KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1062851

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: Edwin H. Grieves
Purchaser:

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 #:

05/31/2011	06/16/2011	09/28/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-055-22104-00-00
Spot Description:
NE - SE - NW - SE Sec. 23 Twp. 26 S. R. 34 [ ] East [x] West
1703 Feet from [ ] North / [x] South Line of Section
1453 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Finney
Lease Name: Barker Well #: 1-23
Field Name: Ivanhoe Extension
Producing Formation: Morrow
Elevation: Ground: 2962 Kelly Bushing: 2974
Total Depth: 5332 Plug Back Total Depth: 5290
Amount of Surface Pipe Set and Cemented at: 1773 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 3206 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: 4900 ppm Fluid volume: 1200 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: 10/20/2011
- [ ] Confidential Release Date:
- [x] Wireline Log Received
- [x] Geologist Report Received
- [ ] UIC Distribution

ALT [x] I [ ] II [ ] III Approved by: Deanna Garrison Date: 10/21/2011

Side Two

1062851

Operator Name: BEREXCO LLC Lease Name: Barker Well #: 1-23

Sec. 23 Twp. 26 S. R. 34 ☐ East ☑ West County: Finney

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 (Attach Additional Sheets)	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Electric Log Submitted Electronically (If no, Submit Copy)	☑ Yes	☐ No

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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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	5052 - 5068 (lower Morrow)	1500 gallons 7-1/2% MCA acid, 70 balls	5052 - 5068
		23,000 gallons x-linked gelled water & 32,600 lbs 20/40 sand	5052 - 5068

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2.875	SN @ 5012	no pkr.	☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.	Producing Method:
09/28/2011	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	177	0	20		38

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	☐ Open Hole ☑ Perf. ☐ Dually Comp. (Submit ACO-5) ☐ Commingled (Submit ACO-4) ☐ Other (Specify)	5052-5068

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

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Barker 1-23
Doc ID	1062851

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Barker 1-23
Doc ID	1062851

Tops

Heebner (base)	3942	-968
Toronto	3952	-978
Lansing	3984	-1010
Marmaton	4566	-1592
Cherokee	4702	-1728
Atoka	4810	-1836
Morrow	4956	-1982
Chester	5090	-2116
St Louis	5220	-2246
RTD	5332	

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
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Casing

Surface	12.25	8.625	24	1773	60/40 POZ	550	8%gel,3% cc,1/4#flakes
Surface	12.25	8.625	24	1773	Class A	150	3% cc
Production	7.875	5.50	15.5	5330	60/40 POZ	100	8%gel,1/4 #flakes
Production	7.875	5.50	15.5	5330	ASC	250	2%gel,10 %salt,6#Gilsonite,5% Calseal
DV Tool	7.875	5.50	15.5	3206	60/40 POZ, ASC	700	8%gel,1/4 #flakes

ALLIED CEMENTING CO., LLC. 036651

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

SERVICE POINT: Oakley

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
6/2/11	23	26	34W			01:30	02:30 Am

LEASE	WELL #	LOCATION	COUNTY	STATE
Barker	1-23	Finney Co Line + 83 2N 7W 1/4 S E/n	Finney	Finney Ks

OLD OR (NEW) (Circle one)

CONTRACTOR Brexeco #2
TYPE OF JOB 8 5/8 Surface
HOLE SIZE 12 1/4 T.D. 1781
CASING SIZE 8 5/8 24# DEPTH 1776'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1100 PSI MINIMUM Ø
MEAS. LINE SHOE JOINT 43
CEMENT LEFT IN CSG. 43
PERFS.
DISPLACEMENT 110. BBL

OWNER Same

CEMENT

AMOUNT ORDERED 650 60/40 8% Gel 3% CC 1/4 Flo
150 A 3% CC

		@	
COMMON	150	@ 16.25	2437.50
POZMIX		@	
GEL		@	
CHLORIDE	CC 26 sk	@ 58.20	1513.20
ASC		@	
		@	
650 Lite Type 2		@ 14.50	9425.00
		@	
Floseal	163 LB	@ 2.70/LB	440.10
		@	
		@	
		@	
		@	
HANDLING	831	@ 2.25	1869.75
MILEAGE	sk/mi .11		2285.25
		TOTAL	17970.00

EQUIPMENT

PUMP TRUCK # 431 CEMENTER Bob
HELPER Darren Oakley
BULK TRUCK # 457/251 DRIVER Beto / Ceasar
BULK TRUCK # 470 46 DRIVER Lenny

REMARKS:

Thank You

SERVICE

		@	
DEPTH OF JOB	1776'		
PUMP TRUCK CHARGE			1925.00
EXTRA FOOTAGE		@	
MILEAGE	50	@ 7.00	350.00
MANIFOLD	+ Head	@ 200	200.00
LT Veh mi 50mi		@ 4.00	200.00
		@	
		TOTAL	2675.00

CHARGE TO: Brexeco
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8

	@	
1- Basket	@	314.00
5- Centralizers	@ 67	335.00
1- AFU	@	238.00
1- Top plug	@ 101	101.00
	@	
	TOTAL	988.00

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.

PRINTED NAME [signature]

SIGNATURE

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

ALLIED CEMENTING CO., LLC. 039963

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

SERVICE POINT: Oakley Ks

DATE 6/17/11	SEC. 23	TWP. 26	RANGE 34	CALLED OUT	ON LOCATION 12:30pm	JOB START	JOB FINISH
LEASE Barker	WELL # 1-23	LOCATION Garden City S to TV Rd 7 1/2 W 5 E into				COUNTY Finney	STATE Ks
OLD OR NEW (Circle one)							

CONTRACTOR
TYPE OF JOB Production Bottom Stage
HOLE SIZE 7 7/8 T.D.
CASING SIZE 5 1/2 15 1/2 DEPTH 5335
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DV DEPTH 3206
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 42.5
CEMENT LEFT IN CSG. 42 1/2'
PERFS. Bottom / Top
DISPLACEMENT 50 H_2O 76 1/2 Rig Mud

OWNER

CEMENT
AMOUNT ORDERED 100 sk ALW 1/4 Flo
250 ASC 6 Gilsonite 2% gel 10% Salt

EQUIPMENT

PUMP TRUCK # 423-281	CEMENTER	Alan
	HELPER	Jerry
BULK TRUCK #	DRIVER	Kevin C GB
BULK TRUCK # 457	DRIVER	Aaron

		@	
COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC	250 sks	@ 17.00	4250.00
		@	
ALW	100 sks	@ 14.50	1450.00
		@	
Flo Seal	25 lb	@ 2.70	67.50
		@	
Gilsonite	1500 lb	@ .89	1335.00
		@	
		@	
HANDLING	423 sks	@ 2.25	951.75
MILEAGE	11/sk/mile		2326.50

TOTAL 10880.75

REMARKS:
Run 5 1/2 Csg, Circulate, Mix 100 sks ALW 1/4 lb Flo, Tail w/ 250 sk ASC 10% Salt 6 Gilsonite 2% gel, wash Truck & lines, Displace Plug to Latch Down w/ 50 bbl H_2O & 76 1/2 bbl Rig Mud, Land Plug @ 2000 PSI w/ 1200 PSI Lift, Float Held, Drop Opening Tool - Open Tool - 800 PSI, Circulate 4 hrs

SERVICE

		@	
DEPTH OF JOB			5335
PUMP TRUCK CHARGE			2695.00
EXTRA FOOTAGE		@	
MILEAGE	50 x 2	@ 7.00	700.00
MANIFOLD	Head	@	200.00
Lite Vehicle	50 x 2	@ 4.00	400.00
		@	

TOTAL 3995.00

CHARGE TO: Berexco Inc
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

		@	
AFU Float Shoe		@	349.00
Baskets	3	@ 337.00	1011.00
Centralizers	22	@ 49.00	1078.00
DV		@	3700.00
Latch Down Assembly		@	N/C

TOTAL 6138.00

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SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME GERSTNER

SIGNATURE [signature]

ALLIED CEMENTING CO., LLC. 039964

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

SERVICE POINT: Oakley

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
6/7/11	23	26	34			11:30p	12:30a

LEASE Beckler WELL # 1-23 LOCATION Garden City S To TV Rd 7½ W S Exit — COUNTY Finney STATE KS

OLD OR NEW (Circle one) — NEW circled

CONTRACTOR Beredco #2 — OWNER Same
TYPE OF JOB Production Top Stage
HOLE SIZE 7⅞ T.D. 5330
CASING SIZE 5½ 15½# DEPTH 5335
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DV DEPTH 3206'
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 42½
CEMENT LEFT IN CSG. 42½
PERFS.
DISPLACEMENT

EQUIPMENT

PUMP TRUCK # 423-281 CEMENTER Alan
HELPER Alan Jerry
BULK TRUCK # 394 DRIVER Darren
BULK TRUCK # DRIVER [illegible]

CEMENT

AMOUNT ORDERED 395 sks Lite 1/4 FloSeal
50 sks Com.

Item	Qty	@	Amount
COMMON	50	@ 16.25	812.50
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
ALW	395	@ 14.50	5727.50
		@	
FloSeal	99 lb	@ 2.70	267.30
		@	
		@	
		@	
		@	
		@	
HANDLING 476 sks		@ 2.25	1071.00
MILEAGE 11¢ sk/mile			2618.00
		TOTAL	10496.30

REMARKS:

Mix sks RH, sks MH, Mix sks ALW
Dens Sks Tail w/ 50 sks Com. Displace
Plug To Tool w/ 76½ BBL H2O Land
Plug @ 1700 PSI w/ 1900 PSI Lift,
Tool Did Hold
Cement Did Circulate
Thank You
Alan, Jerry, Darrin

SERVICE

DEPTH OF JOB 3206'
PUMP TRUCK CHARGE [illegible]
EXTRA FOOTAGE @
MILEAGE @
MANIFOLD @
@
@

TOTAL N/C

CHARGE TO: Berexco Inc
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@

TOTAL

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

PRINTED NAME GERSTNER
SIGNATURE [signature]

GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG

COMPANY BEREXCO LLC

LEASE BARKER NO. I-23

LOCATION 1703'FSL & 1453'FEL

SEC. 23 TWP. 26S RNG. 34W

COUNTY FINNEY, STATE KANSAS

FIELD IVANHOE EXTENSION

CONTRACTOR BEREDCO DRLG. RIG NO. 2

COMM. 5-30-2011 COMP. 6-17-2011

RTD 5330 LTD 5992

No. of DST'S 5 No. of CORES NONE

ELEVATIONS

KB 2974

DF 2972

GL 2962

MEASUREMENTS ARE ALL FROM KB

CASING RECORD

8 5/8" at 1776' w/ ___ sx.

___ at ___ w/ ___ sx.

___ at ___ w/ ___ sx.

EL. LOG AR IND-SP-GR DEN-NEUT-GR-CALIPER MI-SONIC

SAMPLES SAVED FROM 3700 TO TD

DRILLING TIME KEPT FROM 3700 TO TD

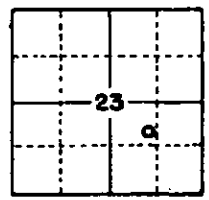
SAMPLES EXAMINED FROM 3700 TO TD

GEOLOGICAL SUPERVISION FROM 3700 TO TD

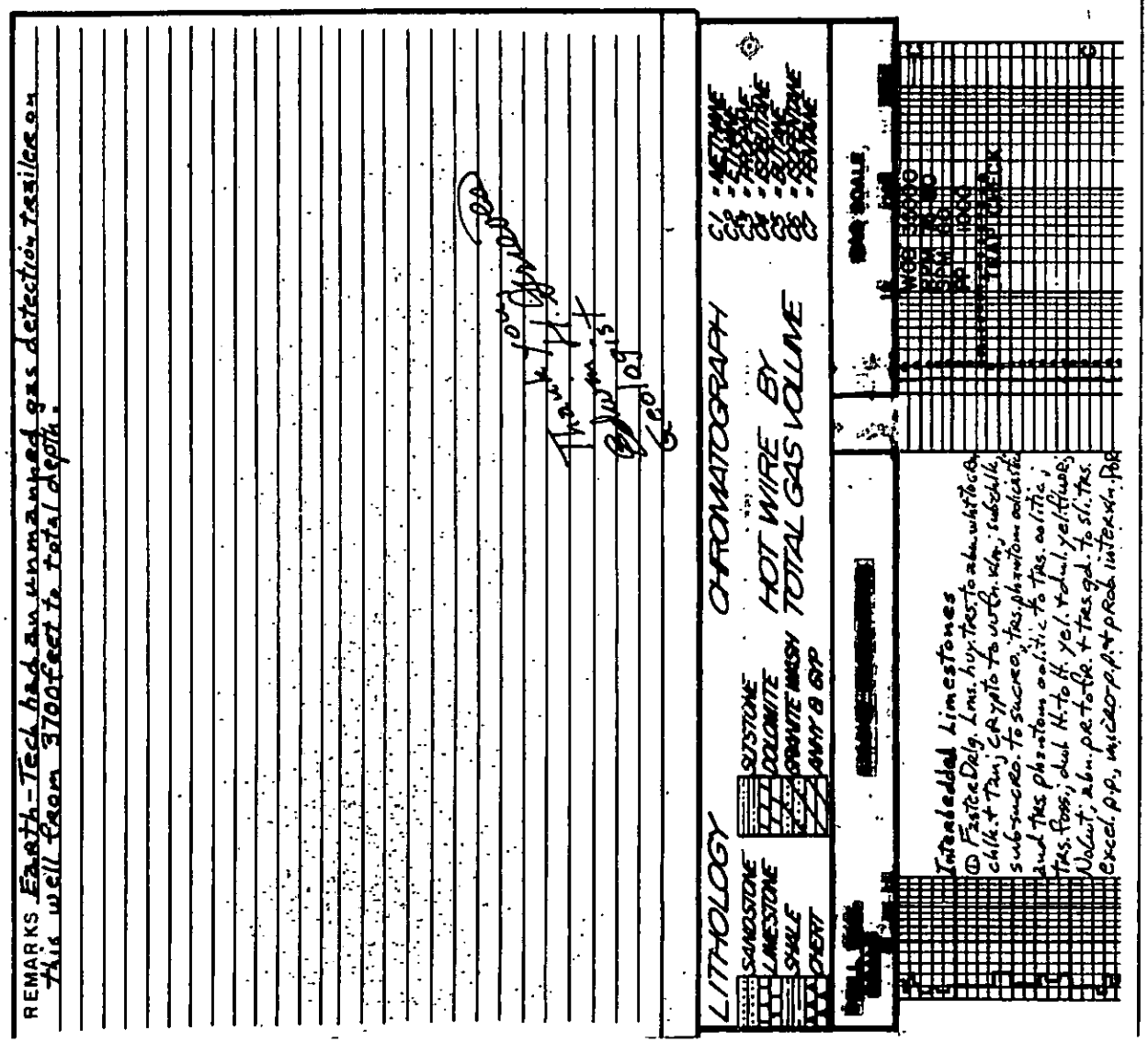
GEOLOGIST ON WELL EDWIN H. GRIEVES

FORMATION TOPS

	SAMPLE	LOG	SUBSEA
BASE HEEBNER	3943	3942	-968
TORONTO	3953	3952	-978
LANSING	3984	3984	-1010
MARMATON	4572	4566	-1592
CHEROKEE	4704	4702	-1728
ATOKA	4818	4810	-1836
MORROW FM.	4964	4956	-1982
CHESTER FM.	5076	5090	-2116
ST. LOUIS	5218	5220	-2246
TD	5330	5332	



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



excel. p.p., micro-p.p. + prob. interxln. Por
① Slower Drlg. Lms. tan, grayish tan to lt. gray; crypto to v.v. fn. xln.; sub-chlk, sub-sucro + packstn.; dul. yel. fluor.; No Cut; No Vis Por

Lms similar description # 2 3700 - 3779

Lms similar #1 description 3700 - 3779

3800

Lms. similar #2 description 3700-3779 w/ trs. v. dark gray to black carb looking shs

Lms. similar #1 description 3700-3779 w/ increase in chlk + sub-chlk

3900

Lms. hvy. trs. wht to crm-chlk + tan to grayish tan; crypto. to v.v. fn. xln.; sub-chlk., sub-sucro. to sucro. and trs packstn.; phantom oolitic IP's and/or oolitic IP's; dul. yel. fluor.; No Cut; hvy. trs. pr. to fr. micro-pp. and prob. interxln. por

Lms. tan, crypto. to v.v. fn. xln., trs chlky, sub-sucro to sucro, trs packstn + trs. sub-lithogr.; dul. yel. fluor.; No Cut; No Vis Por w/ trs cherty grn. opaque

Sh. v. dark gray. to black - carb

Lms. lt. gray; crypto xln, packstn to sublithogr. dul lt. yel. fluor.; No Cut; No Vis Por

Sh. lt. gray to lt. green w/ trs. lt. grn. silty, dense, lit to hard; No Fluor; No Cut; No Vis Por.

Lms. v. abn. wht. to crm.-chlk + tan; crypto. to v.v. fn. xln.; sub-chlk., sub-sucro. to sucro; dul yel to dul lt. yel. + lt. yel. fluor.; No Cut, abn. pr. to fr + trs. gd. micro-pp and interxln. Por.

Lms. trs. wht. to crm.-chlk + lt. gray. to tan; crypto to v.v. fn. xln.; sub-chlk, sub-sucro, packstn. and trs. sub-lithogr.; dul lt. to lt. yel. fluor; No Cut; No Vis Por

Lms. tan; v.v. fn. to v.v. fn. xln.; sub-sucro to v. sucro; trs. w/ finely disseminated pyr.; bri. yel. to bri. gldn. yel. fluor.; No Cut; abn. pr. to gd micro-pp to interxln por

Lms. trs. wht to crm-chlk and lt. gray to tan; crypto. to v.v. fn. xln.; dul. lt. to lt. yel. fluor.; No Cut; No Vis Por.

4000

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

Lms. trs. to v. abn. wht to crm-chlk and tan, grayish. IP's; crypto to v.v. fn. xln.; trs sub-chlk, sub-sucro, packstn and trs sub-lithogr.; dul. yel. to yel. fluor. No Cut, v. scattered trs v. poor micro-pp por. IP's

Base Heebner 3943-969

BLK SH SO

Toronto 3953-979

Lansing 3984-1210

TRAP CHECK

Lms. tres. to abn. wht. to crm-chlk + tan; crypto to v.v.fn. xln; extely. oolicastic %or Sli. to fely oolitic; matrix sub-sucro. to extely. sucro. + tres. packstn; dul. lt. yel. to lt. yel. fluor.; mottled IP's; No cut; extr. abn. gd. to excel. oolicastic por w/ poss pr. to fr micro-pp + intercryl-por IP's; Quest Perm IP's

Lms. tres. wht. to crm.-chlk + grayish. tan to tan; crypto. to v.v.fn. xln; sub-chlk

4100

sub-sucro. + packstn.; dul. lt. to lt. yel. fluor.; No Cut; No Vis Por.

Lms. hvy tres. wht. to crm-chlk + tan, grayish. IP's; crypto. to v.v.fn. xln; oolicastic %or oolitic; matrix sub-chlk, sub-sucro to tres. sucro. + packstn; dul. lt. to lt. yel. fluor; No Cut; abn. pr., fr. to gd. oolicastic por w/ poss. micro-pp + intercryln. IP's; Quest Perm

Lms. lt. gry. to tan; crypto. to v.v.fn. xln. sub-chlk, sub-sucro + packstn; sli. tres. sub.-lithogr.; dul. lt. yel. to tres. lt. yel. fluor. No cut; No Vis. Por.

Lms. tan; v.v.fn.; sub-sucro to extely sucro; abn. phantom oolitic; dul. gld. yel. fluor. No Cut; v. abn. pr., fr., gd. to excel. micro pp to intercryln por.; becoming oolicastic in bottom of zone w/ gd. to excel. oolicastic por.

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

Lms. abn. crm. to tan-chlk + tan; crypto. to v.v.fn. xln; sub-chlk, sub-sucro. to v. sucro.

4200

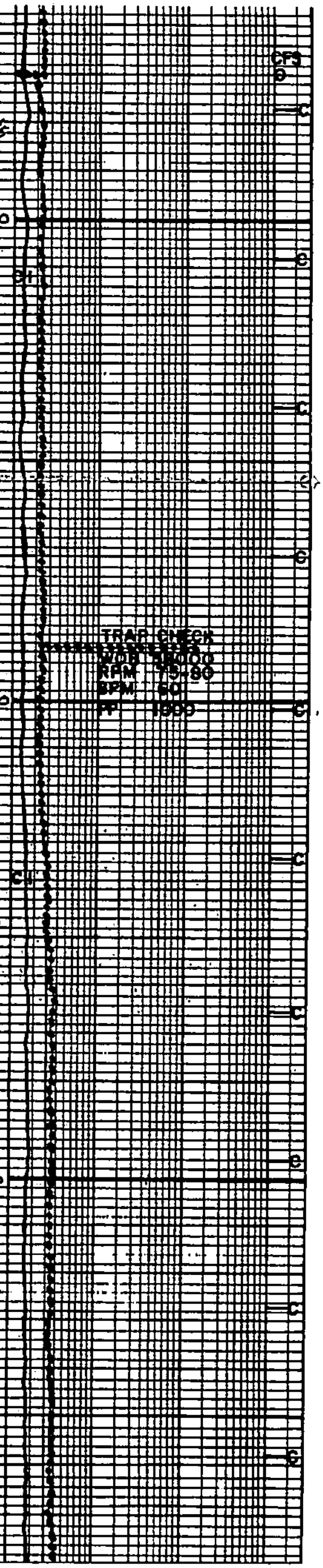
and tres packstn.; hvy tres. sli. to v. oolicastic; dul. lt. to lt. yel. fluor. No Cut; hvy tres. pr. to gd. oolicastic por. and abn. poor to fair + tres gd. to excel. micro-pp and prob intercryln por. w/ tres Chert gry to tan; opaque

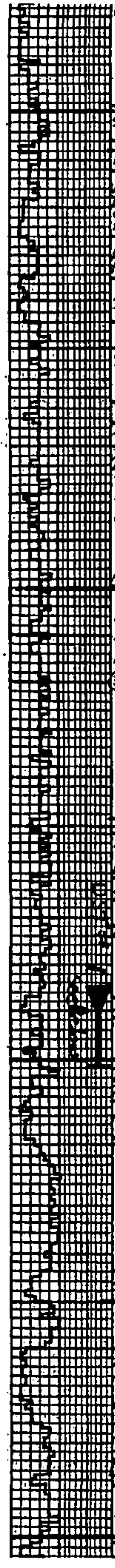
Lms. lt. gry. to tan, mottled IP's; crypto. to v.v. fn. xln; sli. to fely oolicastic and/or sli. to fely. oolitic; matrix tres. chlk., tres. sub-chlk, sub-sucro + packstn.; dul. yel. fluor.; No Cut; abn. pr. to fr. + tres gd. oolicastic por.; V. Quest Perm.

Lms. lt. gry, grayish. tans to tans; crypto to sli. tres. v.v.v.fn. xln., tres. sub-chlk, sli. tres. sub-sucro, packstn. + sub-lithographic dul. yel. fluor.; No Cut; No Vis Por Becoming Chlky in Bottom

4300

Lms. v. to extely chlky - wht, crm + lt. gry and lt. gry. to tan; extely oolicastic and/or extely. oolitic; matrix chlk., sub-chlk, sub-sucro + packstn.; dul. lt. to lt. yel. fluor, mottled IP's; No Cut; abn. pr., fr., gd. to excel. oolicastic por.; Very Quest. Perm.





Lms. lt. gray; crypto. to sl. tr. v. v. fn. xln.; chlk.
sub-chlk, sl. tr. sub-sucro. + packstn; dul. yel. fluor.; No Cut; No Vis Por.
Sh. v. drk. gray to black - carb
Lms. lt. to med. gry.; crypto. xln.; sub-chlk. + /or shly; sl. to v. shly + /or sl. to v. silty; v. dul. yel. fluor. IP's; No Cut; No Vis Por.
Lms. extr. abn. wht. to crm.-chlk w/ tr. tan; v. crpto. [illegible] extrly. oolicastic + /or sl. to fairly oolitic; [illegible] sub-sucro to sucro; dul. yel. to yel. fluor.; No Cut [illegible] gd. to excel. oolicastic [illegible] micro-pp + prob. int. gran. por.
4426-35 Lms. grayish tan to tan + tr. lt. gray; crypto to v. v. fn. xln.; sub-chlk, sub-sucro + packstn; dul. yel. fluor.; No Cut; No Vis Por.
4435-44 Lms. similar 4418-4426
4444-4461 Lms. similar 4426-4435

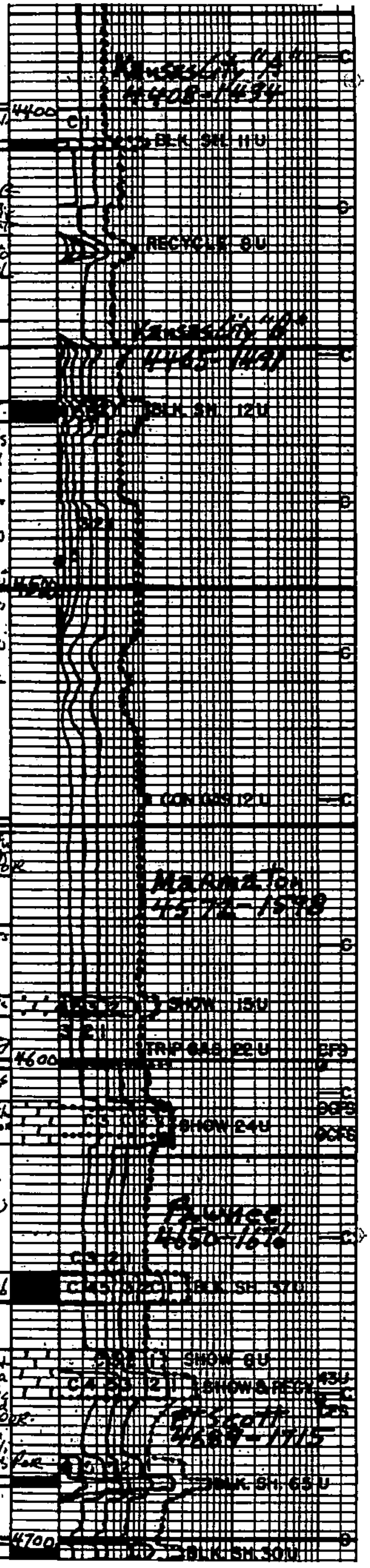
Sh. v. drk. gray to black - carb

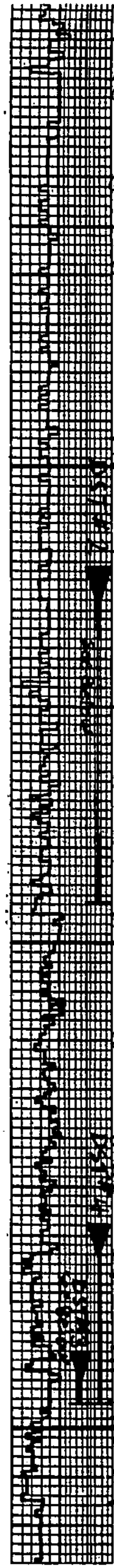
Interbedded Limestones + scattered thin Sh's
1) Lms. tr. to abn. wht. to crm.-chlk and tan; crypto. to v. v. fn. xln.; sub-chlk., sub-sucro. and packstn; tr. phantom oolitic; dul. yel. fluor.; No Cut; scattered tr. very poor micro-pp porosity IP's
2) Lms. tr. lt. gray + grayish tan to tan; crypto. to v. v. fn. xln.; tr. sub-chlk., sub-sucro, packstn. and tr. sub-lithographic; dul. yel. fluor.; No Cut; No Vis Por.
3) Sh's. med to v. drk gray - calc to v. drk. gray. to black., carb. looking

~~Sh. v. drk. gray to black carb. looking~~
Lms. lt. to med. gry.; tanish IP's; crypto. to v. v. fn. xln.; sub-chlk + /or shly; tr. sub-sucro. + packstn.; dul. yel. fluor. IP's; No Cut; No Vis Por.
Sh. lt. to med. gry.; v. to extrly calc
4572-87 Lms. tr. wht. to crm.-chlk + lt. gry. to tan; crypto. to v. v. fn. xln.; tr. w/ tr. phantom oolites dul. lt. yel. fluor.; No Cut; No Vis Por.
4787-91 Lms. sl. tr. wht. to crm.-chlk + tan; crypto. to v. v. fn. xln. w/ tr. [illegible] clear calc xls + frags.; faint oil odor; yel. to gldn yel. fluor.; tr. sl. oolicastic + /or tr. sl. oolitic [illegible] to phantom [illegible] faint to excel streaming cuts; [illegible] tr. excel. oolicastic, pp, micro-pp and inter xln. por + poss vuggular Por
4591-4602 Lms similar 4572-4587
Lms. tr. wht. to crm.-chlk + lt. gry to grayish tan + tr. tan; crypto. to v. v. fn. xln.; sub-chlk, [illegible] and packstn.; dul. yel. fluor.; No Cut; No Vis Por.
Lms. extr. abn. wht. to crm.-chlk + tan; crypto. to v. [illegible] sub-chlk, sub-sucro to v. sucro.; yel. to [illegible] yel. fluor. + faint to fair ring cuts; abn. pr. to tr. fr. to gd micro-pp + prob inter xln por.

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

Sh. med to v. drk. gry. calc to v. drk. gry. to blk.-carb
Lms. similar 4618-4644.
Lms. [illegible] tr. wht. to crm.-chlk + tan; crypto to v. v. fn. xln. w/ tr. fn. to med, wht. to tan calc. xls + frags.; tr. sub-chlk, sub-sucro to extrly. sucro; tr. phantom oolicastic + /or tr. phantom oolitic; dul. yel. to yel. fluor.; No Cut; abn. pr. to gd to excel. pp, micro-pp, inter xln + prob vug. Por.
Lms. tan, grayish. IP's; crypto. to tr. v. v. fn. xln.; sub-chlk; tr. sub-sucro + packstn.; tr. sl. phantom oolitic; dul. yel. fluor.; No Cut; No Vis Por.
Sh. v. drk. gray to black - carb
Lms. similar 4676-4687
Sh. v. drk. gray to black - carb.





Lms similar 4676-4687 w/trs Lm frags crypto xln; sub-lithog; dul yel fluor; No Cut; No Vis Por.

Interbedded Limestones and Shales

① Lms. lt to med. + trs. drk gray, fely to extrly Shly; crypto to v.v.fn. xln; sub-chlk + /or Shly, trs. sub-sucro. and packstn; v. dul. yel-fluor. IP's; No Cut No Vis Por

② Lms. grayish tan to tans; crypto to v.v.fn. xln.; sub-chlk, sub-sucro. and packstn; dul. yel. fluor.; No Cut No Vis Por.

③ Sh med to v. drk gray. - sl. to extrly calc to v. drk gry.

Interbedded Limestones and Shales similar 4712-4794 w/ trs interbeds Shales black-carb: looking

Lms. tan to drk tan to lt. gray; crypto to v.v.fn. xln.; trs sub-chlk, trs sub sucro, packstn + sub-lithographic, 3 to 5% w/ yel. to gldn yel fluor. w/ greenish casts IP's w/ flush cuts that leaves good Ring cuts trs. pr to fr micro-pp por. along fractures, sutures + bedding planes

4894-4964 Interbedded Lmsts + Shales

① Lms. lt to med gray - v. to extrly Shly; crypto to v.v.fn xln; sub-chlk + /or Shly, trs. sub-sucro, packstn + trs sublithog. No fluor; No Cut; No Vis Por.

② Lms. grayish tan to tan; crypto to v.v.fn xln.; sub-chlk, sub-sucro, packstn and sub-lithographic, phantom oolitic IP's; dul. yel. fluor; No Cut; No Vis Por

③ Sh med. to v. drk. gray - calc

④ Sh v. drk gray to black - carb

4964-83 Sh. med to drk gray, grnish IP's to trs. lt. green, mottled w/ lt to drk gray IP's; silty IP's grading to trs lt. green to lt-gray siltstns dense tite + hzed; No fluor; No Cut; No Vis Por

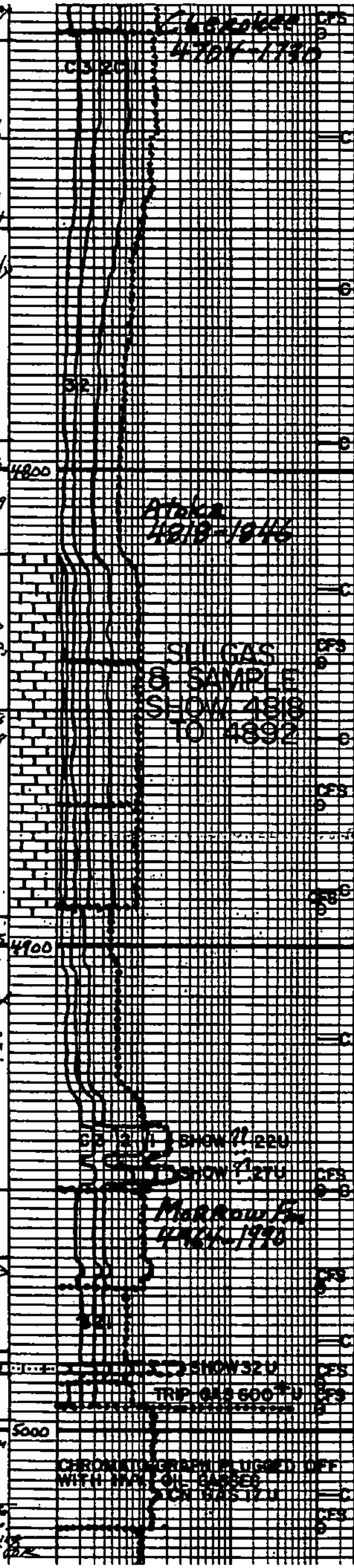
4983-86 Lms. lt gray, lt tan to tan; crypto to v.v.fn xln; scatterings of Lm frags + foss. frags; trs. sl. oolitic; trs w/ trs glauc + pr chloritic; dul. yel. to yel. fluor No Cut; No Vis Por

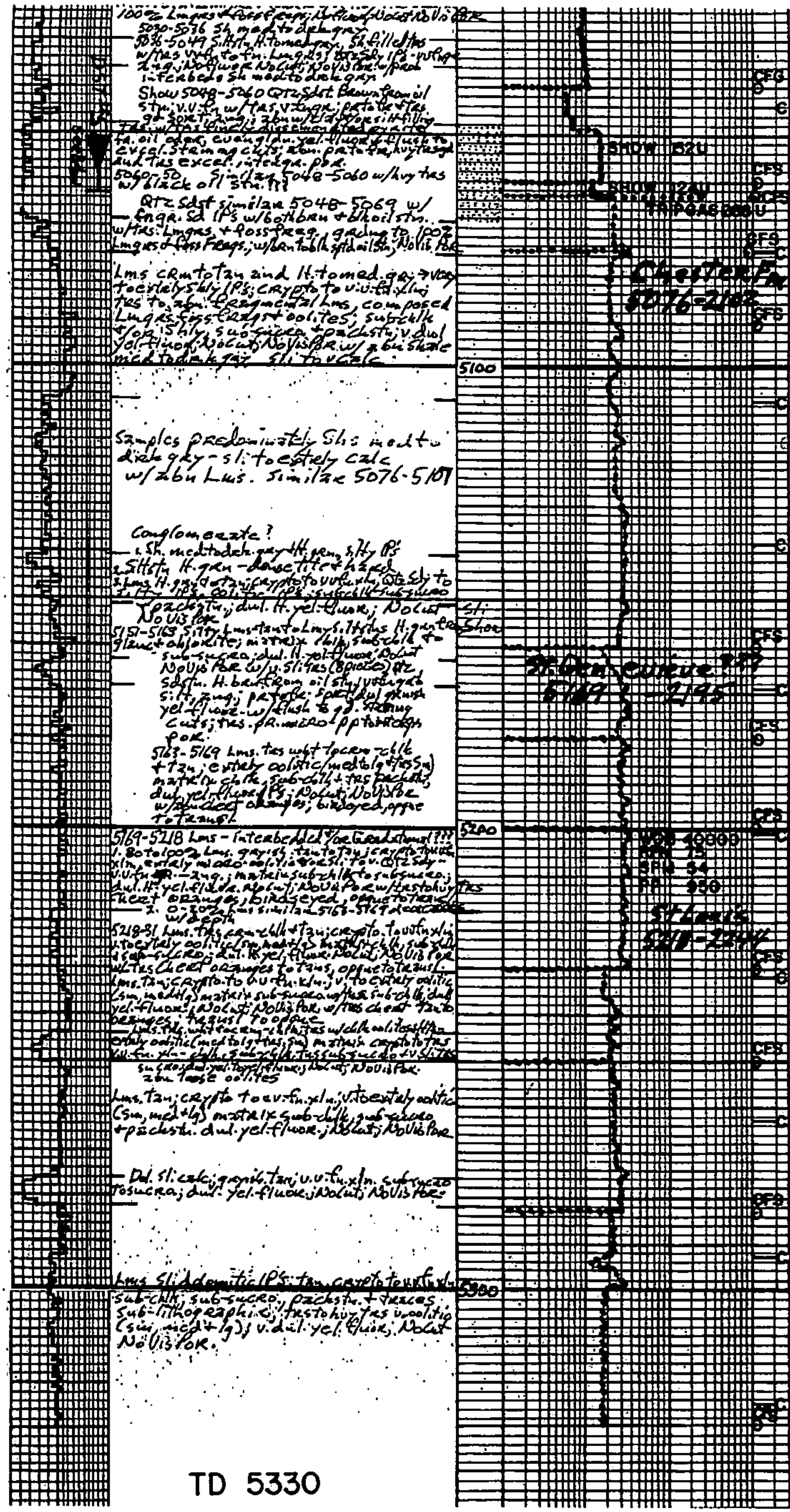
4986-88 Lm sdst. tan w/ sptd to even brown oil stn.; v.fn. to coarse gr., composed Lm grs + foss frags; matrix sub-sucro to sucro + trs packstn; gldn yel fluor w/ flush cuts to great streaming cuts; abn pr to fr, hvy trs. gd to trs excell pp, micro-pp + interxln por; abn individual grs and small clusters

4988-98 Lms. similar 4983-86 w/ poss. trs lt green siltstn, dense, tite + hard, extrly calc; No fluor; No Cut; No Vis Por

4998-5015 Sh med gray + olive grn w/ Lmst similar 4986-4988 prob from above

5015-5090 Siltstn lt green to med glauc, dense, tite + hard, w/ abundant trs to v. abn v.fn. to fn. Lm grs + foss frags, hvy trs becoming 100% Lm grs + foss frags; ... No Cut No Vis Por




5030-5036 Sh med to dk gray
Show 5048-5060 Qtz Sdst Brown from oil
5060-50 Similar 5048-5060 w/hvy tas w/ black oil stn.
Qtz Sdst similar 5048-5069 w/
Lms crm to tan and lt. to med. gray
Samples predominately Shs med to dk gry - sl. to extrely calc w/ abn Lms. Similar 5076-5101
Conglomerate?
5163-5169 Lms.
5169-5218 Lms - Interbedded / or Gradational ???
5218-31 Lms.
Lms. tan; crypto to v.v. fn. xln; v. to extrely oolitic (sm, med + lg) matrix sub-chlk, sub-sucro + packstn. dul. yel-fluor.; No cut; No Vis Por
Lms Sl. dolomitic
Sub-chlk, sub-sucro, packstn. + traces sub-lithographic; trs to hvy trs v. oolitic (sm, med + lg); v. dul. yel. fluor.; No cut No Vis Por.
5100
5200
5300
CFS
C
SHOW 52U
Chester Fm 5076-2102
St Gen Curve ??? 5169 -2195
St Louis 5218-2244
TD 5330

7⅞ inch Bit Info:
#1 New Hughs GX-23 Button Bit
in 1781 out

Dev. Surv.:
1. 871 ¾°
2. 1781 ½°
3. 3048 1°
4. 4601 1°
5. 4892 ¾°
6. 5330 ¾° TD

Cir. Points:

1.	3920	13.	4870	25	5160
2.	3940	14.	4892	26	5180
3.	3963	15.	4950	27	5200
4.	3992	16.	4970	28	5230
5.	4032	17.	4990	29	5250
6.	4070	18.	4995	30	5283
7.	4601	19.	5010	31	5330 TD
8.	4610	20.	5040		
9.	4616	21.	5060		
10.	4670	22.	5063		
11.	4710	23.	5075		
12.	4840	24.	5090		

Daily Drlg Progress:

1.	3448	At 7:00 AM 6-5-11
2.	3700	At 5:56 PM 6-5-11
3.	3975	At 7:00 AM 6-6-11
4.	4391	At 7:00 AM 6-7-11
5.	4601	At 7:00 AM 6-8-11
6.	4710	At 7:00 AM 6-9-11
7.	4892	At 7:00 AM 6-10-11
8.	4950	At 7:00 AM 6-11-11
9.	4995	At 7:00 AM 6-12-11
10.	5010	At 7:00 AM 6-13-11
11.	5063	At 7:00 AM 6-14-11
12.	5180	At 7:00 AM 6-15-11
13.	5330	At 5:04 AM 6-16-11
14.	5330	At 7:00 AM 6-17-11

DST #1 Marmaton 4585-4601
30 No Blow Flushed Tool still No Blow
FO No Blow
Rec 10 feet 100% Mud
BHT 117°F
IHP 2366# FFP 26-28# in 30 min
IFP 23-29 in 15 min FSIP 1147# in 60 min
ISIP 1252# in 30 min FHP 2443#

DST #2 Atoka 4821-4892
10 Weak surface Blow built to strick in 30 min
FO No Blow
Rec 20 Ft 100% Mud BHT 119°F
IHP 2333# FFP 33-38# in 30 min
IFP 22-30# in 30 min FSIP 1363# in 120 min
ISIP 1342# in 60 min FHP 2316#

DST #3 Upper Morrow 4985-4995
Packer Failure

DST #4 Upper Morrow 4958-4995
10 BOB 1 in 1 min GTS During ISIP
FO BOB ASAP Flowing GTS TSTM
Rec 2521 clean oil 4826-6030
94 OCGM 3026, 5030, 202 M
Total 2615 ft Max BHT 128°F
IHP 2588# FFP 418-452# in 60 min
IFP 302-593# in 30 min FSIP 1419# in 120 min
ISIP 1510# in 60 min FHP 2307#

FO BOB ASAO Flowing Gas TSTM
Rec 2521 clean oil 40%G-60%O
94 OCGM 3086; 50%O; 20%M
Total 2615 ft Max BHT 128°F
IHP 2588# FFP 614-652# in 60 min
IFP 302-593# in 30 min FSIP 1419# in 120 min
ISIP 1510# in 60 min FHP 2307#

DST #5 Lower Morrow 5051-5063
IO BOB in 20 min; FO BOB in 3 min
Rec 360 ft fluid Max BHT 127°F
270' GCO 50%G; 50%O
90' o-GWCM 20%G; 10%O; 20%W; 50%M
IHP 2477# FFP 79-142# in 10 min
IFP 31-63# in 30 min FSIP 1285# in 120 min
ISIP 1284# in 60 min FHP 2413#

Date	6-4 9:30A	6-5 4:45P	6-6 11:30A	6-7 8:30A	6-8 8:15A	6-9 1:00A	6-10 8:20A	6-11 [illegible]
Depth	3617	3566	4015	4481	4601	4759	4872	4990
Wt.	9.6	9.8	9.2	9.25	9.3	9.1	9.3	9.15
Vis	30	31	44	47	50	46	74	49
PV	—	—	11	15	15	14	21	16
YP	—	—	14	16	15	15	25	16
GS	—	—	13/32	14/42	14/41	14/44	21/57	15/48
WL	N/C	N/C	9.6	10.4	9.6	10.0	8.8	9.2
Cake	HVY	HVY	1/32	1/32	1/32	1/32	1/32	1/32
pH	7.0	7.0	11.0	9.5	9.5	10.0	10.5	10.5
Chl	38000	28000	3200	3300	3100	2200	1900	3600
Ca	HVY	HVY	60	80	20	20	20	20
LCM	2	1	3	4	3	4	4	4

Date	6-12 7:00A	6-13 10:40A	6-14 8:05A	6-15 8:45A	6-16 8:50A			
Depth	4995	5040	5063	5199	5330			
Wt.	9.1	8.95	9.05	9.05	9.1			
Vis	49	51	57	59	52			
PV	14	16	16	17	15			
YP	15	16	16	17	16			
GS	15/44	16/47	17/47	16/47	15/44			
WL	10.0	8.4	9.6	8.8	8.8			
Cake	1/32	1/32	1/32	1/32	1/32			
pH	10.5	11.0	10.5	11.2	11.0			
Chl	4300	4400	4400	4500	4100			
Ca	20	20	20	20	20			
LCM	3	3	2	3	4			

OPERATOR BEREXCO LLC LOCATION 1703FSL & 1453FEL
LEASE BARKER NO. 1-23 SEC. 23 TWP. 26S RNG. 34W
ELEVATION 2974KB GRD 5330 COUNTY FINNEY STATE KANSAS

DRILL STEM TEST REPORT

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42209 **DST#: 1**

Test Start: 2011.06.08 @ 04:30:53

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:20:38
Time Test Ended: 13:54:23

Test Type: Conventional Bottom Hole
Tester: Mike Slemp
Unit No: 53

Interval: 4585.00 ft (KB) To 4601.00 ft (KB) (TVD)
Total Depth: 4601.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

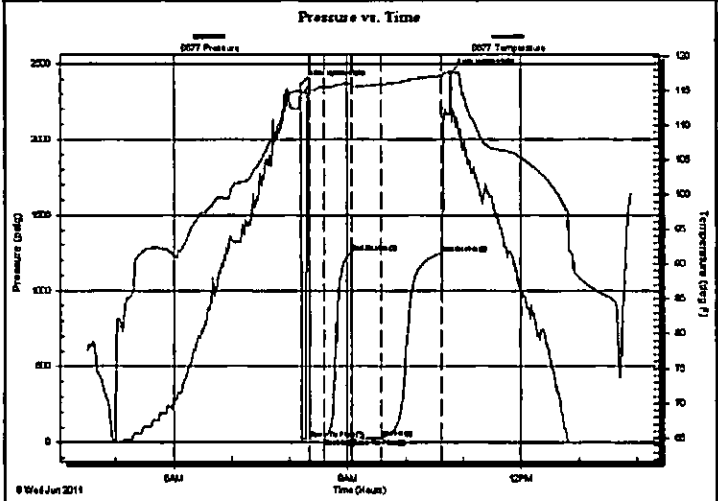
Reference Elevations: 2972.00 ft (KB)
2962.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8677 **Inside**

Press@RunDepth: 27.89 psig @ 4587.00 ft (KB)
Start Date: 2011.06.08 End Date: 2011.06.08
Start Time: 04:30:54 End Time: 13:54:23

Capacity: 8000.00 psig
Last Calib.: 2011.06.08
Time On Btm: 2011.06.08 @ 08:11:53
Time Off Btm: 2011.06.08 @ 10:46:38

TEST COMMENT: IF- No blow , Flushed tool still no blow after opening
ISI- No blow back
FF- No blow
FSI- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.12	115.03	Initial Hydro-static
9	22.73	115.08	Open To Flow (1)
24	28.98	115.54	Shut-In(1)
52	1251.62	116.09	End Shut-In(1)
53	26.19	115.72	Open To Flow (2)
83	27.89	115.93	Shut-In(2)
145	1247.45	117.14	End Shut-In(2)
155	2443.01	117.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%mud	0.05

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42209 **DST#: 1**

Test Start: 2011.06.08 @ 04:30:53

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3300.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

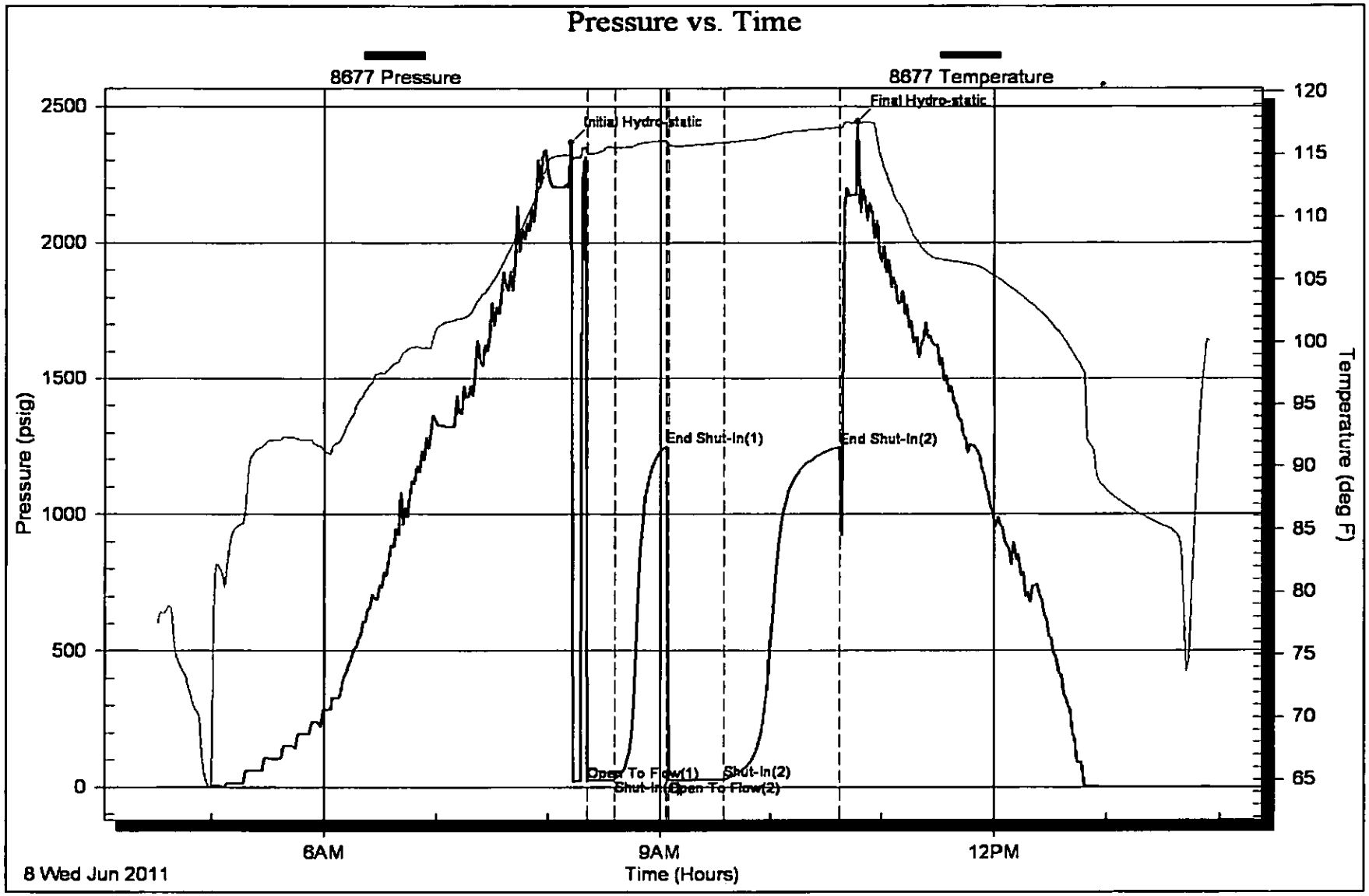
Length ft	Description	Volume bbl
10.00	100%mud	0.049

Total Length: 10.00 ft . Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8677 Pressure
8677 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
2500
2000
1500
1000
500
0
120
115
110
105
100
95
90
85
80
75
70
65
6AM
9AM
12PM
8 Wed Jun 2011
Time (Hours)

DRILL STEM TEST REPORT

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42210 **DST#: 2**

Test Start: 2011.06.10 @ 06:30:16

GENERAL INFORMATION:

Formation: **Atoka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:40:46
Time Test Ended: 19:15:31

Test Type: Conventional Bottom Hole
Tester: Mike Slemp
Unit No: 53

Interval: 4821.00 ft (KB) To 4892.00 ft (KB) (TVD)
Total Depth: 4892.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

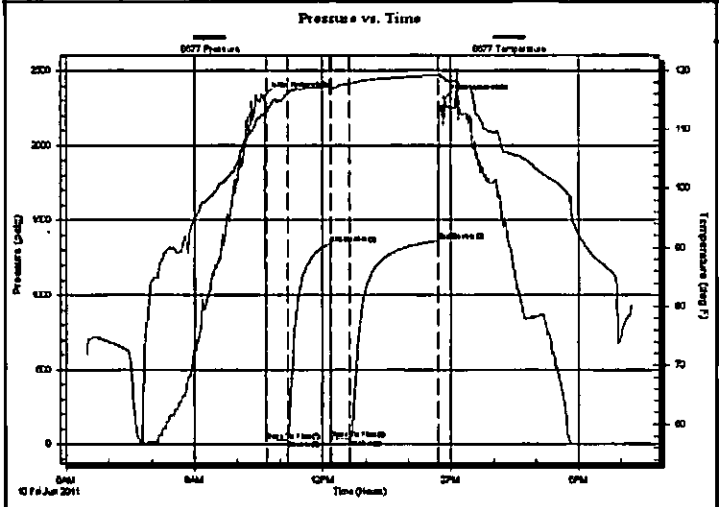
Reference Elevations: 2972.00 ft (KB)
2962.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8677 **Inside**

Press@RunDepth: 38.01 psig @ 4823.00 ft (KB)
Start Date: 2011.06.10 End Date: 2011.06.10
Start Time: 06:30:17 End Time: 19:15:31

Capacity: 8000.00 psig
Last Calib.: 2011.06.10
Time On Btm: 2011.06.10 @ 10:39:01
Time Off Btm: 2011.06.10 @ 14:51:01

TEST COMMENT: IF- Weak building blow , 1/2 inch in 30 min
ISI- No blow back
FF- No blow
FSI- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2332.79	112.67	Initial Hydro-static
2	21.56	111.87	Open To Flow (1)
32	29.80	116.14	Shut-In(1)
91	1341.93	117.18	End Shut-In(1)
93	32.57	117.08	Open To Flow (2)
119	38.01	117.71	Shut-In(2)
244	1362.69	119.21	End Shut-In(2)
252	2315.95	118.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%mud	0.10

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42210 **DST#: 2**

Test Start: 2011.06.10 @ 06:30:16

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:	9.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2200.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

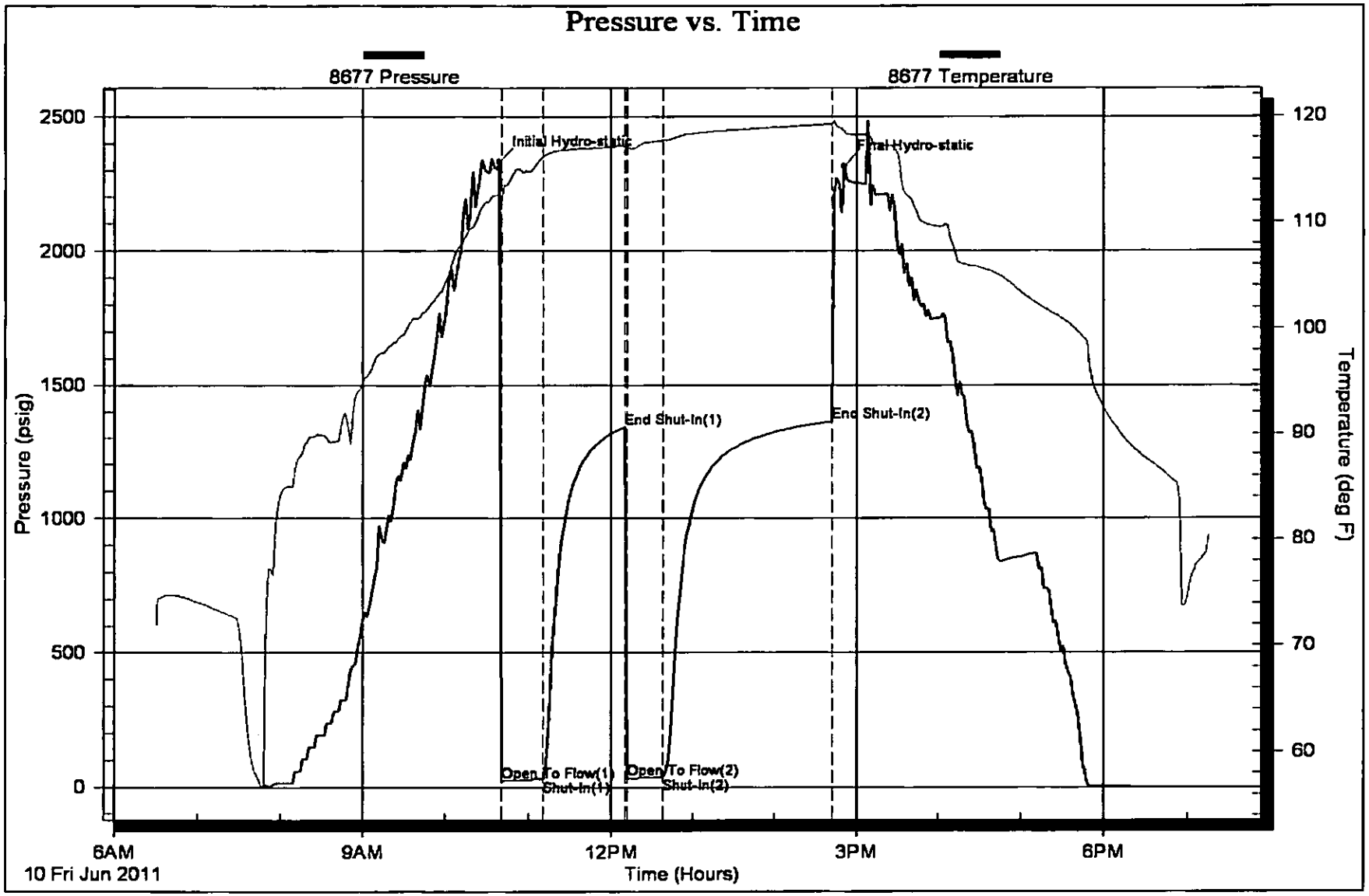
Length ft	Description	Volume bbl
20.00	100%mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8677 Pressure
8677 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2500
2000
1500
1000
500
0
120
110
100
90
80
70
60
6AM
9AM
12PM
3PM
6PM
10 Fri Jun 2011
Time (Hours)

DRILL STEM TEST REPORT

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42211 **DST#: 3**

Test Start: 2011.06.11 @ 19:00:32

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 04:03:47

Test Type: Conventional Bottom Hole
Tester: Mike Slemp
Unit No: 53

Interval: 4985.00 ft (KB) To 4995.00 ft (KB) (TVD)
Total Depth: 4995.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

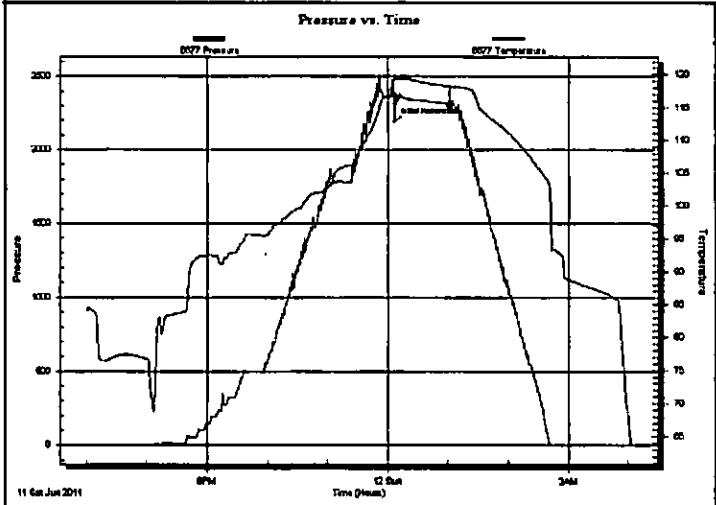
Reference Elevations: 2972.00 ft (KB)
2962.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8677 **Inside**

Press@RunDepth: psig @ 4987.00 ft (KB)
Start Date: 2011.06.11 End Date: 2011.06.12
Start Time: 19:00:33 End Time: 04:03:47

Capacity: 8000.00 psig
Last Calib.: 2011.06.12
Time On Btm: 2011.06.12 @ 00:06:32
Time Off Btm:

TEST COMMENT: Packer Failure- Lost mud as soon as tool opened



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.10	119.92	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	mud100%	1.38

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42211 **DST#: 3**

Test Start: 2011.06.11 @ 19:00:32

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.16 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2200.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

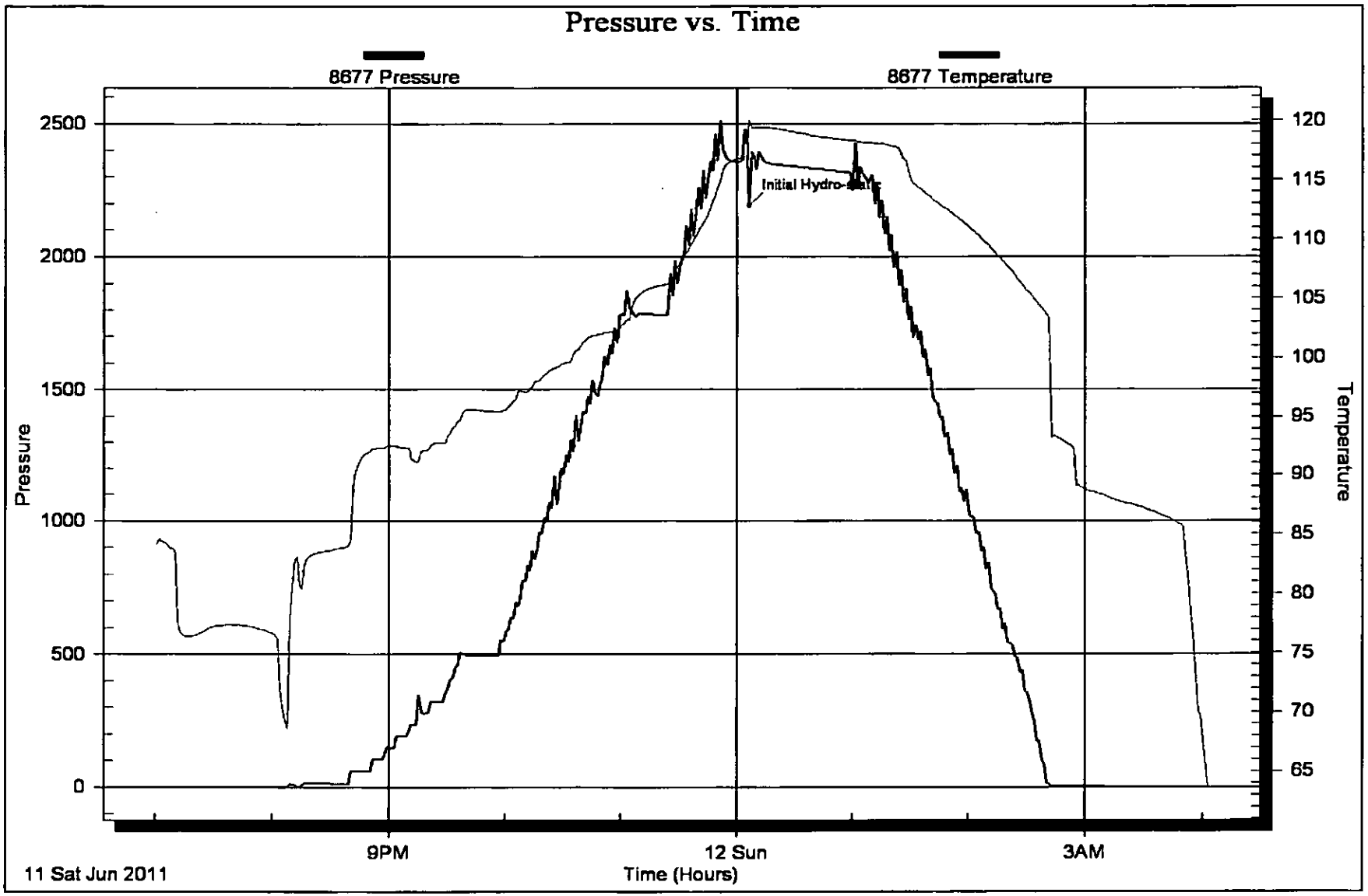
Length ft	Description	Volume bbl
280.00	mud100%	1.377

Total Length: 280.00 ft Total Volume: 1.377 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8677 Pressure
8677 Temperature
Initial Hydro-static
2500
2000
1500
1000
500
0
Pressure
120
115
110
105
100
95
90
85
80
75
70
65
Temperature
9PM
12 Sun
3AM
11 Sat Jun 2011
Time (Hours)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42212 **DST#: 4**

Test Start: 2011.06.12 @ 04:15:44

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:17:29
Time Test Ended: 17:47:14

Test Type: Conventional Bottom Hole
Tester: Mike Slemp
Unit No: 53

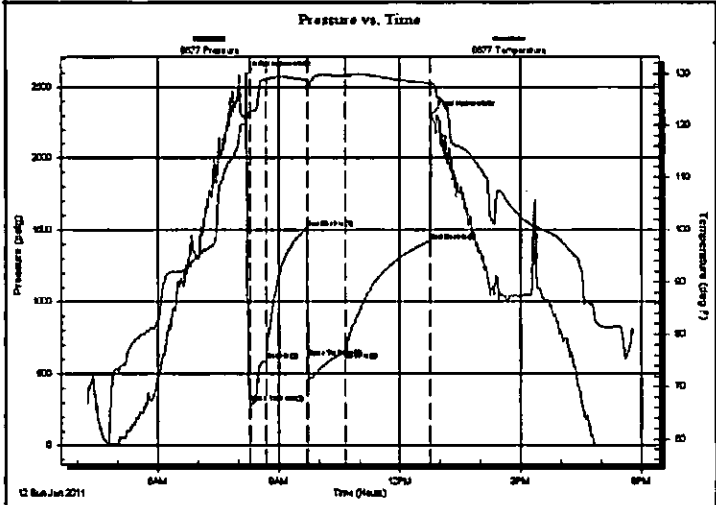
Interval: 4958.00 ft (KB) To 4995.00 ft (KB) (TVD)
Total Depth: 4995.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2972.00 ft (KB)
2962.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8677 **Inside**
Press@RunDepth: 651.60 psig @ 4960.00 ft (KB)
Start Date: 2011.06.12 End Date: 2011.06.12
Start Time: 04:15:45 End Time: 17:47:14

Capacity: 8000.00 psig
Last Calib.: 2011.06.12
Time On Btm: 2011.06.12 @ 08:12:14
Time Off Btm: 2011.06.12 @ 12:46:59

TEST COMMENT: IF- BOB in 1 min
ISI- BOB blow back
FF- BOB ASAO GTS ASAO TSTM
FSI- BOB blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2587.48	120.34	Initial Hydro-static
6	301.83	122.73	Open To Flow (1)
30	593.05	128.84	Shut-In(1)
90	1510.38	128.78	End Shut-In(1)
91	614.42	128.19	Open To Flow (2)
147	651.60	129.59	Shut-In(2)
273	1418.96	128.14	End Shut-In(2)
275	2307.31	128.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2521.00	100%oil	29.50
94.00	OCM 50%Oil20%mud 30%gas	1.32

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42212 **DST#: 4**

Test Start: 2011.06.12 @ 04:15:44

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.06 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2200.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

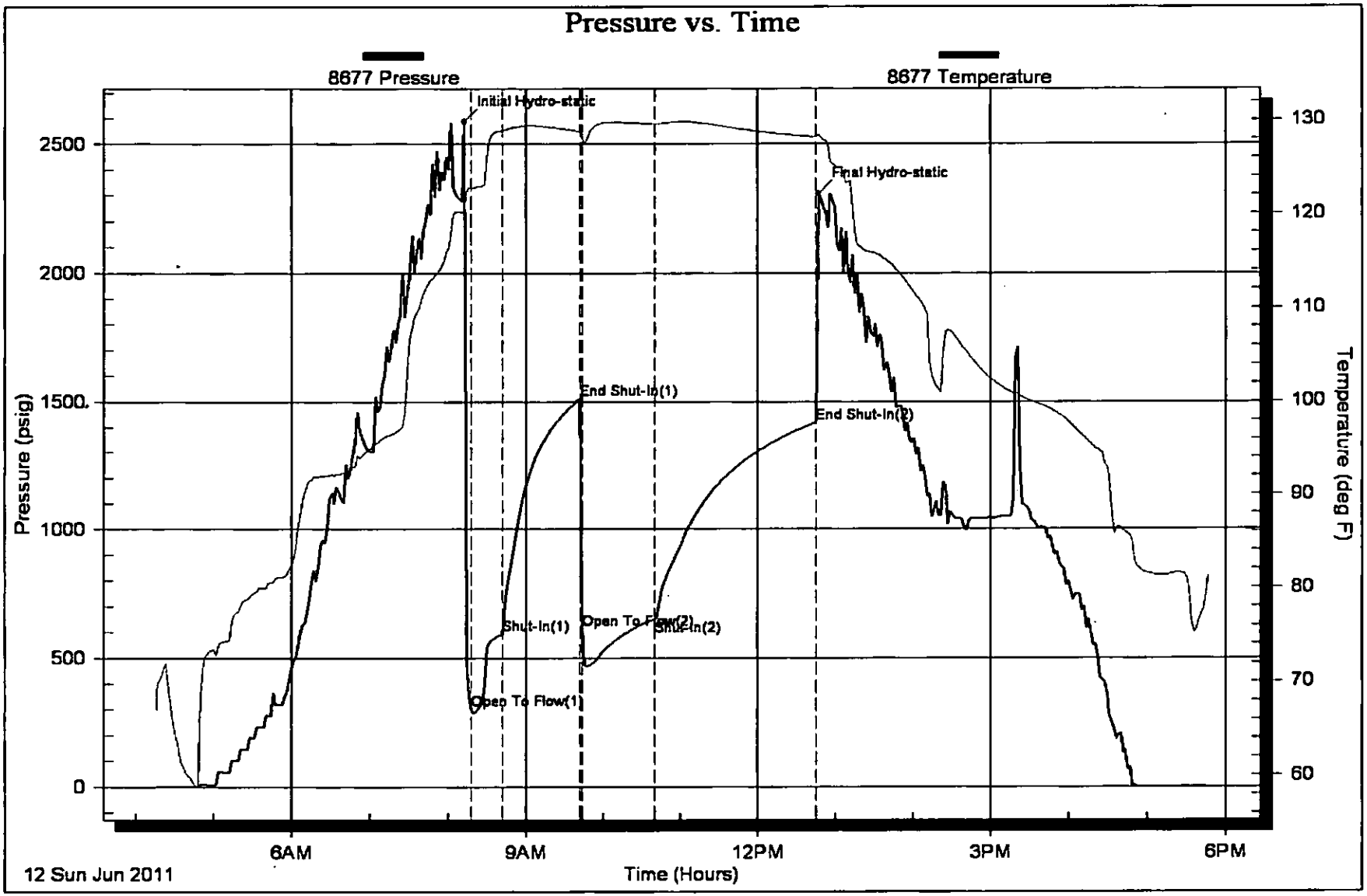
Length ft	Description	Volume bbl
2521.00	100%oil	29.496
94.00	OCM 50%Oil20%mud 30%gas	1.319

Total Length: 2615.00 ft Total Volume: 30.815 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8677 Pressure
8677 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Open To Flow(1)
2500
2000
1500
1000
500
0
Pressure (psig)
130
120
110
100
90
80
70
60
Temperature (deg F)
6AM
9AM
12PM
3PM
6PM
12 Sun Jun 2011
Time (Hours)

DRILL STEM TEST REPORT

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42213 **DST#: 5**

Test Start: 2011.06.13 @ 20:55:17

GENERAL INFORMATION:

Formation: **Lower Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:42:32
Time Test Ended: 08:34:47

Test Type: Conventional Bottom Hole
Tester: Mike Slemp
Unit No: 53

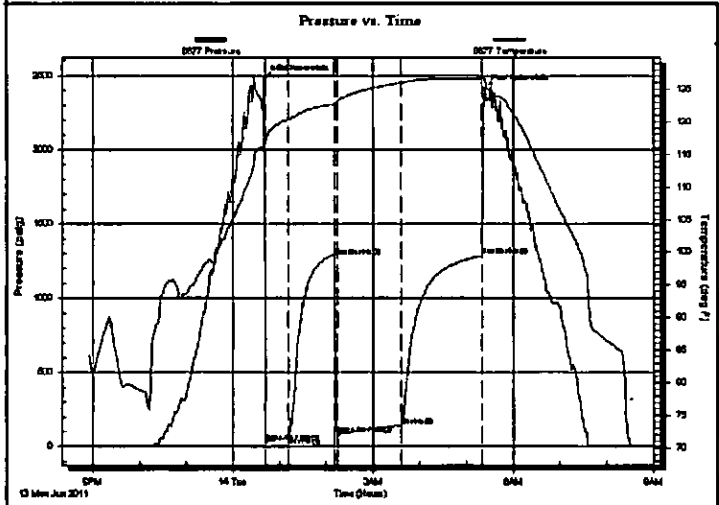
Interval: 5051.00 ft (KB) To 5063.00 ft (KB) (TVD)
Total Depth: 5063.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2972.00 ft (KB)
2962.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8677 **Inside**
Press@RunDepth: 142.45 psig @ 5053.00 ft (KB)
Start Date: 2011.06.13 End Date: 2011.06.14
Start Time: 20:55:18 End Time: 08:34:47

Capacity: 8000.00 psig
Last Calib.: 2011.06.14
Time On Btm: 2011.06.14 @ 00:41:02
Time Off Btm: 2011.06.14 @ 05:23:02

TEST COMMENT: IF- BOB in 20 min
ISI- No blow back
FF-bob in 3 min
FSI- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2476.95	116.03	Initial Hydro-static
2	30.62	116.91	Open To Flow (1)
30	63.36	120.28	Shut-In(1)
90	1283.53	122.67	End Shut-In(1)
93	78.62	123.10	Open To Flow (2)
176	142.45	126.00	Shut-In(2)
279	1284.87	126.65	End Shut-In(2)
282	2412.66	126.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	GCO 50%oil 50%gas	1.33
90.00	OCM20%gas10%oil20%water50%mud	0.44

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco

2020 Bramblewood
Wichita Ks,67206

ATTN: Ed Grieves

Barker #1-23

23/26s/34w

Job Ticket: 42213 **DST#: 5**

Test Start: 2011.06.13 @ 20:55:17

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	31 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4400.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

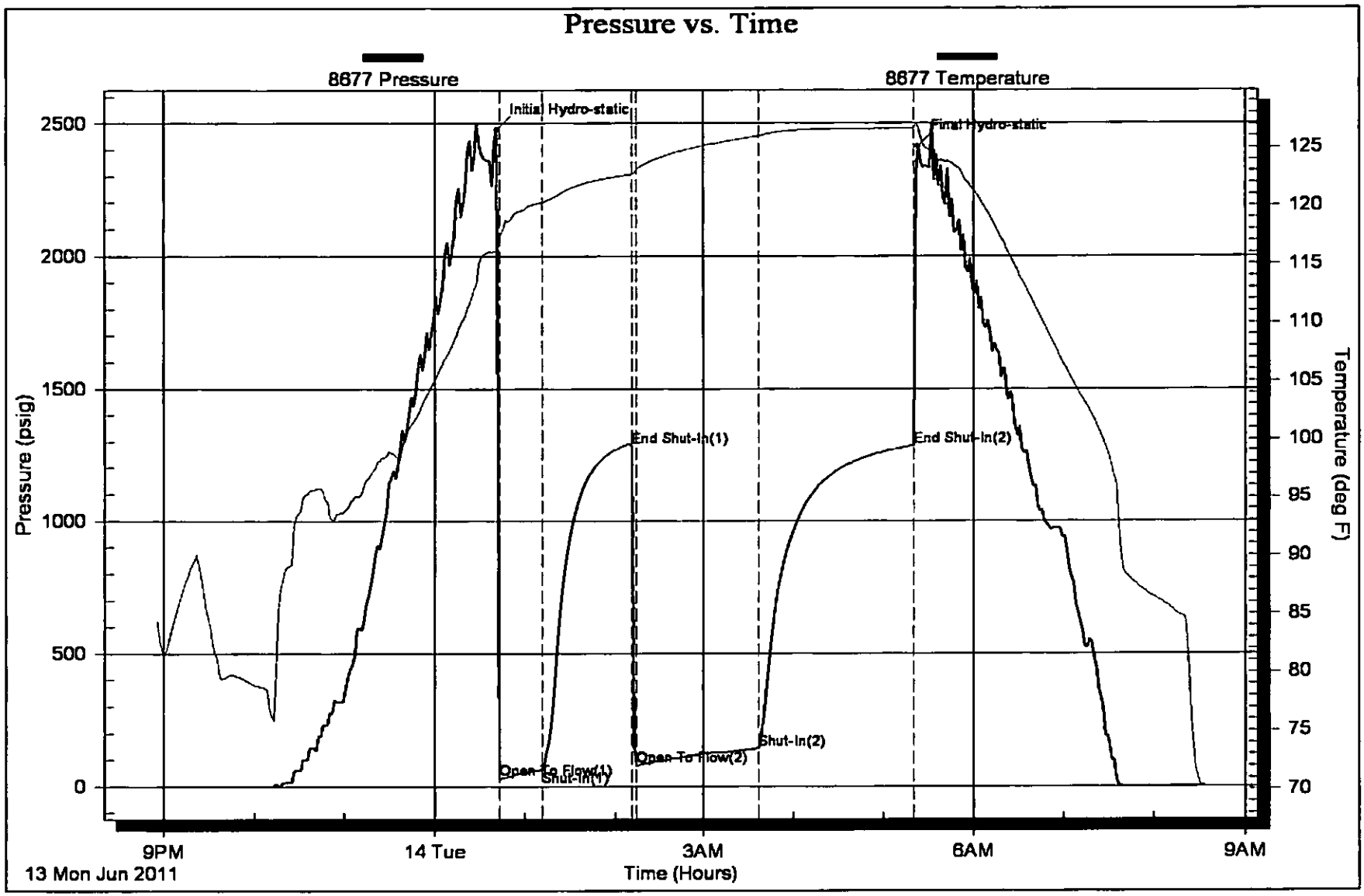
Length ft	Description	Volume bbl
270.00	GCO 50%oil 50%gas	1.328
90.00	OCM20%gas10%oil20%water50%mud	0.443

Total Length: 360.00 ft Total Volume: 1.771 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8677 Pressure
8677 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2500
2000
1500
1000
500
0
125
120
115
110
105
100
95
90
85
80
75
70
9PM
14 Tue
3AM
6AM
9AM
13 Mon Jun 2011
Time (Hours)

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/

October 20, 2011

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

Re: ACO1
API 15-055-22104-00-00
Barker 1-23
SE/4 Sec.23-26S-34W
Finney 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

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/

October 21, 2011

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

Re: ACO-1
API 15-055-22104-00-00
Barker 1-23
SE/4 Sec.23-26S-34W
Finney County, Kansas

Dear Evan Mayhew:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 05/31/2011 and the ACO-1 was received on October 20, 2011 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department