00 ft	14#		

CASING SEQUENCE

Type	Hole Size	Casing Size	At
SURFACE	12.25 in	8.63	436.00 ft
Production	7.88 in	5.50	0.00 ft

LOGGED BY



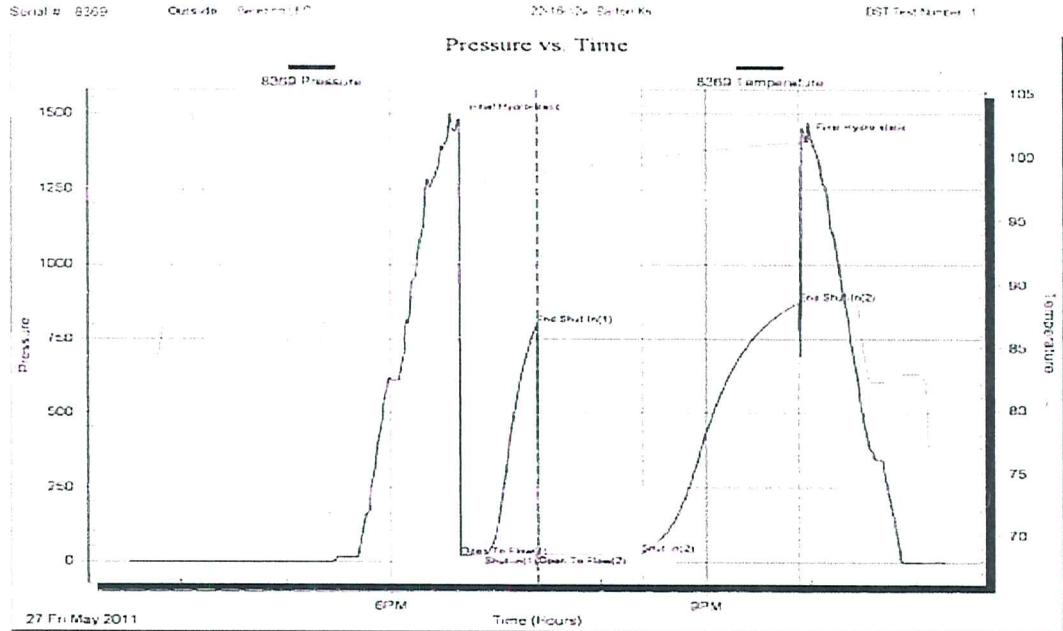
Company: SOLUTIONS CONSULTING
 Address: 108 W 35TH
 HAYS, KS
 67601
 Phone Nbr: (785) 259-3737
 Logged By: Geologist Name: JEFF LAWLER

CONTRACTOR

Contractor: ROYAL DRILLING INC.
 Rig #: 1
 Rig Type: MUD ROTARY
 Spud Date: 5/23/2011
 TD Date: 5/31/2011
 Rig Release: 6/1/2011

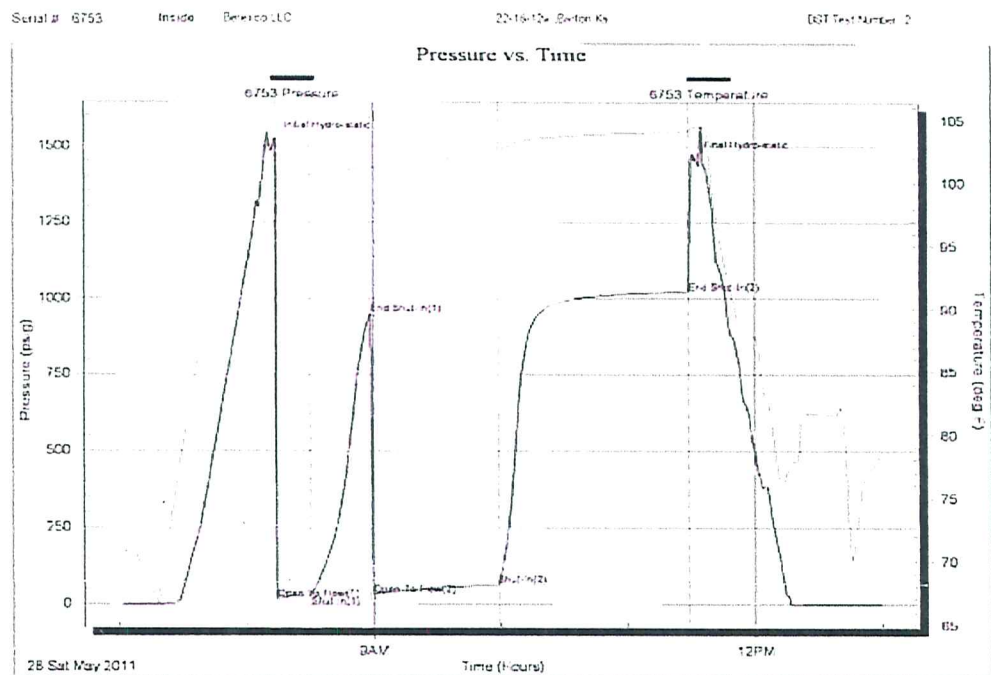
Time: 3:30 PM
 Time: 10:56 AM
 Time: 12:00 AM

DST #1 DOUGLAS_LKC "A" (3023' - 3115') 15-30-60-90

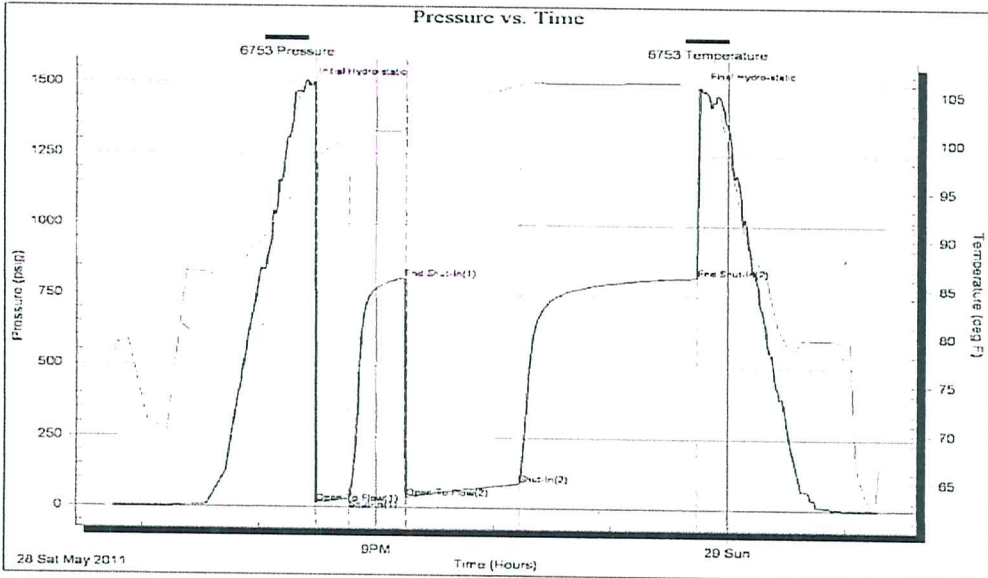


IFP: 19-21#
 FFP: 24-29#
 SIP: 799-873#
 HP: 1474-1409#
 BHT 101°
 REC: 20' VSOCM
 2% O, 98% M

DST #2 LKC "B" "C" (3120' 3155') 15-30-60-90



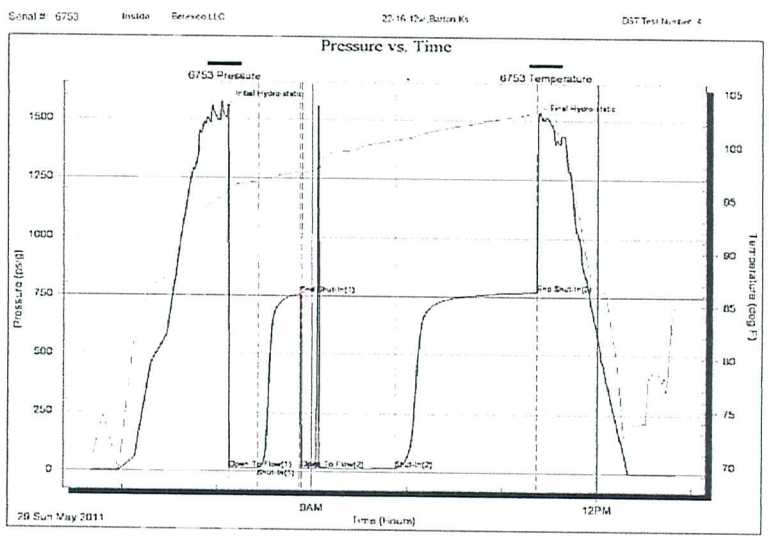
IB: BOB 4 ½ min.,
 NO BLW BK
 SB: BOB IMMEDIATELY
 NO BLW BK
 IFP: 17-30#
 FFP: 31-63#
 SIP: 953-1022#
 HP: 1523-1460'
 BHT: 104°
 REC: 130' FLUID
 70' SGMCO (10%G, 60%O, 30%M)
 60' SGOCM (10%G, 40%O, 50%M)
 1565' GIP



IB: BOB 4 ½ min.
 NO BLW BK
 SB: BOB 4 min.
 3 ½" died to 2"
 IFP: 15-31#
 SFP: 37-87#
 HP: 1492-1486#
 BHT: 106°
 REC: 170' FLUID

10' GO (20% G, 80% O)
 60' SGO CM (10%G, 30%
 40' SGOWCM (10%G, 10%O, 30%W, 50%M)
 60' MCW (70%W, 30%M)
 690' GIP

DST #4 LKC "F" (3188' - 3192') 15-30-60-90

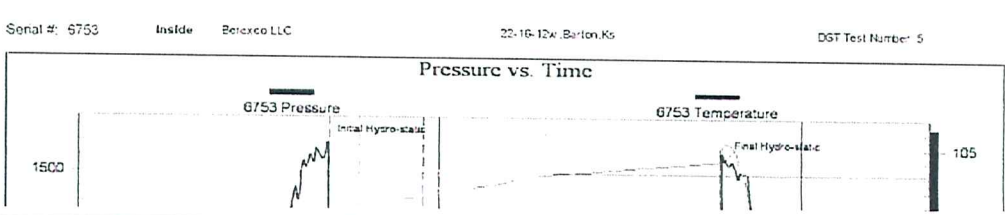


IB: WK SRFC, DIED IN 3 ½ min.
 NO BLW BK
 SB: NO BLW, FLUSHED TOOL, NO BLW
 NO BLW BK

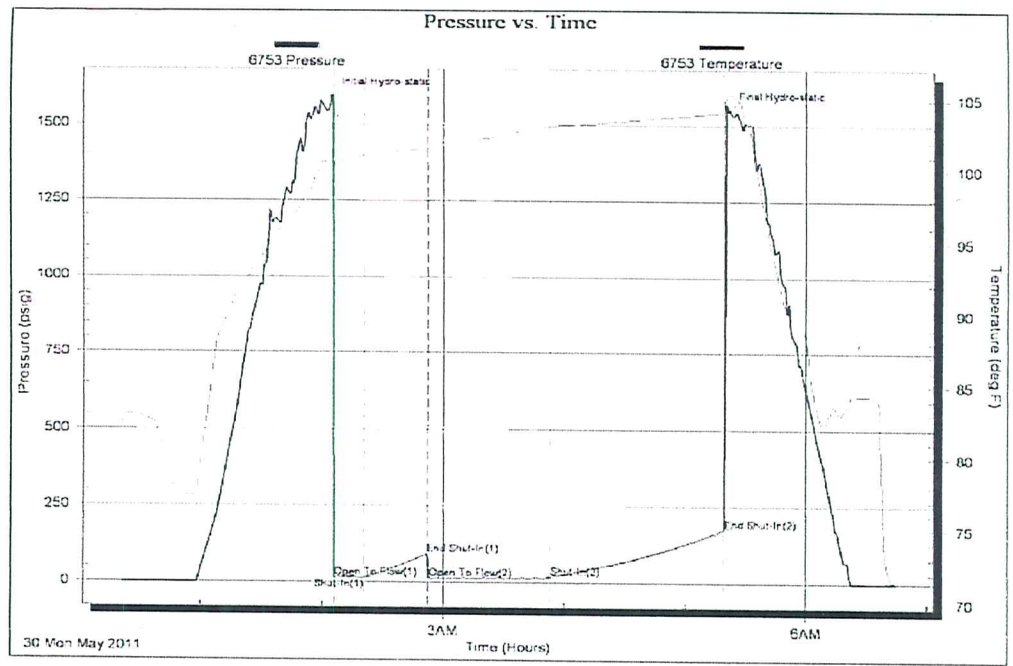
IFP: 10-14#
 FFP: 14-16#
 SIP: 758-1506#
 HP: 1557-1506#
 BHT: 103°

REC: 5' MCW (70% W, 30% M)

DST #5 LKC "I" "J" (3250' - 3286') 15-30-60-90



IB: 1"
 NO BLW BK
 FB: 3"
 NO BLW BK
 IFP: 14-14#
 FFP: 12-19#
 SIP: 91-173#
 HP: 1589 – 1546#
 BHT: 104°



REC: 20' SOCM (15%)

NOTES

DST #6 CONGLOMERATE/ATZ (3325' - 3390') 15-30-60-90

IB: 1", died in 12 min.
 NO BLW BK
 FB: DEAD
 NO BLW BK

IFP: 17-18#
 FFP: 18-28#
 SIP: 68-64#
 HP: 1665 - 1563#
 BHT: 106

REC: 5' OIL SPOTTED MUD

DRILL TIME, SAMPLES & GEOLOGIC SUPERVISION FROM 2700' - TD

RECOMMENDATIONS

5 1/2" Production casing was set for further evaluation. Perforation should be evaluated in all zones with an oil show and positive DST recovery.

Respectively Submitted,
Jeff Lawler

ROCK TYPES

Clystgy	Dolsec	shale, grn	shale, red	Siltst
Congl	Lmst fw<7	shale, gry	Shcol	
Chtcong	Lmst fw7>	Carbon Sh	Ss	

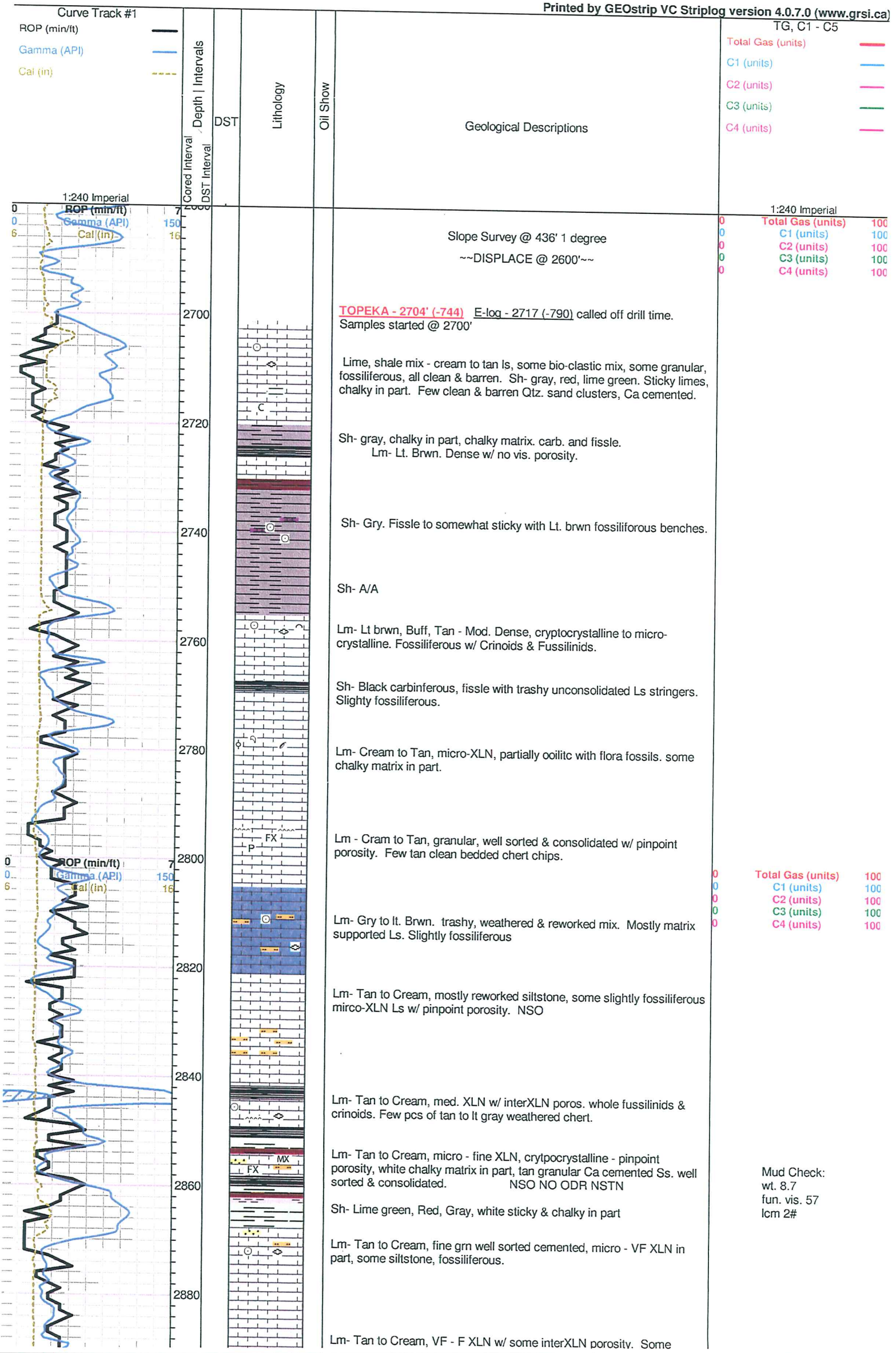
ACCESSORIES

MINERAL	FOSSIL	STRINGER	TEXTURE
<ul style="list-style-type: none"> × Mineral Crystals ≡ Nodules P Pyrite • Silty • Silty Mc Mica ∇ Euhed rhombs of dol or c 	<ul style="list-style-type: none"> ∩ Bioclastic or Fragmental ∩ Coral ∩ Crinoids ∩ Oolite ∩ Pellets ∩ Plant Remains ∩ Oomoldic ∩ Fossiliferous 	<ul style="list-style-type: none"> ~~~~ Chert ▬ Limestone ••• Sandstone ▬ Siltstone ▬ Bentonite ▬ Shale ▬ green shale ▬ red shale 	<ul style="list-style-type: none"> C Chalky CX Cryptocrystalline FX Finexln MX Microxln ∩ Vuggy Porosity

OTHER SYMBOLS

MISC	DST
Daily Report	DST Int
Digital Photo	DST alt
Document	
Folder	

- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt



Slope Survey @ 436' 1 degree
 ~DISPLACE @ 2600'~

TOPEKA - 2704' (-744) E-log - 2717 (-790) called off drill time.
 Samples started @ 2700'

Lime, shale mix - cream to tan ls, some bio-clastic mix, some granular, fossiliferous, all clean & barren. Sh- gray, red, lime green. Sticky limes, chalky in part. Few clean & barren Qtz. sand clusters, Ca cemented.

Sh- gray, chalky in part, chalky matrix. carb. and fissle.
 Lm- Lt. Brwn. Dense w/ no vis. porosity.

Sh- Gry. Fissle to somewhat sticky with Lt. brwn fossiliferous benches.

Sh- A/A

Lm- Lt brwn, Buff, Tan - Mod. Dense, cryptocrystalline to micro-crystalline. Fossiliferous w/ Crinoids & Fussilinids.

Sh- Black carbinferous, fissle with trashy unconsolidated Ls stringers. Slightly fossiliferous.

Lm- Cream to Tan, micro-XLN, partially oilitic with flora fossils. some chalky matrix in part.

Lm - Cream to Tan, granular, well sorted & consolidated w/ pinpoint porosity. Few tan clean bedded chert chips.

Lm- Gry to Lt. Brwn. trashy, weathered & reworked mix. Mostly matrix supported Ls. Slightly fossiliferous

Lm- Tan to Cream, mostly reworked siltstone, some slightly fossiliferous mirco-XLN Ls w/ pinpoint porosity. NSO

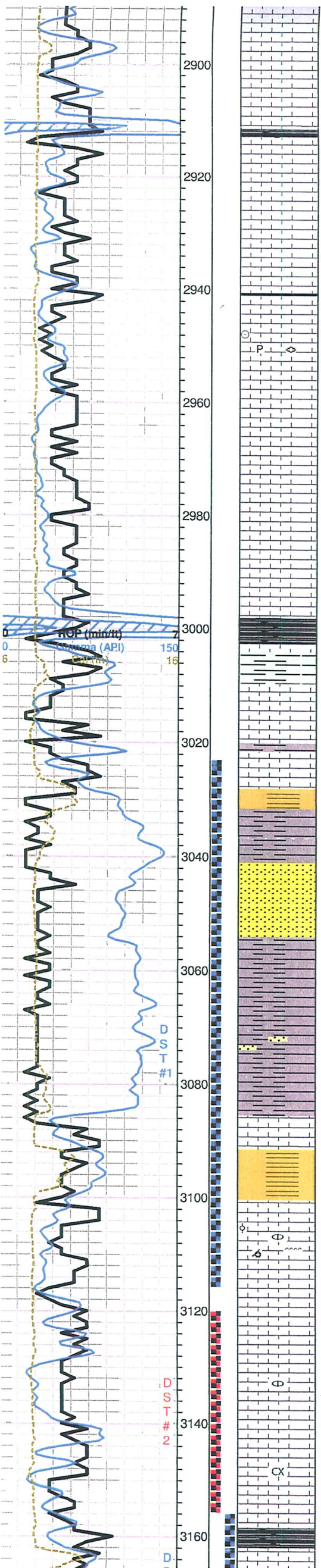
Lm- Tan to Cream, med. XLN w/ interXLN poros. whole fussionids & crinoids. Few pcs of tan to lt gray weathered chert.

Lm- Tan to Cream, micro - fine XLN, cryptocrystalline - pinpoint porosity, white chalky matrix in part, tan granular Ca cemented Ss. well sorted & consolidated. NSO NO ODR NSTN

Sh- Lime green, Red, Gray, white sticky & chalky in part

Lm- Tan to Cream, fine grn well sorted cemented, micro - VF XLN in part, some siltstone, fossiliferous.

Lm- Tan to Cream, VF - F XLN w/ some interXLN porosity. Some



reworked Ls. NO STN NO ODR

Sh- Black Gray Red, Carboniferous, Lime Green chalky lime

Lm- Tan, Cream, & Lt Brwn, mostly weathered & reworked & trashy, Coarse XLN w/ interstitial porosity. few chps of reworked tan & lt brwn chert. NO ODR NSO
1 chp had very faint stain, moderately dense unconsolidated drk.brwn cherty Ls.

Sh- Black fissle carboniferous

PLATSMOUTH- 2946' (-1019) E-log - 2941' (-1014) Tan to Cream, well sorted & consolidated, round med. grain matrix supported Ca cemented, pinpoint porosity, crinoid & fustilind fragments
VRY FNT ODR NSO NSTN

Lm- Tan to Cream, silty to granular, cryptocrystalline, no vis. porosity. Some rounded mature Qtz grains, Ca cemented & well sorted,

Lm- Cream to Off White, clean siltstone to mod. dense w/ fractured & interstitial solution porosity, secondary calcite mineralization by soluitoning. Clean & Barren

HEEBNER- 2998' (-1071) E-log - 2997' (-1070) Sh- Black, Red, Grey, Lime Green, Carboniferous fissle, slick gray's

Sh- Lime Green, Dove Gray Glauconitic Ss.

TORONTO- 3017' (-1090) E-log - 3011' (-1084) Tan to Cream, VF-F XLN, micro - pinpoint porosity. Moderately dense w/ crinoids & flora fossils

DOUGLAS SH- 3029' (-1102) E-log - 3025' (-1098) Lt. Brwn well sorted, round grained Ss.FNT ODR LTGSY ODR few chps w/ FO on crush, small saturated gassy stain

Sh- Gray, Red, Brown w/ Dove Gray Glauconitic Ss

Ss- Lt. Tan, VF grained well sorted & consolidated, poorly cemented w/ good porosity, Lt. Gassy ODR w/ few FO specks on crush, Spotted STN Abundant Gray sticky lime.

Sh- Gray, Abundant sticky lime & gray shale, Dove Gray Glauconitic Ss.

BROWN LIME - 3087' (-1160) E-log - 3085' (-1158) Brown Lime wash

Lm- Lt Brown to Gray to Tan, trashy bio-clastic mix, Coarse XLN w/ fossil fragments

LKC - 3101' (-1174) E-log - 3100' (-1173) Lm- Tan to Cream, Oolimidic, oolitic cherty in part, Some Coars XLN w/ InterXLN & interstitial solution porosity Vuggy Porosity w/ scattered sat. STN. Fnt ODR Lt. Gassy STN. NFO on crush

Lm- Tan to Cream, Coarse XLN, poorly developed & mod. dense

Lm- Gry to Black, weathered mix, some fossil fragments, few pcs. of gray speckled chert. Cryptocrystalline, no vis. porosity. NSO NODR

Lm- Cream, oolitic, vuggy porosity partially innerconnected. Moderate to decent development. STRNG VRY LT GSY ODR, chps FO on crush, 2 chps. bleeding O on crush, VRY LT GSY O

Lm- Cream to Tan, VFXLN, cryptocrystalline-microXLN, well sorted, mod. dense, chps of var. color chert. 2 Ls chips w/ interconnected vugs with secondary mineralization, Lt. STN NFO Lt ODR

Sh- Abundant Black, Red, Brown, Lime Green

CFS 20 min. VRY FNT
ODR 40 min. NO
ODR

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

DST #1 3023' - 3115'

DST1.pdf

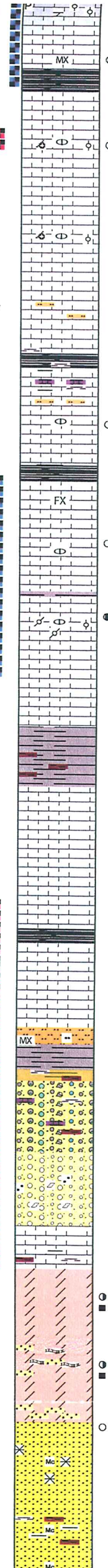
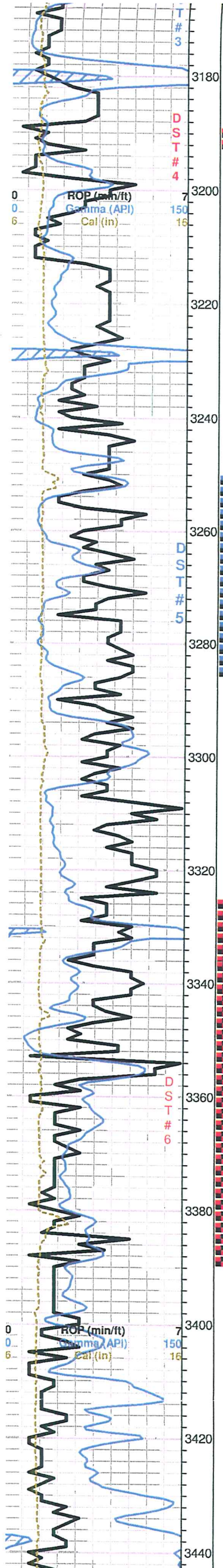
Mud Check: @ 3102'
Wt. 9 Fun. Vis. 53
Plast. Vis. 24 Yld. 11
WL 8.8 Chlor. 2000
LCM 1.5#
Daily Mud Cost: \$5144.85

STRAP @3115'
BOARD 3137.13
STRAP 3135.41
1.72 Shallow

DST #2 3120' - 3155'
LKC 'B' & 'C'

DST2.pdf

CFS
Mud Check: @ 3155'
Wt. 9.3
Fun. Vis. 46
Plast. Vis. 20
Yld. 9
WL 8.8
Chlor. 5000
Daily \$ N/A
Cum \$ 5144.85



Lm- Gray Black Tan, Trashy clastic unconsolidated mix, bio-clastic in some, oolitic and some partially dense oolitic NSO NODR NO STN

Lm- Tan to Off White, VF grained, well sorted & consolidated w/ PPT to small vuggy porosity. Lt GSY STN & ODR, gas dissolves upon crush. Chps of oolitic chert.

Lm- Cream to Off white, Oolitic to oolimoldic, PPT to vuggy porosity, FR ODR, scattered sat. STN to LT. GSY STN, Few oolimoldic chps. FO on crush, stringy live oil

Lm- Off White to Tan, Oolimoldic oolitic. Vuggy porosity with interstitial recrystallization & solution secondary mineralization. NSO NODR NO STN

Lm- Drk Tan to Lt. Gray, mostly dense cryptocrystalline, some w/ VFXLN. Some white siltstone to chalky. NODR NSO NO STN

Sh- Red Gray Lime Green, Fissile, Dull

Sh- Black Carboniferous & Fissile

Lm- Off White to Tan, Oolitic to oolimoldic, vuggy porosity, M-F XLN, Tan- mod. dense, no vis. porosity. LT GSY ODR, NFO, VRY FNT golden STN in 1 or 2 chps.

Lm- Tan to Off White, Oolitic - oolitic to Med. & Fine XLN, vuggy porosity to mod. dense, poorly developed w/ partial innerXLN porosity. NODR, NSO NO STN

Sh- Black Carboniferous

Lm- White to Tan, Coarse XLN, PPT - Vuggy porosity w/ some interstitial recrystallization, LT GSY STN ODR SCTRD FO

Lm- Off White to Tan, Oolitic pesolitic, vuggy porosity with interXLN secondary mineralization, GSY ODR Lt. scattered saturated STN FO on a few chps.

Lm- Tan to Lt. Gray, F-Crse XLN, mostly dense w/ some XLN porosity. NO ODR NO STN NFO

Sh- Gray Maroon, mostly dull, sticky, Chalky white matrix in part

Lm- Tan, Cream, Lt. Brwn, poor dev., some innerXLN poros., some granular reworked, FNT ODR, NSO,

Lm- Tan Lt Gry, microXLN w/ no vis. poros. clean & barren.

Sh- Black Lm. Green Gry White Chalky Matrix,

Lm- Off White - Tan, Crypto-Micro XLN, no vis. poros., Tight, Clean & Barren

Lm- Off White to Tan, mostly consolidated, silty grainy, some partially granular, Clean & Barren NO ODR

Sh- Brown Gray Lm. Green, Red Wash, Gray sticky lime matrix.

Conglomerate/QTZ- E-log 3357' (-1430) Conglomerate mix, Red, Salmon, Translucent oolitic cherty mix, Weathered granular nodules. Ls, Off White, VF XLN. Sh stringers,

QTZ- Red arkosic granular dolomitic, Sandy quartzose chert. Various color chert. Round-Subrounded cemented Qtz clusters. Individual rounded to subrounded cloudy (drusy) Qtz grains. NODR NSTN

Cong. Mix - A/A, oolitic chert, micaous fissile 3390' (60 min.)

Lm & Sh- Off White to Tan, FXLN
Sh- Black Red Lime Green Gray, NO STN NO ODR

Dol.- White, Fine grained, well-sorted & consolidated, fresh bedded, var. color Sh. stringers. Lt. Gsy ODR, Scrd. Sat. STN. STRM WT CUT

Dol. - A/A w/ coarse grained QTZ clusters. ODR, STN, FLOR.

QTZ -Ss- more abundant Ylw. CRS & FN grnd. Qtz., clusters ind. grains, rounded to ephedral. Muscovite & Mica, Friable, FNT ODR, Lt. STN.

QTZ- Ss. - A/A NODR NO STN NO CUT

Sh- Stringers of Black Red Brwn NO STN NO ODR NO CUT

DST #3 3156'-3181'
LKC 'D' & 'C'

DST3.pdf

MUD CHECK: Wt. 8.9 Vis. 48

DST #4 3188'-3192'

DST4.pdf

MUD CHECK: @ 3192'

Wt. 9.1 Fun. Vis. 48
Plast. Vis. 22 Yld. 10
WL 9.6 Chlor. 6000
LCM 1#
Daily \$174.25
Cum. \$5319.10

DST #5 3250'-3286'
LKC 'I' & 'J'

DST5.pdf

CF
S

CFS

MUD CHECK @ 3286
WT 9.2 Fun. Vis. 56
Plast. Vis. 26 pH 9.5
WL 9.2 Chlor. 8000
LCM 2#
Daily \$ 1289.00
Cum. \$ 6608.10

DST #6 3325'-3390'
LKC "L" & CONG/ QTZ.

DST6.pdf

CFS

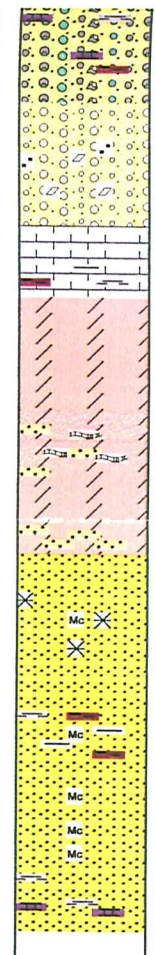
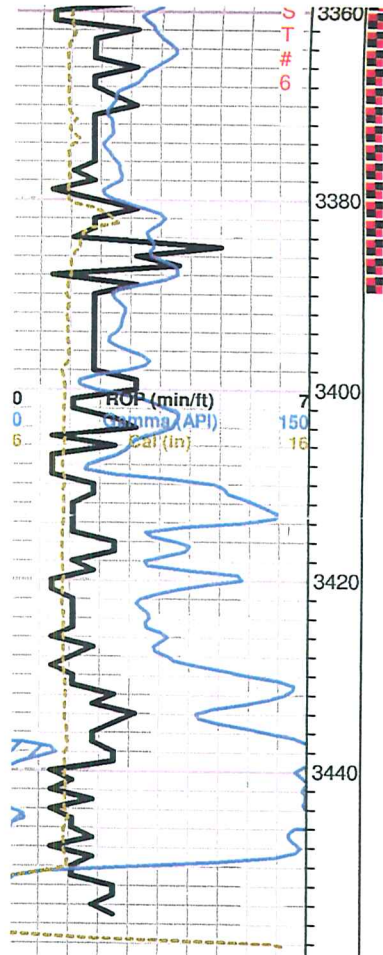
CFS

CFS

CFS

CFS

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Conglomerate/QTZ - E-log 3357' (-1430) Conglomerate mix, Red, Salmon, Translucent oolitic cherty mix, Weathered granular nodules. Ls, Off White, VF XLN. Sh stringers,

QTZ- Red arkosic granular dolomitic, Sandy quartzose chert. Various color chert. Round-Subrounded cemented Qtz clusters. Individual rounded to subrounded cloudy (drusy) Qtz grains. NODR NSTN

Cong. Mix - A/A, oolitic chert, micaous fissle 3390' (60 min.)

Lm & Sh- Off White to Tan, FXLN
Sh- Black Red Lime Green Gray, NO STN NO ODR

○ Dol. - White, Fine grained, well-sorted & consolidated, fresh bedded, var. color Sh. stringers. Lt. Gsy ODR, Scrd. Sat. STN. STRM WT CUT

○ Dol. - A/A w/ coarse grained QTZ clusters. ODR, STN, FLOR.

○ QTZ - Ss- more abundant Ylw. CRS & FN grnd. Qtz., clusters ind. grains, rounded to ephedral. Muscovite & Mica, Friable, FNT ODR, Lt. STN.

QTZ - Ss. - A/A NODR NO STN NO CUT

Sh- Stringers of Black Red Brwn NO STN NO ODR NO CUT

QTZ-Ss. - Yellow Salmon Drusy Clear, Ind. grains & clusters, muscovite sheets, very friable NO STN NO ODR NO CUT

TD @ 10:56 May 31, 2011 3455' (-1528)
SLOPE SURVEY = 1 degree

CFS		
CFS		
CFS		
CFS		
0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
MUD CHECK @ 3450'		
WT. 9.3	Fun. Vis. 53	
Plast. Vis. 24	Yld. 25	
pH 9.6	WL 9.6	
Daily \$1265.80	Cum. \$7873.90	



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN:

Morgan Z1
22-16-12w, Barton, Ks
Job Ticket: 42748 **DST#: 1**
Test Start: 2011.05.27 @ 15:30:12

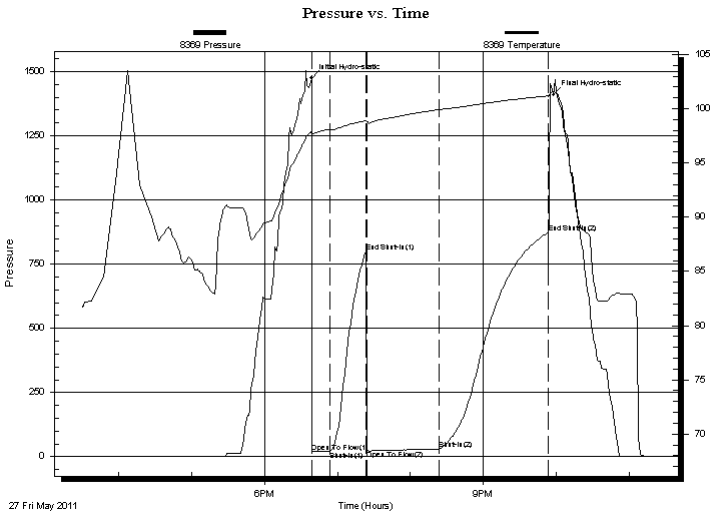
GENERAL INFORMATION:

Formation: **Douglas, KC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:39:12
 Time Test Ended: 23:16:42
 Interval: **3023.00 ft (KB) To 3115.00 ft (KB) (TVD)**
 Total Depth: 3115.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Brett Dickinson
 Unit No: 47
 Reference Elevations: 1927.00 ft (KB)
 1919.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8369 Outside
 Press @ Run Depth: 28.87 psig @ 3028.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.05.27 End Date: 2011.05.27 Last Calib.: 2011.05.27
 Start Time: 15:30:17 End Time: 23:16:41 Time On Btm: 2011.05.27 @ 18:38:42
 Time Off Btm: 2011.05.27 @ 21:57:42

TEST COMMENT: IF-3/4in blow
 IS- No blow
 FF-1/2in blow
 FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1474.36	97.96	Initial Hydro-static
1	19.03	97.61	Open To Flow (1)
15	21.20	98.05	Shut-In(1)
45	798.84	98.90	End Shut-In(1)
46	23.69	98.76	Open To Flow (2)
105	28.87	99.90	Shut-In(2)
195	872.87	101.18	End Shut-In(2)
199	1408.80	101.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	V/SOCM 2%O 98%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN:

Morgan Z1
22-16-12w, Barton, Ks
Job Ticket: 42748 **DST#: 1**
Test Start: 2011.05.27 @ 15:30:12

Mud and Cushion Information

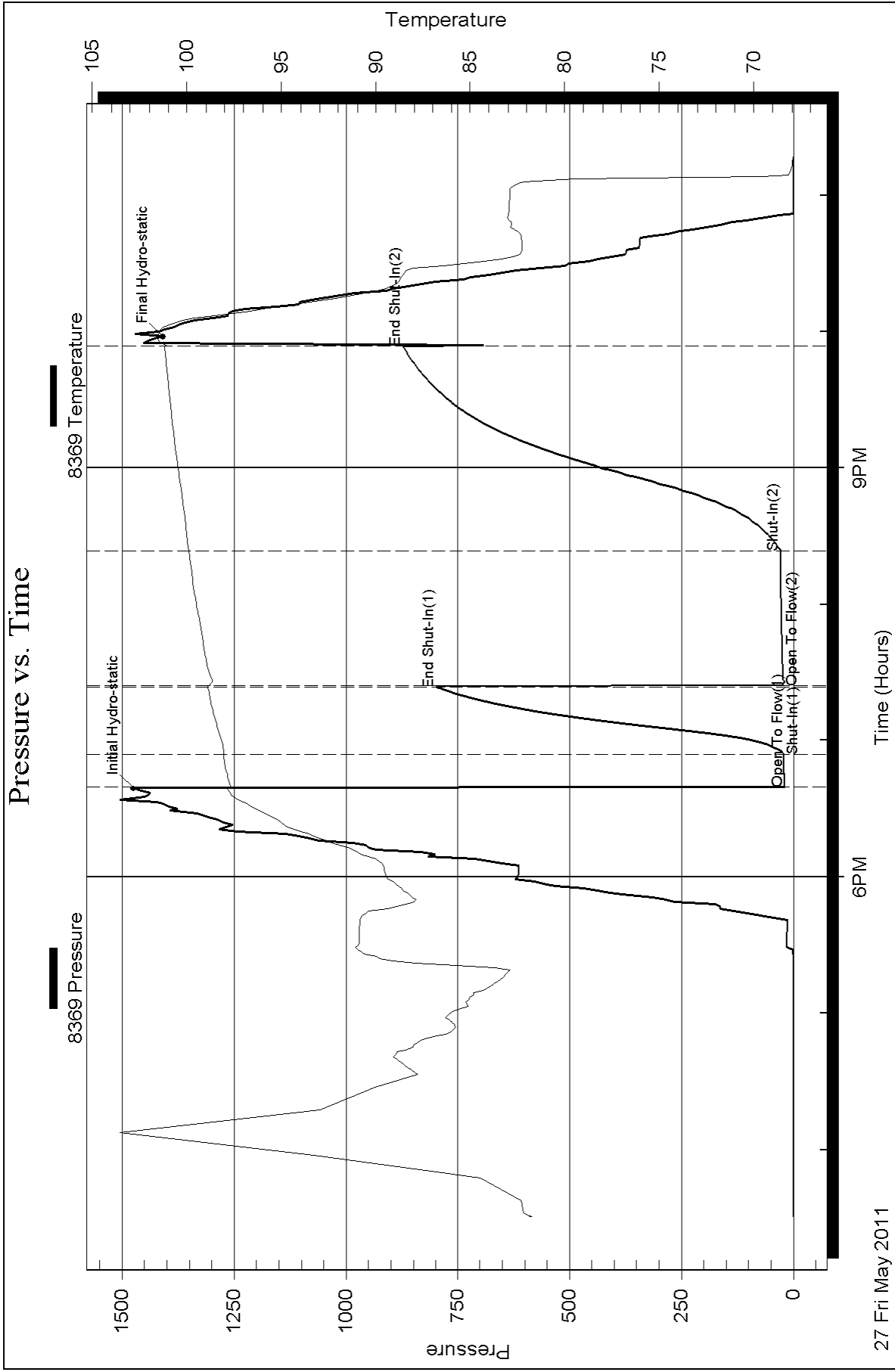
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	VSOCM 2%O 98%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN:

Morgan Z1
22-16-12w, Barton, Ks
Job Ticket: 42749 **DST#: 2**
Test Start: 2011.05.28 @ 07:01:18

GENERAL INFORMATION:

Formation: **KC "B,C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:14:18
Time Test Ended: 12:59:48
Interval: **3120.00 ft (KB) To 3155.00 ft (KB) (TVD)**
Total Depth: 3155.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Brett Dickinson
Unit No: 47
Reference Elevations: 1927.00 ft (KB)
1919.00 ft (CF)
KB to GR/CF: 8.00 ft

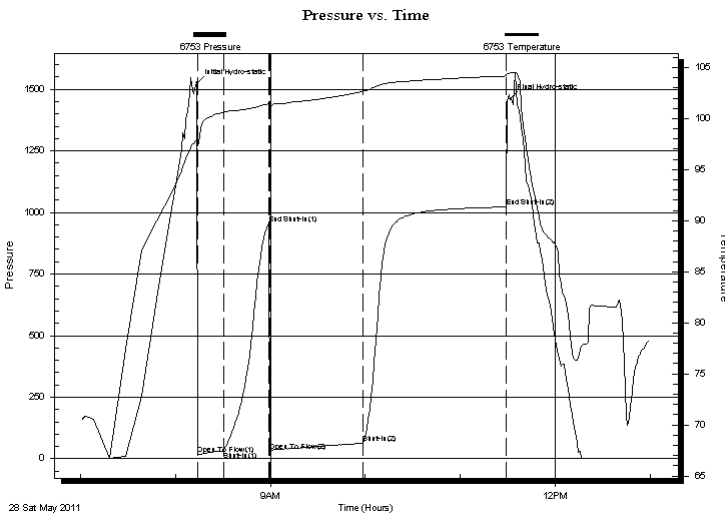
Serial #: 6753

Inside

Press @ Run Depth: 63.32 psig @ 3125.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.05.28 End Date: 2011.05.28 Last Calib.: 2011.05.28
Start Time: 07:01:23 End Time: 12:59:47 Time On Btm: 2011.05.28 @ 08:13:48
Time Off Btm: 2011.05.28 @ 11:31:48

TEST COMMENT: IF-BOB in 4.5min
ISI-No blow
FF-BOB immediately
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1523.09	97.84	Initial Hydro-static
1	16.74	97.39	Open To Flow (1)
17	30.29	100.61	Shut-In(1)
45	953.37	101.42	End Shut-In(1)
46	30.59	101.12	Open To Flow (2)
105	63.32	102.67	Shut-In(2)
195	1022.08	104.17	End Shut-In(2)
198	1460.08	104.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	SGOCM 10%G 30%M 60%O	0.98
60.00	SGOCM 10%G 50%M 40%O	0.84
0.00	1575ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN:

Morgan Z1
22-16-12w, Barton, Ks
Job Ticket: 42749 **DST#: 2**
Test Start: 2011.05.28 @ 07:01:18

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:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

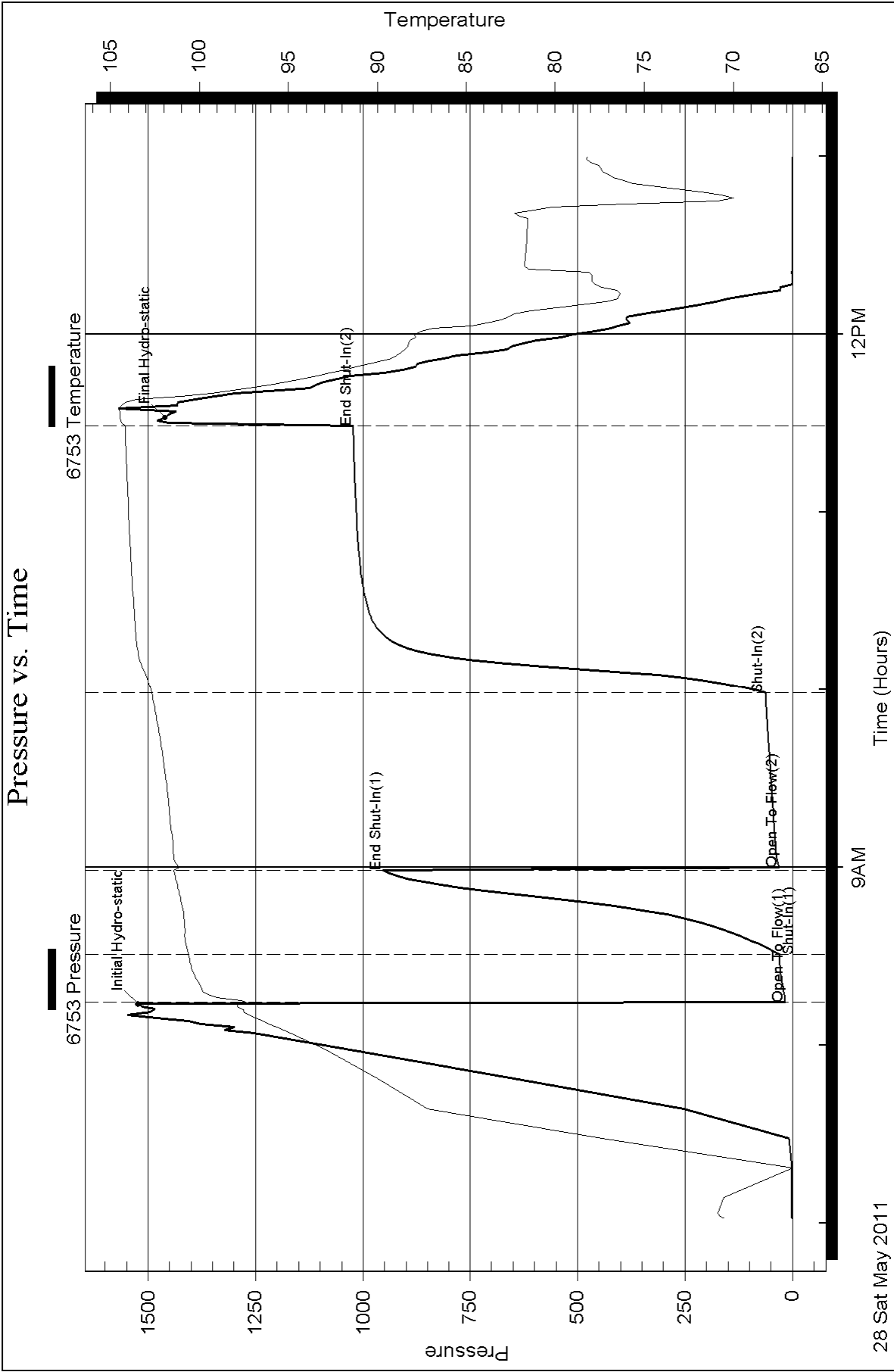
Length ft	Description	Volume bbl
70.00	SGOCM 10%G 30%M 60%O	0.982
60.00	SGOCM 10%G 50%M 40%O	0.842
0.00	1575ft GIP	0.000

Total Length: 130.00 ft Total Volume: 1.824 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN:

Morgan Z1
22-16-12w, Barton, Ks
Job Ticket: 42750 **DST#: 3**
Test Start: 2011.05.28 @ 18:45:42

GENERAL INFORMATION:

Formation: **KC"D,E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:29:12
Time Test Ended: 01:17:12
Interval: **3156.00 ft (KB) To 3181.00 ft (KB) (TVD)**
Total Depth: 3181.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Brett Dickinson
Unit No: 47
Reference Elevations: 1927.00 ft (KB)
1919.00 ft (CF)
KB to GR/CF: 8.00 ft

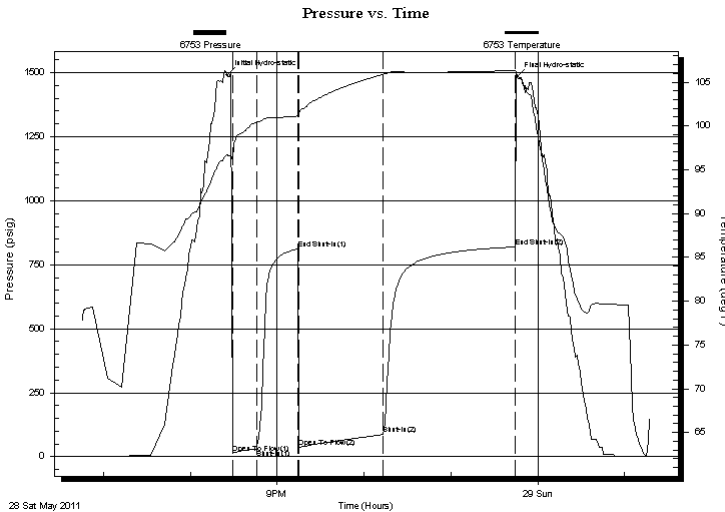
Serial #: 6753

Inside

Press @ Run Depth: 87.08 psig @ 3159.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.05.28 End Date: 2011.05.29 Last Calib.: 2011.05.29
Start Time: 18:45:47 End Time: 01:17:11 Time On Btm: 2011.05.28 @ 20:25:42
Time Off Btm: 2011.05.28 @ 23:45:42

TEST COMMENT: IF-BOB in 9.5min
ISI-No blow
FF-BOB in 4min
FSI-3.5in blow died back to 2in

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1492.08	96.66	Initial Hydro-static
4	15.19	96.00	Open To Flow (1)
20	30.74	100.40	Shut-In(1)
49	812.31	101.11	End Shut-In(1)
50	37.07	101.47	Open To Flow (2)
108	87.08	105.87	Shut-In(2)
199	819.97	106.33	End Shut-In(2)
200	1485.67	105.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	GO 20%G 80%O	0.14
60.00	SGOCM 10%G 30%O 60%M	0.84
40.00	SGOWCM 10%G 10%O 30%W 50%M	0.56
60.00	MCW 70%W 30%M	0.84
0.00	690ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN:

Morgan Z1
22-16-12w, Barton, Ks
Job Ticket: 42750 **DST#: 3**
Test Start: 2011.05.28 @ 18:45:42

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: 72000 ppm	
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	GO 20%G 80%O	0.140
60.00	SGOCM 10%G 30%O 60%M	0.842
40.00	SGOWCM 10%G 10%O 30%W 50%M	0.561
60.00	MCW 70%W 30%M	0.842
0.00	690ft GIP	0.000

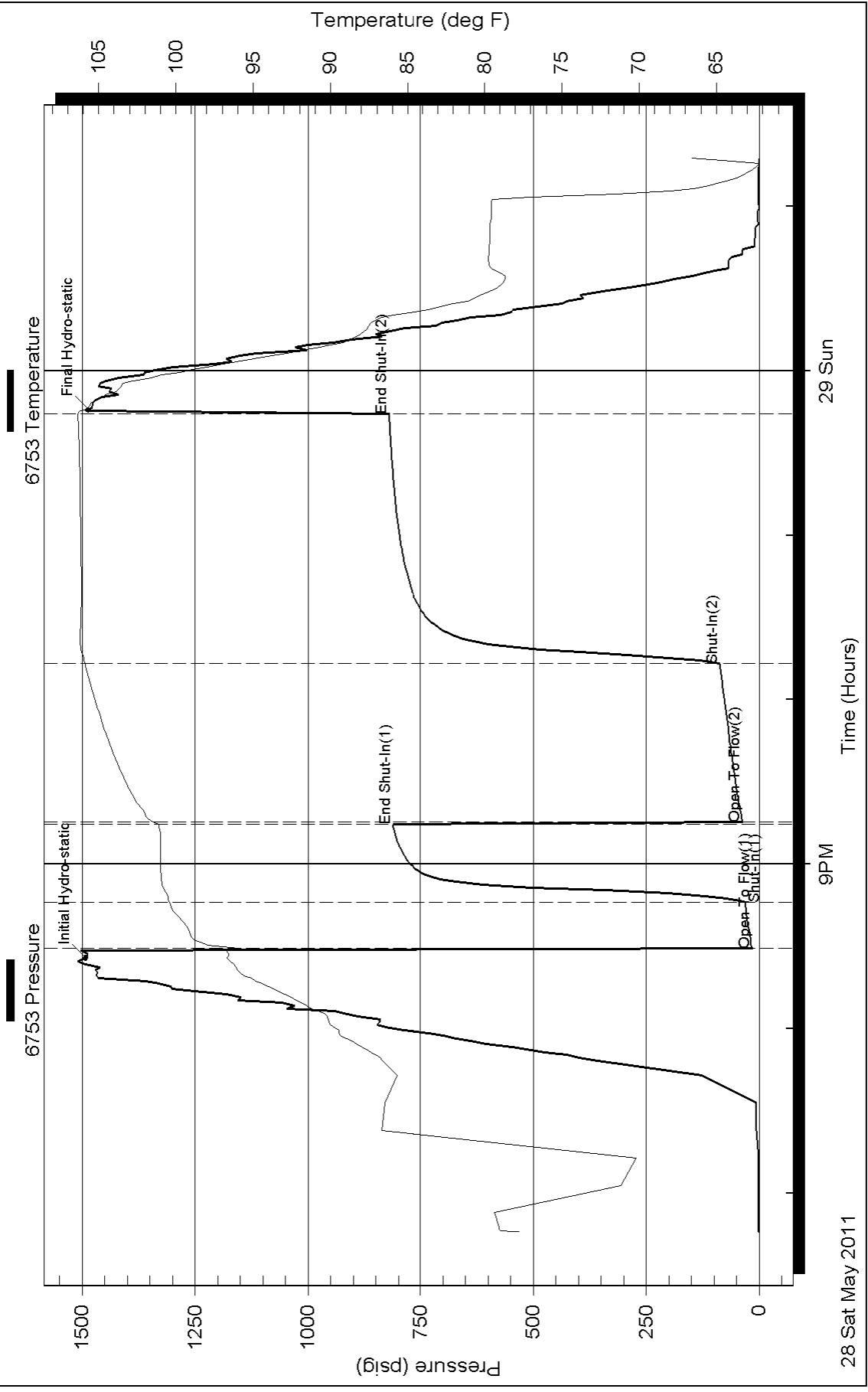
Total Length: 170.00 ft Total Volume: 2.385 bbl

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:

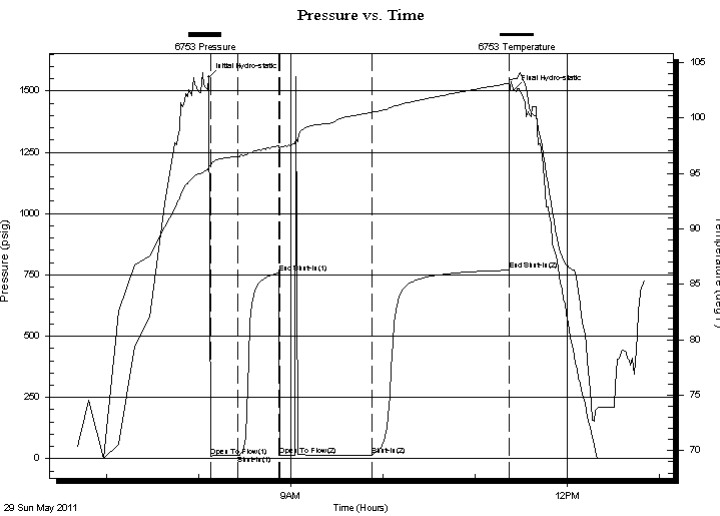
Morgan Z1
22-16-12w, Barton, Ks
 Job Ticket: 34329 **DST#: 4**
 Test Start: 2011.05.29 @ 06:40:56

GENERAL INFORMATION:

Formation: **KC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:07:26
 Time Test Ended: 12:50:56
 Interval: **3188.00 ft (KB) To 3192.00 ft (KB) (TVD)**
 Total Depth: 3192.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Brett Dickinson
 Unit No: 47
 Reference Elevations: 1927.00 ft (KB)
 1919.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6753 Inside
 Press @ Run Depth: 15.79 psig @ 3189.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.05.29 End Date: 2011.05.29 Last Calib.: 2011.05.29
 Start Time: 06:41:01 End Time: 12:50:55 Time On Btm: 2011.05.29 @ 08:06:26
 Time Off Btm: 2011.05.29 @ 11:25:26

TEST COMMENT: IF-weak surface blow died in 3.5min
 IS-No blow
 FF-No blow
 FS-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1556.58	95.61	Initial Hydro-static
1	10.66	95.68	Open To Flow (1)
19	13.51	96.51	Shut-In(1)
46	757.77	97.52	End Shut-In(1)
47	13.91	97.24	Open To Flow (2)
106	15.79	100.49	Shut-In(2)
196	769.05	103.11	End Shut-In(2)
199	1505.85	103.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MCW	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN:

Morgan Z1
22-16-12w, Barton, Ks
Job Ticket: 34329 **DST#: 4**
Test Start: 2011.05.29 @ 06:40:56

Mud and Cushion Information

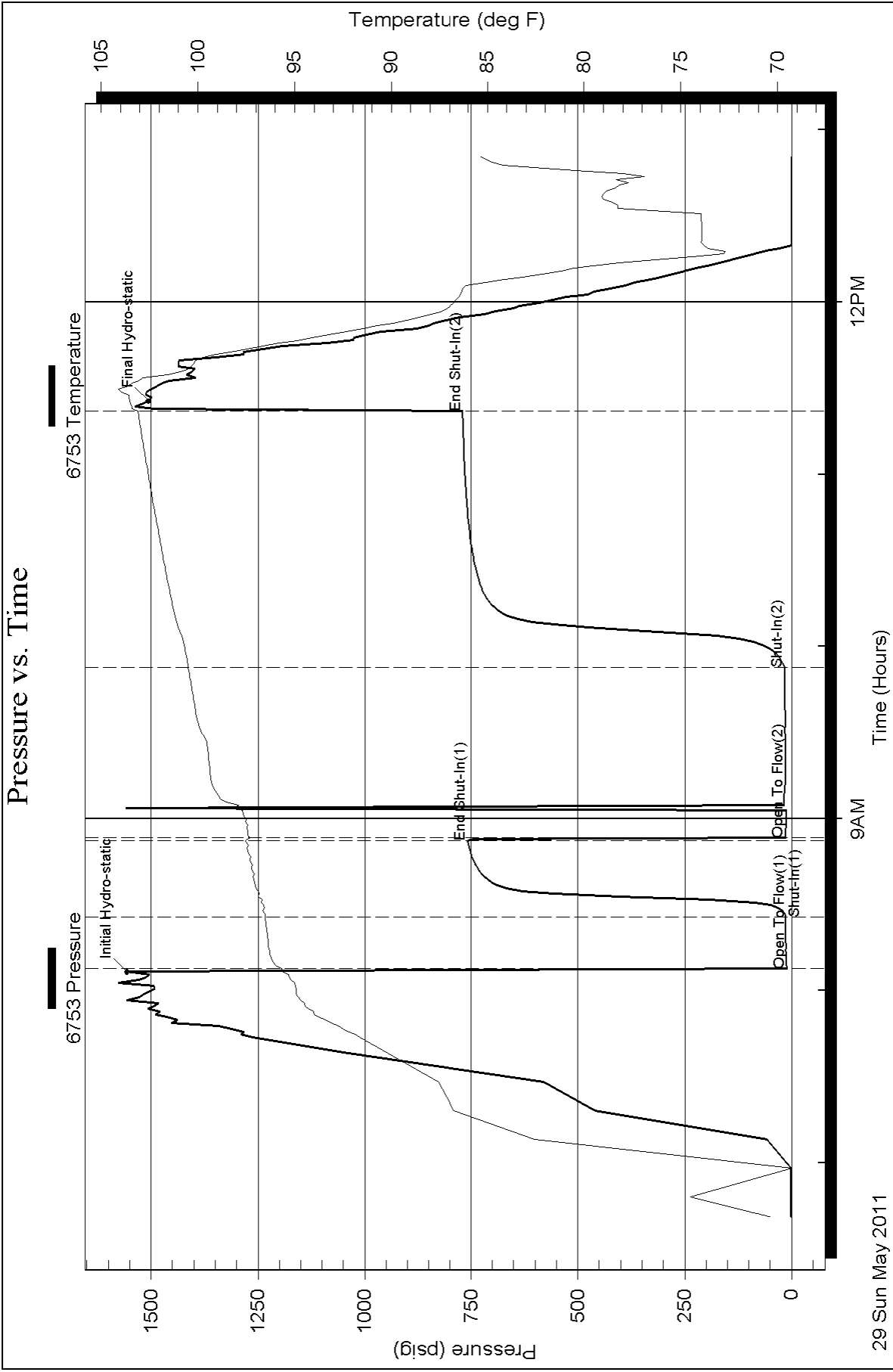
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MCW	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN:

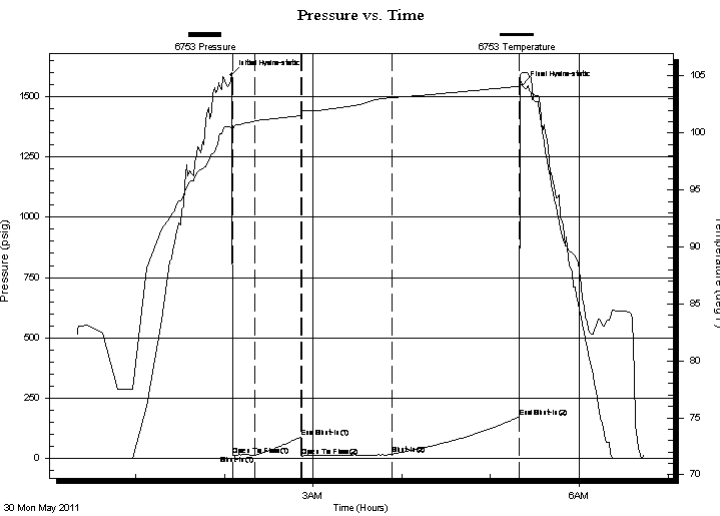
Morgan Z1
22-16-12w, Barton, Ks
Job Ticket: 34330 **DST#: 5**
Test Start: 2011.05.30 @ 00:20:42

GENERAL INFORMATION:

Formation: **KC "I,J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:05:42
Time Test Ended: 06:44:12
Interval: **3250.00 ft (KB) To 3286.00 ft (KB) (TVD)**
Total Depth: 3286.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1927.00 ft (KB)
1919.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole
Tester: Brett Dickinson
Unit No: 47

Serial #: 6753 Inside
Press @ Run Depth: 18.84 psig @ 3255.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.05.30 End Date: 2011.05.30 Last Calib.: 2011.05.30
Start Time: 00:20:47 End Time: 06:44:11 Time On Btm: 2011.05.30 @ 02:04:42
Time Off Btm: 2011.05.30 @ 05:21:42

TEST COMMENT: IF-1in blow
ISI-No blow
FF-3in blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.14	100.50	Initial Hydro-static
1	13.89	100.28	Open To Flow (1)
16	13.95	101.05	Shut-In(1)
47	90.51	101.52	End Shut-In(1)
48	11.90	101.88	Open To Flow (2)
109	18.84	103.11	Shut-In(2)
195	173.47	104.10	End Shut-In(2)
197	1546.45	105.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 15%O 85%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN:

Morgan Z1
22-16-12w, Barton, Ks
Job Ticket: 34330 **DST#: 5**
Test Start: 2011.05.30 @ 00:20:42

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:	ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

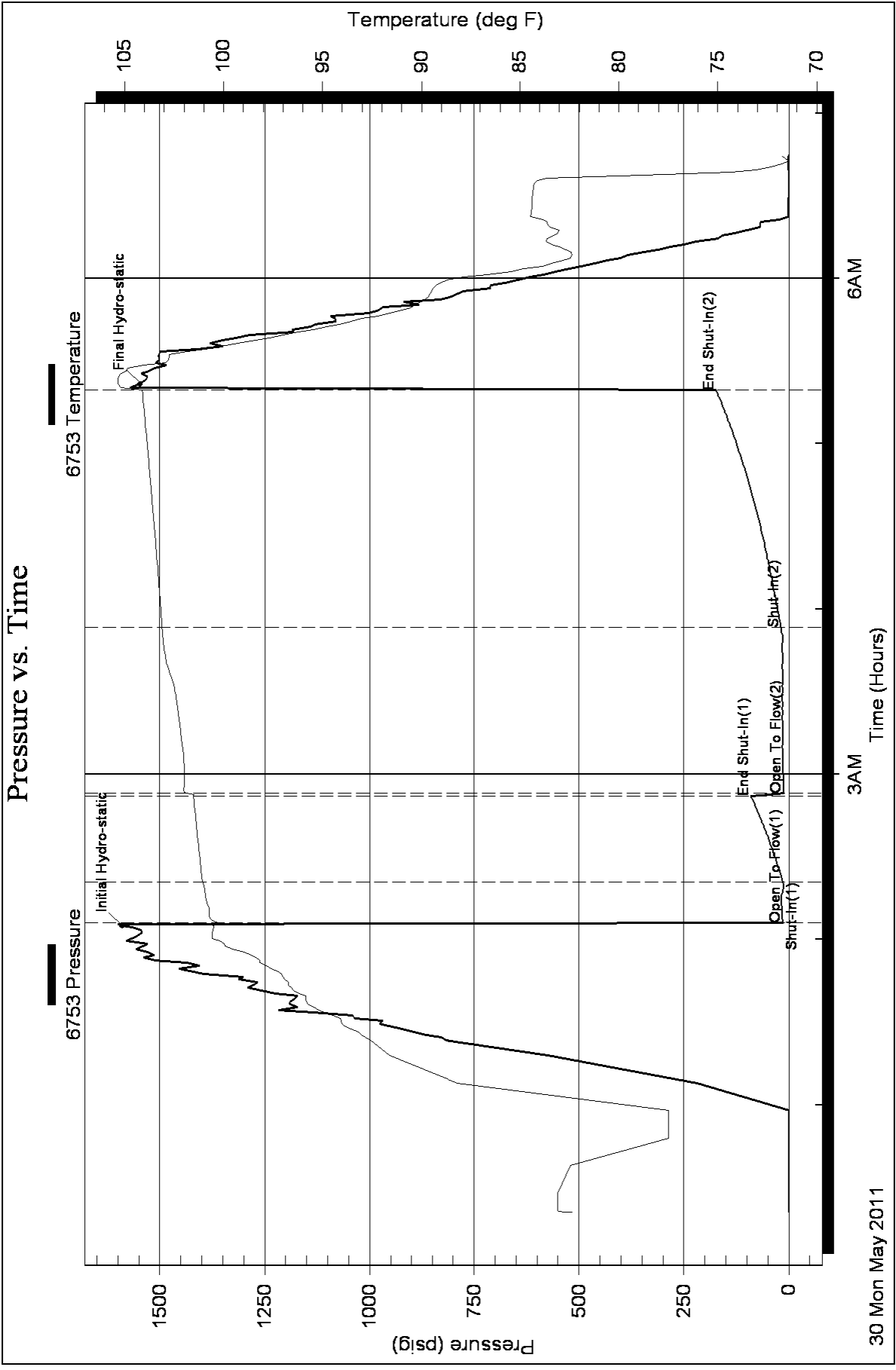
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	SOCM 15%O 85%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 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:

Morgan Z1
22-16-12w, Barton, Ks
 Job Ticket: 34331 **DST#: 6**
 Test Start: 2011.05.30 @ 21:25:41

GENERAL INFORMATION:

Formation: **"L", Cong., Qtz site**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:37:41
 Time Test Ended: 04:34:41
 Interval: **3325.00 ft (KB) To 3390.00 ft (KB) (TVD)**
 Total Depth: 3390.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Brett Dickinson
 Unit No: 47
 Reference Elevations: 1927.00 ft (KB)
 1919.00 ft (CF)
 KB to GR/CF: 8.00 ft

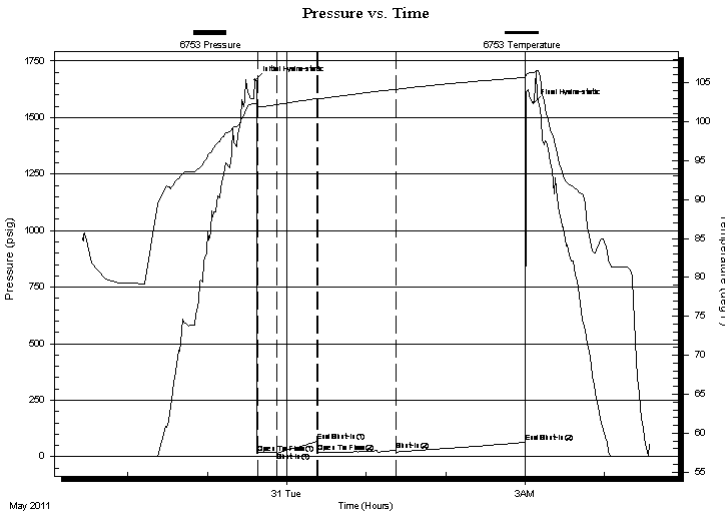
Serial #: 6753

Inside

Press @ Run Depth: 28.16 psig @ 3331.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.05.30 End Date: 2011.05.31 Last Calib.: 2011.05.31
 Start Time: 21:25:46 End Time: 04:34:40 Time On Btm: 2011.05.30 @ 23:36:11
 Time Off Btm: 2011.05.31 @ 03:06:11

TEST COMMENT: IF-1in blow died in 12min
 ISI-No blow
 FF-No blow
 FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.25	102.36	Initial Hydro-static
2	16.89	101.71	Open To Flow (1)
17	17.74	102.22	Shut-In(1)
47	67.63	102.99	End Shut-In(1)
47	18.04	102.97	Open To Flow (2)
106	28.16	104.17	Shut-In(2)
204	63.97	105.70	End Shut-In(2)
210	1562.51	106.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oilspotted mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

Morgan Z1

2020 N. Bramblewood
Wichita Ks 67206

22-16-12w, Barton, Ks

Job Ticket: 34331

DST#: 6

ATTN:

Test Start: 2011.05.30 @ 21:25:41

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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oilspotted mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

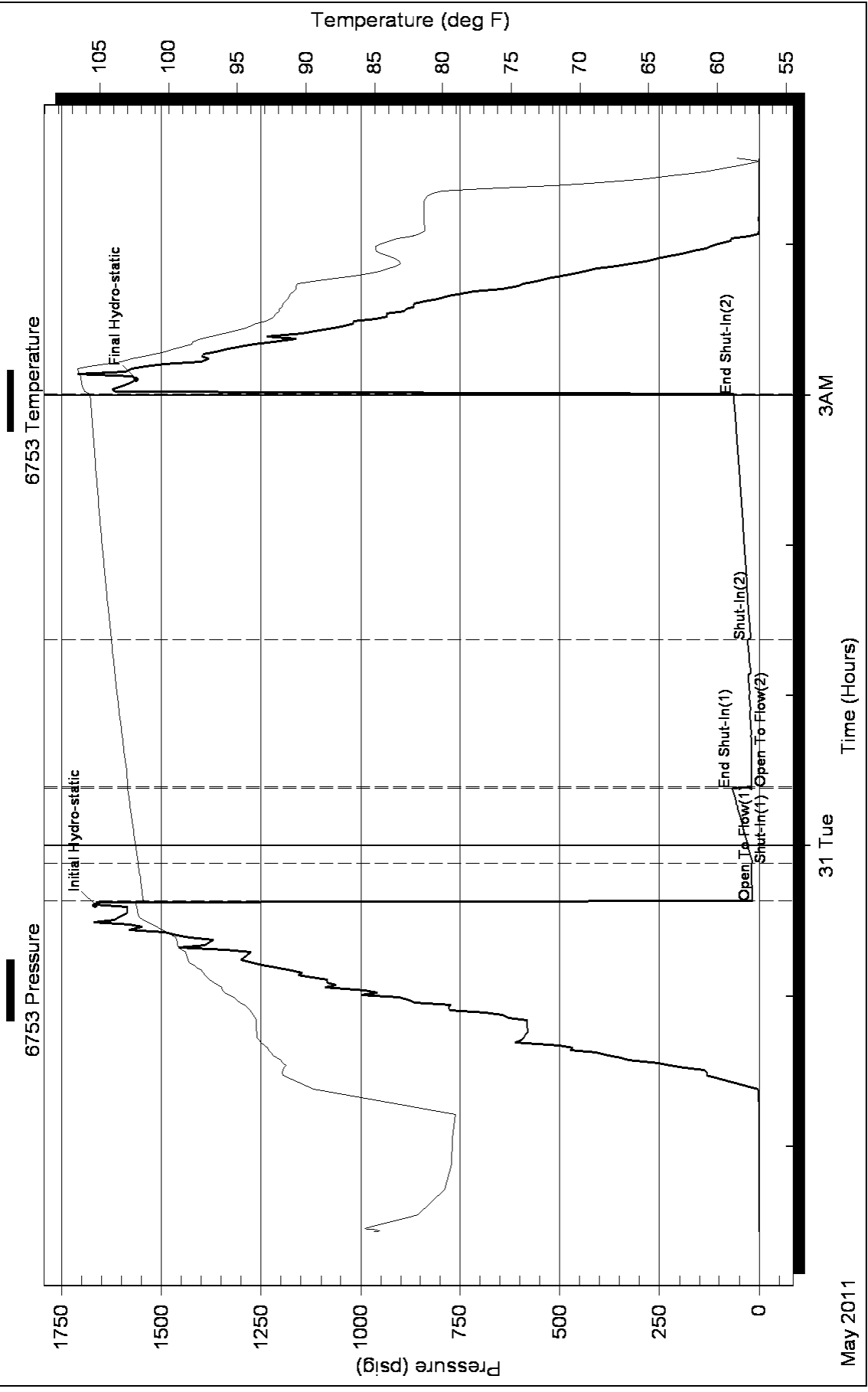
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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



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Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 23, 2011

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

Re: ACO1
API 15-009-25543-00-00
Morgan Z1
NW/4 Sec.22-16S-12W
Barton 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