



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 |
|---|---|

| 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 |
|-----------------------------------|-----------|---------|-------------|---------------|---------|

| | | |
|---|--|--|
| 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: _____ _____ |
|---|--|--|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | BEREXCO LLC |
| Well Name | Doerksen B 1-27 |
| Doc ID | 1062871 |

Tops

| Name | Top | Datum |
|----------------|------|-------|
| Heebner (base) | 4043 | -1031 |
| Lansing | 4128 | -1116 |
| Marmaton | 4693 | -1681 |
| Cherokee | 4872 | -1860 |
| Morrow | 5215 | -2203 |
| Chester | 5386 | -2374 |
| St. Louis | 5646 | -2634 |
| RTD | 5765 | ----- |

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 20, 2011

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

Re: ACO1
API 15-081-21950-00-00
Doerksen B 1-27
NE/4 Sec.27-28S-34W
Haskell County, Kansas

Dear Production Department:

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

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

Respectfully,
Evan Mayhew

GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG

COMPANY **BEREXCO LLC**

LEASE **DOERKSEN B** NO. **L-27**
 LOCATION **335th N. & 89th E**
 SEC. **27** TWP. **28S** RANG. **34W**
 COUNTY **HASKELL** STATE **KANSAS**
 FIELD **EUBANK N.**

CONTRACTOR **BEREDCO DRILG. RIG NO. 2**

COMM. **7-16-2011** COMP. **8-6-2011**
 RTD **5770** LTD **5765**

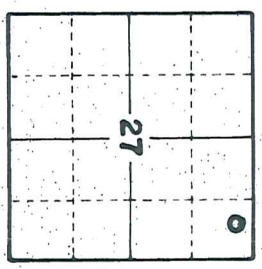
No. of DST'S **8** No. of CORES **NONE**

SAMPLES SAVED FROM **3500** TO **TD**
 DRILLING TIME KEPT FROM **3500** TO **TD**
 SAMPLES EXAMINED FROM **3500** TO **TD**
 GEOLOGICAL SUPERVISION FROM **3500** TO **TD**

GEOLOGIST ON WELL **EDWIN H. GRIEVES**

FORMATION TOPS

| FORMATION | SAMPLE | LOG | SUBSEA |
|--------------|--------|------|--------|
| BASE HEEBNER | 4046 | 4043 | -1091 |
| LANSING | 4132 | 4128 | -1116 |
| MARMATON | 4675 | 4673 | -1681 |
| CHEROKEE | 4883 | 4872 | -1860 |
| MORROW | 5214 | 5215 | -2203 |
| CHESTER FM. | 5399 | 5386 | -2374 |
| ST. LOUIS | 5649 | 5646 | -2634 |
| TD | 5770 | 5765 | |



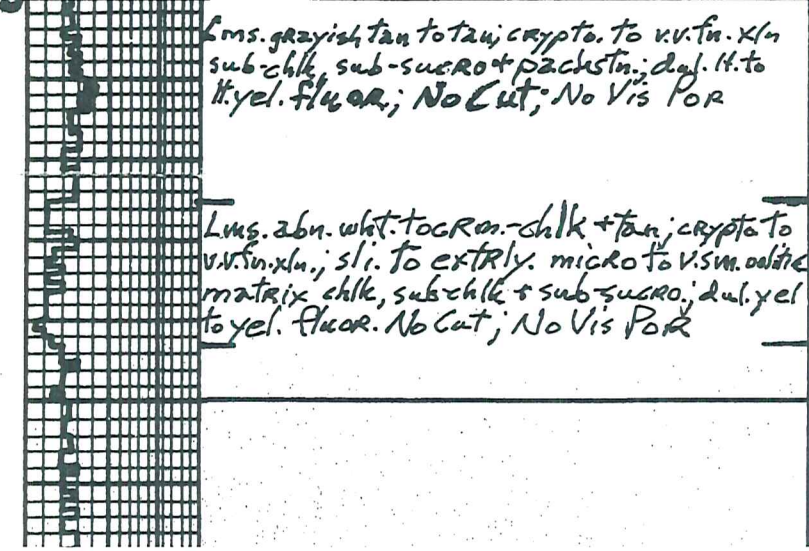
ELEVATIONS
 KB **3012**
 DF **3009**
 GL **2999**
 MEASUREMENTS ARE ALL FROM **KB**

SCASING RECORD
 8/8 at 1786 w' / SX.
 dt w / SX.
 dt w / SX.
 dt w / SX.
 EL. LOG DIL. SP. GR. DEN. NEUT. GR. CALLIPER ML

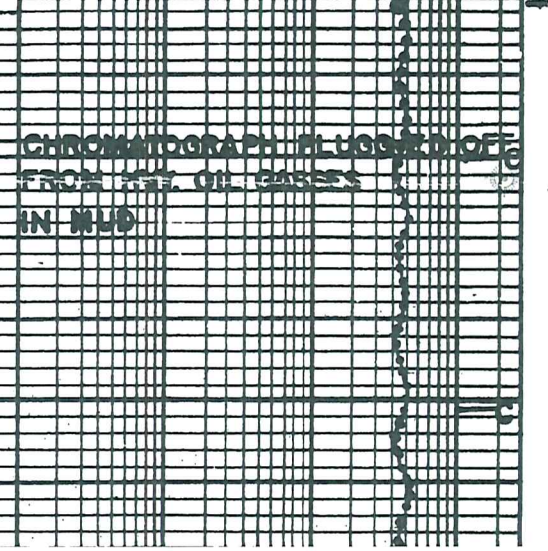
REMARKS *Earth-Tech had an unmanned gas detection trailer on this well from 3500 feet to total depth.*

*Thank You,
 Edwin H. Grievess
 Geologist*

0 5 10 15 20 25 30



0 10 100 1000



Interbedded Limestones

① Slower Drlg Lms H. grey. -slit to finely shly. IP's to tan; crypto. to v. v. fn. xln sub-chlk, sub-sucro. & packstn w/ trs sub-lithoggr; dul. yel. fluor.; No Cut No Vis Por.

② Faster Drlg. Lms. tan. to zbn. wht. to crm-chlk + tan; crypto. to v. v. fn. xln. sub-chlk, sub-sucro. to sucro + trs packstn; oolitic IP's (tan w/ trs. gray.); dul. H to tan. H. yel. fluor.; No Cut; abn poor to trs fr. to gd. micro-pp por. and poss. interxn por. IP's

3600 DISPLACED MUD SYSTEM 3602

Lms extr. abn wht to crm-chlk + crm.

crypto to v. v. fn. xln; sub-chlk, sub-sucro to sucro; slit to extly oolitic IP's; dul H to lt. yel. fluor.; No Cut; v. zbn pr, fr, good to trs excel. micro-pp por

Lms crm. to tan, greyish IP's; crypto to v. v. fn xln; sub-sucro + packstn; slit to very oolitic IP's; dul yel. fluor.; No Cut; No Vis Por

3700

Interbedded Limestones

① Faster Drlg. Lms. hvrtastov. zbn wht. to crm-chlk + H. tan to tan; crypto to v. v. fn. xln; phantom oolitic and/or oolitic IP's; sub-chlk, sub-sucro to sucro; dul. yel. to dul. H. yel. + slit. trs H. yel. fluor.; No Cut; abn pr. fr. to gd. + trs. excel. micro-pp + poss. interxn porosity

② Slower Drlg. Lms. tan, greyish IP's; crypto to v. v. fn. xln; sub-chlk, sub-sucro and packstn; dul. yel. fluor.; No Cut; No Vis Por.

3800

Lms. H. grey. to tan; crypto. to v. v. fn. xln; slit. trs. chlk, sub-sucro to packstn; dul. yel. fluor.; No Cut; No Vis Por.

Lms. trs. to hvy trs. wht. to crm-chlk and lt. gray. grading. to tan; crypto. to v.v. fn. xln.; trs. sub-chlk, sub-sucro. to sucro. + trs. to hvy. trs. packstn; phantom oolitic IP's; dul. lt. to sli. trs. lt. yel. fluor.; No cut; zbn. pr., fr., gd. to excel. p.p., micro-p.p. + prob. interxln. por

3900

Lms. lt. gray - shly. to tan, mottled IP's; crypto to v.v. fn. xln.; sub-chlk, sub-sucro. + packstn phantom oolitic (tan & lt. gray.); dul. yel. fluor. IP's; No cut; No Vis POR.

4000

Lms. trs. wht. to crm-chlk & grayish tan to tan; v.v. fn. xln.; sub-sucro. to v. sucro. v. early phantom oolitic to micro-oolitic IP's; dul. yel. to dul. lt. yel. fluor.; No cut; zbn. pr. to fr. & hvy trs. gd. to excel. micro-oolitic, micro-pp. + prob. interxln. por. IP's

Lms. lt. gray. to tanish gray; crypto. to v.v. fn. xln trs. sub-sucro, packstn. hvy trs. sub-lithog. v. dul. yel. fluor. IP's; No cut; No Vis POR

Sh. v. drk. gray. to black-carb

Lms. similar 4330-4341

Sh. lt. gray. lt. green to olive green, silty IP's

Lms. hvy trs. wht. to crm-chlk + tan; crypto to v.v. fn. xln.; sub-chlk, sub-sucro to sucro and packstn.; dul. yel. fluor.; No cut; zbn. pr. to fr. + trs. gd. pen. point; micro-pp. por. w/poss. interxln. por. IP's

4076-4132 Interbedded Limestones & Shales

① Lms. trs. wht. to crm-chlk + lt. gray, grayish tan to tan; crypto to v.v. fn. xln.; trs. sub-chlk, sub-sucro. + packstn.; dul. yel. fluor.; No cut No Vis POR.

② Sh med. to v. drk. gray, sli. to extaly calc IP's w/trs black-carb. looking

4100

A. 4132-4140 Lms. tan; crypto. to v.v. fn. xln sub-chlk, sub-sucro + packstn; trs. ph. to tom. oolitic IP's; dul. yel. fluor. No cut; No Vis POR

B. 4140-4152 Lms. trs. wht to crm-chlk and lt. tan w/sptd to trs. even tan oil str. crypto. to v.v. fn. xln.; trs. sub-chlk, sub-sucro to sucro, trs. f. ss; gd. oil, odel (Sulfuric); bat. yel. to brt. greenish yel. fluor w/gd. string cuts; zbn. pr, fr, to gd. + trs. excel. p.p., micro-pp + prob. interxln. por IP's

C. 4152-4157 Lms. similar 4132-4140

D. 4157-4166 Lms. ext. zbn. wht. to crm-chlk + tan; crypto. to v.v. fn. xln.; sub-chlk, sub-sucro to v. sli. trs. sucro; v. widely scattered trs. drk. tan. oil str. w/ yel. fluor + gd. string cuts; v. sli. trs. w/v. poor micro-pp por.; very very Quest Perm

E. 4166-4171 Lms similar 4132-4140

F. 4171-4183 Sh med to drk gray, greenish IP's to brnsh IP's; sli. to v. calc. IP's

G. 4183-4188 Lms. lt. tan w/scattered trs sptd tan oil str., sli oil odel; crypto to v.v. fn. xln sub-sucro to sucro; zbn. brn yel. fluor scattered trs. w/faint to fr. string cuts top gd. ring cuts; v. scattered trs v. poor pp. to micro-pp. por.

H. 4188-4196 Lms. trs. wht. to crm-chlk + tan w/ scattered v. sli. drk. tan sptd oil str.; crypto. to v.v. fn. xln.; sub-chlk, sub-sucro to sucro + trs. packstn.; tan wht. fn. to med calc xlt. fr. to oil odel; dul. yel. to gd. yel. fluor. w/ trs. w/ fr. string cuts faint to gd. ring cuts; hvy trs. or to trs. fr. micro-pp. por. + prob. interxln. por. IP's

I. Quest Perm w/hvy trs. chert. arr. to brn. ool.

4200

Brickhead
4045-4034

??

TRAP CHECK

Lansing Fm
4152-4180

SHOW 32U
MOB 42000 PPS
RPM 70
SPM 60
PP 1000

SHOW 24U
CFS
CFS

HVY. OIL GASSES PLUGGED

I 4196-4206 Lms. trs. wht to CRM-chlk and tan; crypto to v.v. fu. xln; sub-chlk sub-sucro to trs. sucro + packstn; dul. yel fluor; No Cut; No Vis POR

J 4206-4214 Lms. lt. gry. to gryish. tan crypto to v.v. fu. xln; sub-chlk; sub-sucro and packstn; dul. yel. fluor; No Cut; No Vis POR

K 4214-4244 Lms. abn. wht. to CRM-chlk + tan to H. tan; crypto to v.v. fu. xln; sub-chlk; sub-sucro to sucro + trs. packstn; dul. H. to H. yel. fluor; No Cut; phantom oolitic IP's; abn. peto to trs. + trs. gd. micro-pp POR IP's

4244-4265 Lms. lt. gry. to tan; crypto to v.v. fu. xln; sub-chlk; sub-sucro + packstn; dul. H. to H. yel. fluor; No Cut; No Vis POR w/ trs. chert gry.; opaque

4265-4274 Lms. tan; v.v. fu. xln; sub-sucro to sucro dul. yel. fluor.; No Cut; abn. pr. peto to trs. excel. micro-pp. POR; Quest. Perm.

4274-4292 Lms. w/ abn. chert similar 4244-4265

4292-4332 Lms. abn. wht to CRM-chlk and tan; crypto. to v.v. fu. xln; sub-chlk; sub-sucro. to v.v. sucro.; SLI trs. phantom oolitic to v. SLI trs. oolitic; dul. yel. to trs. yel. fluor.; No Cut; abn. pr. to trs. + trs. gd. to excel IP's pin point; micro-pp + Prob. interdn POR

4332-4349 Lms. lt. to med. gry.; sh. to extly. sh. grndg. to extly. cal. sh.; crypto. to v.v. fu. xln; sub-chlk + trs. sh. sub-sucro + packstn; dul. yel to dul. H. yel. fluor. IP's; No Cut; No Vis POR

Sh med. to dark. grey cal. to black-cal. b.

4354-4368 Lms. grndg. to shs similar 4332-4349

4368-4375 Lms. abn. wht. to CRM-chlk + tan; crypto to v.v. fu. xln; v. to extly. oolitic + trs. oolitic; matrix trs. sub-chlk; sub-sucro. to trs. sucro. + packstn; dul. H. to H. yel. fluor.; No Cut; abn. pr. to trs. gd. to excel. oolitic por. Very Quest. Perm.

4375-4397 Lms. lt. gry. to tanish gry. to gryish. tan; crypto to v.v. fu. xln; sub-chlk; sub-sucro packstn + sub-lithogry.; dul. H. to dul. yel. fluor; No Cut No Vis POR

4397-4403 Lms. trs. wht. to CRM-chlk + tan; crypto. to v.v. fu. xln; v. to extly. oolitic + trs. oolitic; matrix trs. sub-chlk; sub-sucro + packstn; dul. H. yel. fluor.; No Cut; abn. pr. to trs. oolitic por.; Prob. No Perm

4403-4435 Lms. lt. gry. to tan + trs. med. gry.; sh. to v. sh. IP's; crypto. to v.v. fu. xln; sub-chlk; sub-sucro., packstn. + sh. trs. sub-lithogry.; trs. phantom oolitic to trs. oolitic; dul. yel to dul. H. yel. fluor; No Cut; No Vis POR

4435-4448 Lms. similar 4397-4403

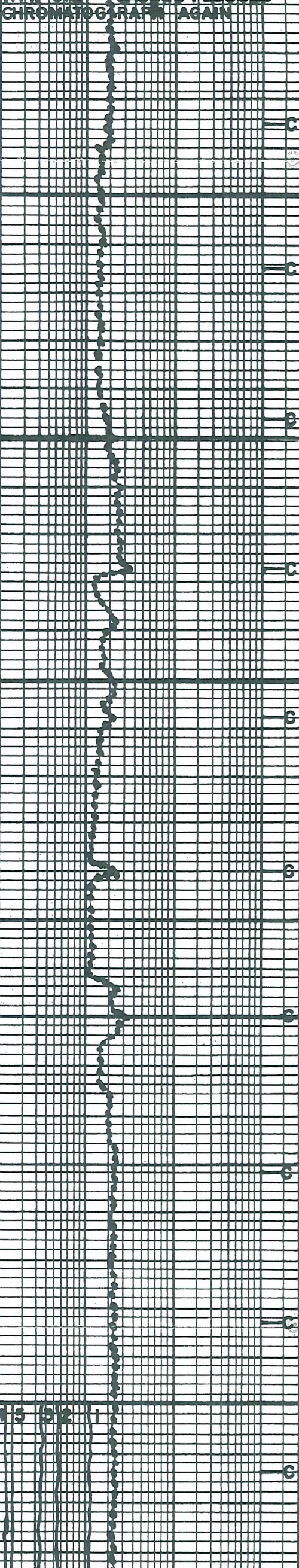
4448-4459 Lms. similar 4403-4435

4459-4536 Lms. abn. wht. to CRM-chlk and gryish. tan to tan; crypto. to v.v. fu. xln; sub-chlk sub-sucro. to sucro; trs. phantom oolitic to trs. oolitic (tan w/ trs. lt. gry.) + trs. phantom oolitic to trs. oolitic; dul. H. to trs. H. yel. fluor; No Cut; abn. pr. to trs. gd. oolitic; p.p. to micro-pp POR Quest. Perm.

4300

4400

4500



Shale Black-carb
4539-4550 Sh med to drk grey; sli to extly calc

INDLK SH 42U
Kansas City
4539-1532

Lms. trs. wht. to crm-chlk + tan; crypto to v.v. in xln; extly oolitic for sli to extly oolitic; matrix sli. trs. sub-chlk, sub-sucro + v. sucro; glan. yel fluor. w/ milky to faint ring cuts; IP's; trs. pr abn. fatogd + excel. oolitic; pp. micro-pp. and interxln. porosity

4565-4592 Interbedded Limestones
1. Faster Drlg. Lms. similar 4550-4565 becoming less oolitic + more oolitic
2. Slower Drlg. Lms. H. gry to tan; crypto to v. in xln; sub-chlk, sub-sucro + packstn v. dul. yel. fluor; No cut; No Vis POR

4592-4602 Lms. H. to med. gry. v. to extly shly grading to extly calc sh; crypto. to v. in xln; sub-chlk, sub-sucro + packstn; v. dul. yel. fluor. IP's; No cut; No Vis. POR.

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

4610-4640 Lms. H. gry. to tan; crypto. to v. in xln; sub-chlk, sub-sucro, packstn + sub-lithogr. v. dul. H. yel. fluor; No cut; No Vis POR

4640-4652 Sh med to v. drk gry. v. to extly calc grading to extly shly lms ts

4652-66 Lms. H. gry to tan, mottled IP's; crypto to v. in xln; abn. sli. to extly oolitic (tan + H. to med gry) matrix ext. chlk, sub-chlk, sub-sucro + packstn; v. dul. H. yel. fluor; No cut; No Vis POR.

4666-4675 Lms. H. gry; crypto. to v. in xln; sub-chlk, sub-sucro + packstn; sli. oolitic IP's; dul. H. yel. fluor. No cut; No Vis POR

4675-4684 Lms similar 4652-4666

4684-4695 Lms H. to drk gry. v. to extly shly. grading to extly calc sh; crypto to v. in xln; sub-chlk, sub-sucro + packstn; No fluor; No cut; No Vis POR.

4695-4722 Lms. tan to hv. trs. wht. to crm-chlk + gryish tan to tan; crypto. to v. in xln; abn. phantom oolitic; sub-chlk, sub-sucro, packstn + trs sub-lithogr; dul. yel to tes yel fluor; No cut; No Vis POR

4722-4732 Lms. H. to med gry-shly to tan; crypto. to v. in xln; sub-chlk, v. shly sub-sucro + packstn; dul. H. to H. yel fluor; No cut; No Vis. POR.

4732-4742 Lms. trs. wht. to crm-chlk + tan; crypto. to v. in xln; extly oolitic for sli. to v. oolitic; matrix trs. sub-chlk, sub-sucro + trs sucro + trs packstn + sp. pr; glan. yel. fluor. w/ hv. trs w/ milky to faint ring cuts; hv. trs. pr to trs + abn. fatogd + excel. oolitic por and hv. trs. pr to trs + p.p. micro-pp. + interxln. por; majorly v. Quest Fern.

4742-4787 Interbedded Limestones
① Lms. gryish. tan to tan; crypto to v. in xln; sub-chlk, sub-sucro + packstn; dul. yel. fluor. No cut No Vis. POR.

② Lms. H. to med. gry, tanish IP's; crypto to v. in xln; sli. to extly shly; sub-chlk, sub-sucro, packstn and sub-lith. bgraphis; v. dul. yel. fluor; No cut; No Vis POR.

③ trs Chert gry to tan; opque

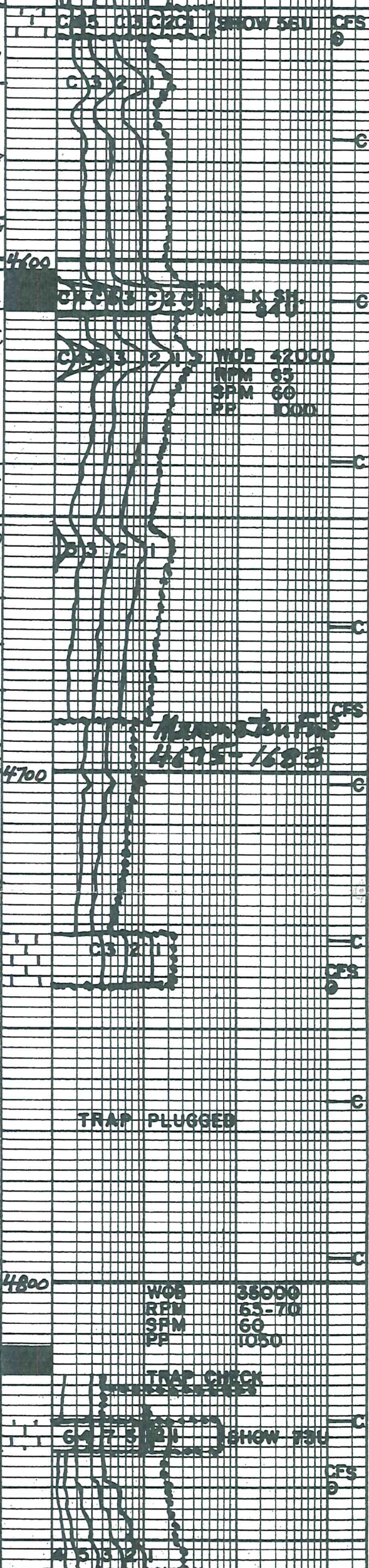
4787-4796 Lms H. gry to tan, mottled IP's crypto. to v. in xln; v. to extly oolitic; gryish tan to tan sli. oolitic; sub-chlk, sub-sucro + packstn; dul. yel. fluor; No cut; trs. pr. oolitic por. Prob No Fern.

4796-4813 Lms. H. to med. gry; tanish IP's; crypto to v. in xln; sli. to extly shly; sub-chlk, sub-sucro + packstn; dul. yel. fluor; No cut No Vis. POR

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

4813-4827 Lms. similar 4796-4813
4827-4833 Lms. trs. wht. to crm-chlk + tan w/ sli. darker. sp. pr. oil stain; esp. pr. hv. oil phantom oolitic to oolitic; matrix v. in xln; sub-sucro to extly sucro; grt. glan. yel. fluor. w/ flush to a d. str. ring cuts; abn. fatogd to excel. pp. micro-pp. + interxln. por

4833-4856 Lms. gryish. tan to tan; crypto to v. in xln; sub-chlk, sub-sucro + packstn. No cut; No Vis POR



Sh v.drk.gry. to black-carb.
 4859-4880 Lms. H.gry. to tan; crypto. to v.v. fn. xln; TRS sub-chlk, sub-sucro, packstn to trs. sub-lithographic; dul. yel. fluor. P's; No Cut; No Vis. POR
 Sh med. to v. drk. gray - calc. to tan v. drk. gry. to black-carb. looking

4883-4939 Interbedded Lmsts + Shales
 1. Lms. H. gry. to tan; crypto. to v.v. fn. xln; TRS. sub-sucro, packstn. + sub-lithographic dul. yel. fluor.; No Cut; No Vis. POR.
 2. Lms. H. to med. gry. - sli to extrly. Shly; crypto to v.v. fn xln; sub-chlk + or Shly.; TRS. sub-sucro. + packstn; No fluor. No Cut; No Vis POR.
 3. TRS. Sh. med to v. drk. gry - sli to extrly calc.

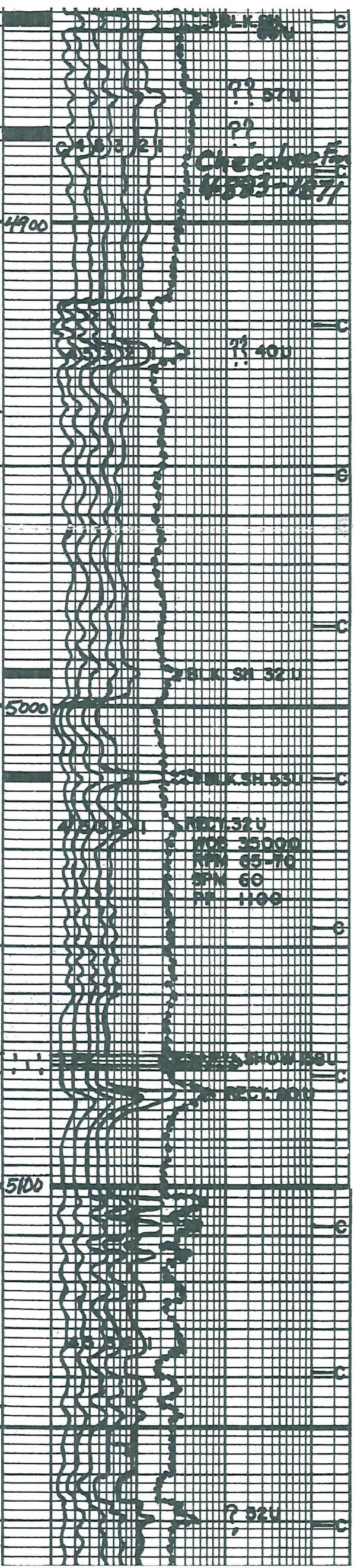
4939-5073 Interbedded Lmsts + Shales
 (A) Lms. med. to drk gry. - v. to extrly Shly grading to extrly. calc. Shs; crypto. to v.v. fn. xln; sub-chlk. + or Shly; TRS. sucro, packstn, + sub-lithographic; some dul yel. fluor.; No Cut; No Vis. POR
 (B) Lms. H. gry. to tan; crypto. to v.v. fn. xln; TRS. sub-chlk, TRS sub-sucro, packstn + sub-lithographic; dul. yel. fluor.; No cut; No Vis POR.
 (C) scattered thin beds Shales med. to v. drk. gry. - calc to v. drk. gry to black-carb.

5073-5077 Lms. tan to brown from oil str; v.v. fn. + v. fn. xln; sub-sucro to v. sucro; phantom oolitic TRS; gldn yel. fluor. w/ flush to excel staining cuts; abn pr. to trs + hu TRS. gd. to excel pinpoint, micro pp. and interxln por

5077-5146 Interbedded Limestones + Shales
 Similar 4939-5073

Interbedded Limestones + Shales
 Similar 4939-5073 w/ abn Shs. + large increase in Black Shs.

5170-5214 Lmst + scattered thin Shales
 1. Lms. H. to med. gry. to tan, mottled TRS



Dev. Surf.:

- | | |
|----------------|----------------|
| 1. 1033 1/4° | 6. 4742 3 1/2° |
| 2. 2490 1 3/4° | 7. 4952 4 1/4° |
| 3. 3645 1° | 8. 5385 5° |
| 4. 4146 2 3/4° | 9. 5490 2 3/4° |
| 5. 4198 2° | 10. 5770 |

TD

Cir. Points:

- | | | |
|---------|----------|----------|
| 1. 4146 | 8. 5340 | 15. 5500 |
| 2. 4195 | 9. 5360 | 16. 5505 |
| 3. 4198 | 10. 5385 | 17. 5515 |
| 4. 4556 | 11. 5450 | 18. 5525 |
| 5. 4690 | 12. 5465 | 19. 5553 |
| 6. 4742 | 13. 5480 | 20. 5770 |
| 7. 4840 | 14. 5490 | |

Daily Delg. Progress:

- | | | |
|----------|---------|-----------|
| 1. 3500 | 3:27 AM | 7-21-2011 |
| 2. 3582 | 7:00 AM | 7-21-2011 |
| 3. 4146 | 7:00 AM | 7-22-2011 |
| 4. 4195 | 7:00 AM | 7-23-2011 |
| 5. 4280 | 7:00 AM | 7-24-2011 |
| 6. 4556 | 7:00 AM | 7-25-2011 |
| 7. 4697 | 7:00 AM | 7-26-2011 |
| 8. 4742 | 7:00 AM | 7-27-2011 |
| 9. 4940 | 7:00 AM | 7-28-2011 |
| 10. 5131 | 7:00 AM | 7-29-2011 |
| 11. 5364 | 7:00 AM | 7-30-2011 |
| 12. 5385 | 7:00 AM | 7-31-2011 |
| 13. 5490 | 7:00 AM | 8-1-2011 |
| 14. 5492 | 7:00 AM | 8-2-2011 |
| 15. 5505 | 7:00 AM | 8-3-2011 |
| 16. 5535 | 7:00 AM | 8-4-2011 |
| 17. 5615 | 7:00 AM | 8-5-2011 |
| 18. 5770 | 7:00 AM | 8-6-2011 |

DST#1 Lansing "A" 4136-4146
 10 Weak surface blow FO No Blow
 Rec 95' wtry Mud Tr oil 40% W. 60% M
 Titrated Chl 13000ppm BHT 113°F
 IHP 1918#

- IFP 19-32# in 30 min
 ISIP 948# in 60 min
 FFP 35-57# in 60 min
 FSIP 940# in 120 min
 FHP 1903

DST#2 Lansing "B" 4186-4198
 10. Weak surface blow died in 15 min
 FO No Blow BHT 113°F
 Rec 15ft 100% Mud
 IHP 1933#

- IFP 21-27# in 30 min.
 ISIP 602# in 60 min
 FFP 27-42# in 60 min.
 FSIP 595# in 120 min.
 FHP 1932#

DST#3 Kansas City "A" 4534-4556
 10. Weak building blow BOB 10 min
 FO Weak building blow BOB 23 min
 Rec 300ft GIP
 1000ft wtry Mud Tr. gas, 82% W; 20% M
 Rw .12 @ 105°F Chl 40000ppm Testok
 Titrated Chl 50200ppm BHT 121°F
 IHP 2176#

- IFP 44-273# in 30 min.
 ISIP 1336# in 60 min.
 FFP 294-462# in 60 min.
 FSIP 1336# in 120 min.
 FHP 2070#

DST#4 Marmaton "A+B" 4702-4742
 10. Weak blow 1 1/2 inch blow in 30 min.
 FO Weak blow 1/2 inch blow in 60 min
 Rec 120' MCW 50% W; 50% M
 Rw .35 @ 70°F Chl 18000ppm Testok
 Titrated Chl 17500ppm BHT 120°F
 IHP 2345#

IFP 23-63# in 30 min.
 ISIP 1147# in 60 min.
 FFP 67-129# in 60 min.
 FSIP 1142# in 120 min.
 FHP 2229#
 DST#5 MORROW 5284-5385
 I.O. Weak surface blow 1/2" in 30 min. F.O. No Blow
 Rec 110ft 100% Mud BHT 126°F
 IHP 2602#
 IFP 61-70# in 30 min
 ISIP 135# in 60 min
 FFP 64-83# in 60 min
 FSIP 171# in 120 min

FHP 2470
 DST#6 Chester Sdst 5462-5490
 I.O. Weak surface blow died at 30 min
 F.O. No Blow Rec 30ft. 100% Mud
 BHT 130°F
 IHP 2651#
 IFP 22-28# in 30 min.
 ISIP 159# in 60 min.
 FFP 29-39# in 60 min.
 FSIP 266# in 120 min.
 FHP 2518#

DST#7 Chester Sdst 5482-5505
 I.O. weak blow 5 inches in 30 min.
 F.O. weak blow 2 inches in 60 min.
 Rec 400ft Total fluid
 300 CLM 10% oil; 90% mud
 370 O+MCW 5% oil; 60% wtr; 35% mud
 BHT 126°F R.w. 4 @ 65°F Chl 19000 ppm Testok
 Titrated Chl 7700 ppm Fiteate wtr.

DST#8 Chester Sdst 5506-5535
 I.O. Weak blow 2 inches in 30 min.
 F.O. weak blow 1 inch in 60 min
 Rec 400ft MCW 90% wtr; 10% Mud
 R.w. 22 @ 85°F Chl 27000 ppm Testok
 Titrated 29800 ppm
 BHT 132°F
 IHP 2566#
 IFP 30-100# in 30 min
 ISIP 643# in 60 min
 FFP 118-203# in 60 min
 FSIP 645# in 120 min
 FHP 2489#

Mud Info:

| Date | 7-20 7:30A | 7-21 3:10P | 7-22 10:50A | 7-23 11:30A | 7-24 1:30P | 7-25 10:00A | 7-26 7:20A | 7-27 5:00P |
|--------|---------------|---------------|----------------|----------------|---------------|----------------|---------------|---------------|
| Depth | 2989 | 3801 | 4446 | 4498 | 4415 | 4558 | 4702 | 4778 |
| WT. | 9.1 | 8.65 | 9.0 | 8.9 | 9.2 | 9.2 | 9.1 | 9.0 |
| Vis | 33 | 53 | 51 | 54 | 51 | 56 | 53 | 48 |
| PV | 3 | 16 | 16 | 16 | 16 | 17 | 17 | 13 |
| YP | 4 | 17 | 18 | 19 | 18 | 21 | 17 | 14 |
| GS | 4/6 | 15/46 | 14/37 | 13/38 | 14/36 | 14/41 | 16/46 | 17/42 |
| WL | N/C | 8.8 | 7.2 | 8.0 | 8.8 | 8.0 | 8.8 | 10.4 |
| Cake | — | 1/32 | 1/32 | 1/32 | 1/32 | 1/32 | 1/32 | 1/32 |
| pH | 7.0 | 11.0 | 11.0 | 10.0 | 9.5 | 10.5 | 10.5 | 9.0 |
| Chl | 19600 | 2600 | 2300 | 2500 | 5500 | 3500 | 2700 | 3500 |
| Ca HVY | 20 | 40 | 40 | 80 | 40 | 20 | 20 | |
| LCM | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |

| Date | 7-28 12:30P | 7-29 10:10P | 7-30 10:30A | 7-31 11:20P | B-1 11:55A | B-2 11:00A | B-3 11:50P | B-4 12:30PM |
|-------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|
| Depth | 4902 | 5191 | 5225 | 5412 | 5492 | 5505 | 5535 | 5535 |

411 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 4

| Date | 7-28 | 7-29 | 7-30 | 7-31 | B-1 | B-2 | B-3 | B-4 |
|-------|-------|-------|--------|--------|-------|--------|--------|---------|
| | 1:30P | 1:10P | 10:30A | 12:00P | 7:55A | 11:00A | 12:55P | 12:30PM |
| Depth | 4786 | 5191 | 5385 | 5418 | 5490 | 5495 | 5505 | 5535 |
| Wt. | 9.1 | 9.1 | 9.15 | 8.95 | 9.1 | 8.95 | 8.85 | 8.9 |
| Vis | 52 | 48 | 68 | 77 | 55 | 68 | 62 | 49 |
| PV | 17 | 14 | 21 | 17 | 16 | 17 | 23 | 14 |
| YP | 18 | 16 | 23 | 21 | 17 | 18 | 24 | 16 |
| GS | 16/48 | 15/44 | 21/69 | 18/59 | 16/50 | 17/53 | 21/62 | 14/45 |
| WL | 9.5 | 9.2 | 9.0 | 10.0 | 8.8 | 8.4 | 8.8 | 9.2 |
| Cake | 1/32 | 1/32 | 1/32 | 1/32 | 1/32 | 1/32 | 1/32 | 1/32 |
| pH | 11.0 | 11.0 | 10.5 | 10.0 | 10.5 | 10.5 | 10.0 | 9.5 |
| chl | 4300 | 2800 | 2100 | 3700 | 4800 | 3600 | 2100 | 2400 |
| Ca | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| LCM | 3 | 3 | 4 | 3 | 2 | 7 | 8 | 6 |

| | | | | | | | |
|-------|-------|--|--|--|--|--|--|
| Date | 8-5 | | | | | | |
| | 9:30A | | | | | | |
| Depth | 5588 | | | | | | |
| Wt. | 8.8 | | | | | | |
| Vis | 45 | | | | | | |
| PV | 13 | | | | | | |
| YP | 14 | | | | | | |
| GS | 13/38 | | | | | | |
| WL | 9.5 | | | | | | |
| Cake | 1/32 | | | | | | |
| pH | 9.5 | | | | | | |
| chl | 2100 | | | | | | |
| Ca | 20 | | | | | | |
| LCM | 6 | | | | | | |

OPERATOR BEREXCO LLC LOCATION 335'FNL & 890'FEL
 LEASE DOERKSEN B. NO. 1-27 SEC. 27 TWP. 28S RANG. 34W
 ELEVATION 3012KB RTD 5770 COUNTY HASKELL STATE KANSAS

ALLIED CEMENTING CO., LLC. 036670

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
LIBERAL KS

| | | | | | | | |
|------------------------------------|---------------------|-----------------------------------|------------------|------------|---------------------|---------------------------|----------------------------|
| DATE <u>7-17-11</u> | SEC. <u>27</u> | TWP. <u>28</u> | RANGE <u>34W</u> | CALLED OUT | ON LOCATION | JOB START <u>10:30 am</u> | JOB FINISH <u>12:00 pm</u> |
| LEASE <u>DOERKSEN</u> | WELL # <u>1-27B</u> | LOCATION <u>83+160 W to Rd EE</u> | | | COUNTY <u>ASKAN</u> | STATE <u>KS</u> | |
| OLD OR NEW (Circle one) <u>NEW</u> | | <u>N 2 mi W + S inty</u> | | | | | |

CONTRACTOR BEREDCO #2

TYPE OF JOB 8 7/8 SURFACE

HOLE SIZE 12 1/4" T.D. 1791'

CASING SIZE 8 7/8-24" DEPTH 1786'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 1100 PSI MINIMUM Ø

MEAS. LINE _____ SHOE JOINT 42.54'

CEMENT LEFT IN CSG. 42.54

PERFS. _____

DISPLACEMENT 110.8 BBL

EQUIPMENT _____

OWNER SAME

CEMENT

AMOUNT ORDERED 650 SK 60/40 8 7/8

GEL 3% CC, 1/4" SK FLOSEAL

150 SK A 3% CC

COMMON 150 @ 16.25 2437.50

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE CC 26 SK @ 58.20 1513.20

ASC _____ @ _____

ALLIED LIFE 650 @ 14.56 9425.00

60/40 8 @ _____

FLOSEAL 168 LB @ 2.70 453.60

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING 833 @ 2.25 1874.25

MILEAGE SK/mi .11 @ _____ 4123.25

TOTAL 19826.90

PUMP TRUCK CEMENTER BOB

372 HELPER CEASAR

BULK TRUCK

470/467 DRIVER RUBIN

BULK TRUCK

456/239 DRIVER RUBIN

REMARKS:

Thank you

pipe cut to surface

CHARGE TO: BER EXCB

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1925.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 90 @ 7.00 630.00

MANIFOLD + HEAD _____ @ _____ 200.00

STUEA m 90 @ 4.00 360.00

TOTAL 3115.00

PLUG & FLOAT EQUIPMENT

8 7/8

1 BASKET @ 478 478.00

3 CEMENTERS @ 64 192.00

1 AFU @ 382 382.00

1 - SW PLUG @ _____ 113.00

TOTAL 1165.00

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 Gilbert Davila Jr

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES \$24106.90

DISCOUNT 4821.38 IF PAID IN 30 DAYS

\$19,285.52

ALLIED CEMENTING CO., LLC. 036609

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Liberal KS.

| | | | | | | | |
|-------------------------|---------------------|----------------------------------|------------------|------------|----------------------|-------------------------|--------------------------|
| DATE <u>8-07-11</u> | SEC. <u>27</u> | TWP <u>28</u> | RANGE <u>34w</u> | CALLED OUT | ON LOCATION | JOB START <u>2:30pm</u> | JOB FINISH <u>4:00pm</u> |
| LEASE <u>Doerksen</u> | WELL # <u>1-27B</u> | LOCATION <u>Vec Sublette KS.</u> | | | COUNTY <u>Finner</u> | STATE <u>KS.</u> | |
| OLD OR NEW (Circle one) | | | | | | | |

CONTRACTOR Bredco #2

TYPE OF JOB 2 stage Production

HOLE SIZE 7 7/8 T.D.

CASING SIZE 5 1/2 DEPTH 5773.22

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DV Tool DEPTH 3205

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42.22

CEMENT LEFT IN CSG. 42.22 ft

PERFS.

DISPLACEMENT 60 BBL H₂O / 76.4 BBL Mud

EQUIPMENT

PUMP TRUCK CEMENTER Kenny

372 HELPER Lenny

BULK TRUCK

470-467 DRIVER Jose

BULK TRUCK

456-239 DRIVER Kenny

REMARKS:

1st Stage

Did not land Plug

THANK you!!

CHARGE TO: Bredco

STREET _____

CITY _____ STATE _____ ZIP _____

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 Dennis Wilson

OWNER

CEMENT

AMOUNT ORDERED 50^{SK} 60/40/18 1/4 Fl

275^{SK} ASC

25^{SK} 60/40/18 1/4 Fl RH / 20^{SK} 60/40/18 1/4 Fl MH

| | | | |
|---------------------|-------------|---|-----------------------------|
| COMMON | @ | | |
| POZMIX | @ | | |
| GEL | @ | | |
| CHLORIDE | @ | | |
| ASC | | | |
| <u>Light weight</u> | <u>95</u> | @ | <u>14.50</u> <u>1377.50</u> |
| <u>Gilsonite</u> | <u>1950</u> | @ | <u>.89</u> <u>1735.50</u> |
| | @ | | |
| | @ | | |
| | @ | | |
| | @ | | |
| | @ | | |
| HANDLING | <u>410</u> | @ | <u>2.25</u> <u>922.50</u> |
| MILEAGE | | | <u>2255.00</u> |
| | | | TOTAL <u>11514.50</u> |

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 2695.00

EXTRA FOOTAGE @ _____

MILEAGE 100 @ 7.00 700.00

MANIFOLD 1 @ 200.00 200.00

100 @ 4.00 400.00

@ _____

TOTAL 3995.00

PLUG & FLOAT EQUIPMENT

| | | | | |
|---------------------|-----------|---|---------------|----------------------|
| <u>DV Tool</u> | <u>1</u> | @ | <u>32.00</u> | <u>3200.00</u> |
| <u>Centralizers</u> | <u>22</u> | @ | <u>49.00</u> | <u>1078.00</u> |
| <u>Baskets</u> | <u>3</u> | @ | <u>300.00</u> | <u>900.00</u> |
| <u>Float shoe</u> | <u>1</u> | @ | <u>349.00</u> | <u>349.00</u> |
| | | @ | | |
| | | | | TOTAL <u>5527.00</u> |

SALES TAX (If Any) _____

TOTAL CHARGES \$ 21036.00

DISCOUNT \$ 15987.36 IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 036610

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Liberal KS.

| | | | | | | | |
|--------------------------------|---------------------|----------------------------------|------------------|------------|----------------------|----------------------------|-----------------------------|
| DATE <u>8.07.11</u> | SEC. <u>27</u> | TWP. <u>28</u> | RANGE <u>34w</u> | CALLED OUT | ON LOCATION | JOB START <u>7:30pm</u> | JOB FINISH <u>9:30pm</u> |
| LEASE <u>Doeksen</u> | WELL # <u>1-27B</u> | LOCATION <u>Vec Sublette KS.</u> | | | COUNTY <u>Finnay</u> | STATE <u>KS.</u> | |
| OLD OR <u>NEW</u> (Circle one) | | | | | | | |

CONTRACTOR Beredeo #2

TYPE OF JOB Production 2 stage

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL DV Tool DEPTH 3205

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 42.22

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 76.4 bbl H₂O

EQUIPMENT

OWNER _____

CEMENT

AMOUNT ORDERED 350 sk 60740/8% ge

1/4 # Flo.

50 sk ASC.

| | | |
|-------------------------|----------------|----------------|
| COMMON _____ | @ _____ | _____ |
| POZMIX _____ | @ _____ | _____ |
| GEL _____ | @ _____ | _____ |
| CHLORIDE _____ | @ _____ | _____ |
| ASC _____ | @ _____ | _____ |
| <u>Light Weight 350</u> | @ <u>14.50</u> | <u>5075.00</u> |
| <u>Flo seal 111</u> | @ <u>2.70</u> | <u>299.70</u> |
| _____ | @ _____ | _____ |
| _____ | @ _____ | _____ |
| _____ | @ _____ | _____ |
| _____ | @ _____ | _____ |
| _____ | @ _____ | _____ |
| HANDLING <u>450</u> | @ <u>2.25</u> | <u>1125.00</u> |
| MILEAGE _____ | _____ | <u>2475.00</u> |
| TOTAL | | <u>9924.70</u> |

PUMP TRUCK CEMENTER Kenny

372 HELPER Lenny

BULK TRUCK

470-467 DRIVER Jose

BULK TRUCK

456-239 DRIVER Kenny

REMARKS:

2nd Stage

SERVICE

DEPTH OF JOB _____ N/A

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL 0

CHARGE TO: Berexco Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

N/A

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 0

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

PRINTED NAME _____

SIGNATURE Dennis Wilson

SALES TAX (If Any) _____

TOTAL CHARGES \$9924.70

DISCOUNT \$7542.77 IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC

Doerksen B 1-27

2020 N Bramblewood Wichita Kansas 67206 1094

27/28/34

ATTN: Ed G.

Job Ticket: 39444

DST#: 1

Test Start: 2011.07.22 @ 16:30:00

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:15:00

Time Test Ended: 02:50:45

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: 4136.00 ft (KB) To 4146.00 ft (KB) (TVD)

Reference Elevations: 3010.00 ft (KB)

Total Depth: 4146.00 ft (KB) (TVD)

2999.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6772 Outside

Press @ Run Depth: 56.96 psig @ 4138.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.22

End Date:

2011.07.23

Last Calib.:

2011.07.23

Start Time:

16:30:05

End Time:

02:50:45

Time On Btm:

2011.07.22 @ 20:10:00

Time Off Btm:

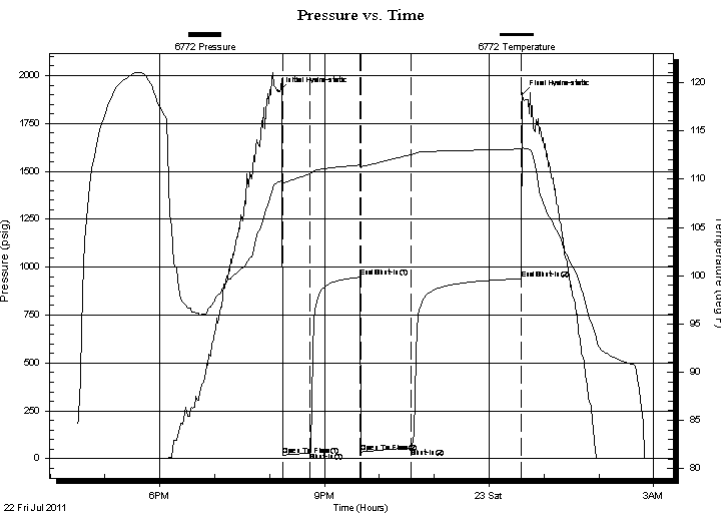
2011.07.23 @ 00:36:15

TEST COMMENT: IF- Weak surface blow .

IS- No blow back.

FF- No blow .

FS- No blow back.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1918.28 | 109.72 | Initial Hydro-static |
| 5 | 18.95 | 109.60 | Open To Flow (1) |
| 34 | 32.10 | 110.55 | Shut-In(1) |
| 89 | 947.99 | 111.45 | End Shut-In(1) |
| 90 | 34.77 | 111.18 | Open To Flow (2) |
| 145 | 56.96 | 112.53 | Shut-In(2) |
| 265 | 939.57 | 113.11 | End Shut-In(2) |
| 267 | 1903.13 | 113.24 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 95.00 | 40% water 60% mud trace of oil | 0.47 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

Doerksen B 1-27

2020 N Bramblewood Wichita Kansas 67206 1094

27/28/34

Job Ticket: 39444

DST#: 1

ATTN: Ed G.

Test Start: 2011.07.22 @ 16:30:00

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:

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: 2300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------------------|---------------|
| 95.00 | 40% water 60% mud trace of oil | 0.467 |

Total Length: 95.00 ft Total Volume: 0.467 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

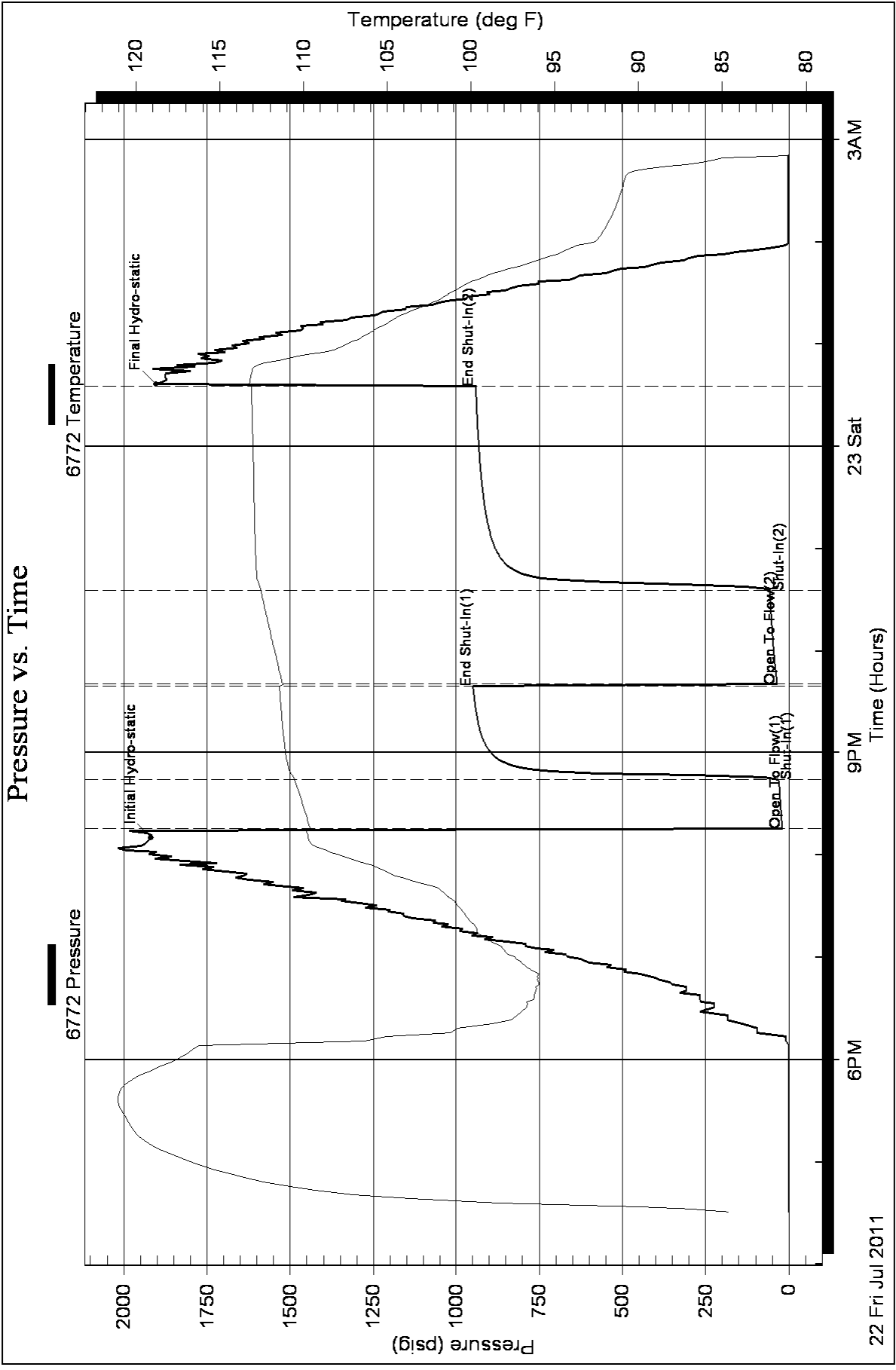
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC

Doerksen B 1-27

2020 N Bramblewood Wichita Kansas 67206 1094

27/28/34

ATTN: Ed G.

Job Ticket: 39445

DST#: 2

Test Start: 2011.07.23 @ 14:00:00

GENERAL INFORMATION:

Formation: **Lansing B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:05:45

Time Test Ended: 23:55:30

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: 4186.00 ft (KB) To 4198.00 ft (KB) (TVD)

Reference Elevations: 3010.00 ft (KB)

Total Depth: 4198.00 ft (KB) (TVD)

2999.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6772 Outside

Press @ RunDepth: 41.61 psig @ 4188.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.23

End Date: 2011.07.23

Last Calib.: 2011.07.23

Start Time: 14:00:05

End Time: 23:55:30

Time On Btm: 2011.07.23 @ 17:03:45

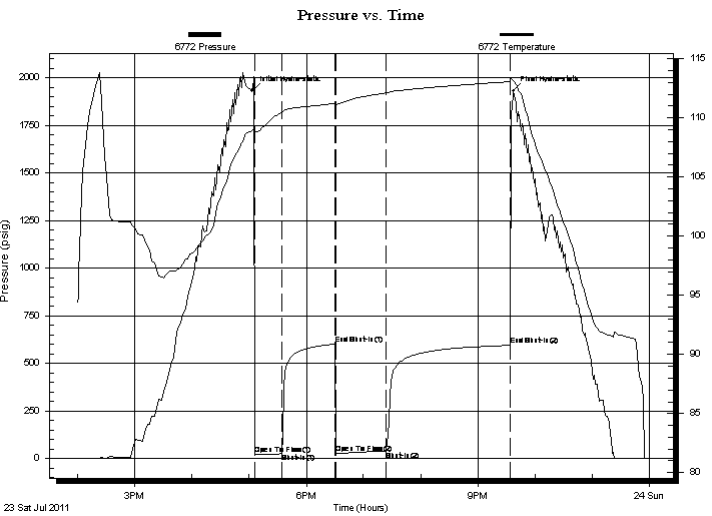
Time Off Btm: 2011.07.23 @ 21:37:30

TEST COMMENT: IF- Weak surface blow that died after 15min.

IS- NO BLOW.

FF- NO BLOW.

FS- NO BLOW.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1932.58 | 108.98 | Initial Hydro-static |
| 2 | 21.18 | 108.74 | Open To Flow (1) |
| 31 | 27.05 | 110.47 | Shut-In(1) |
| 87 | 601.94 | 111.22 | End Shut-In(1) |
| 88 | 27.33 | 111.14 | Open To Flow (2) |
| 140 | 41.61 | 112.11 | Shut-In(2) |
| 271 | 595.26 | 113.07 | End Shut-In(2) |
| 274 | 1932.15 | 113.18 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 15.00 | 100% mud | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

Doerksen B 1-27

2020 N Bramblewood Wichita Kansas 67206 1094

27/28/34

Job Ticket: 39445

DST#: 2

ATTN: Ed G.

Test Start: 2011.07.23 @ 14:00:00

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 15.00 | 100% mud | 0.074 |

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

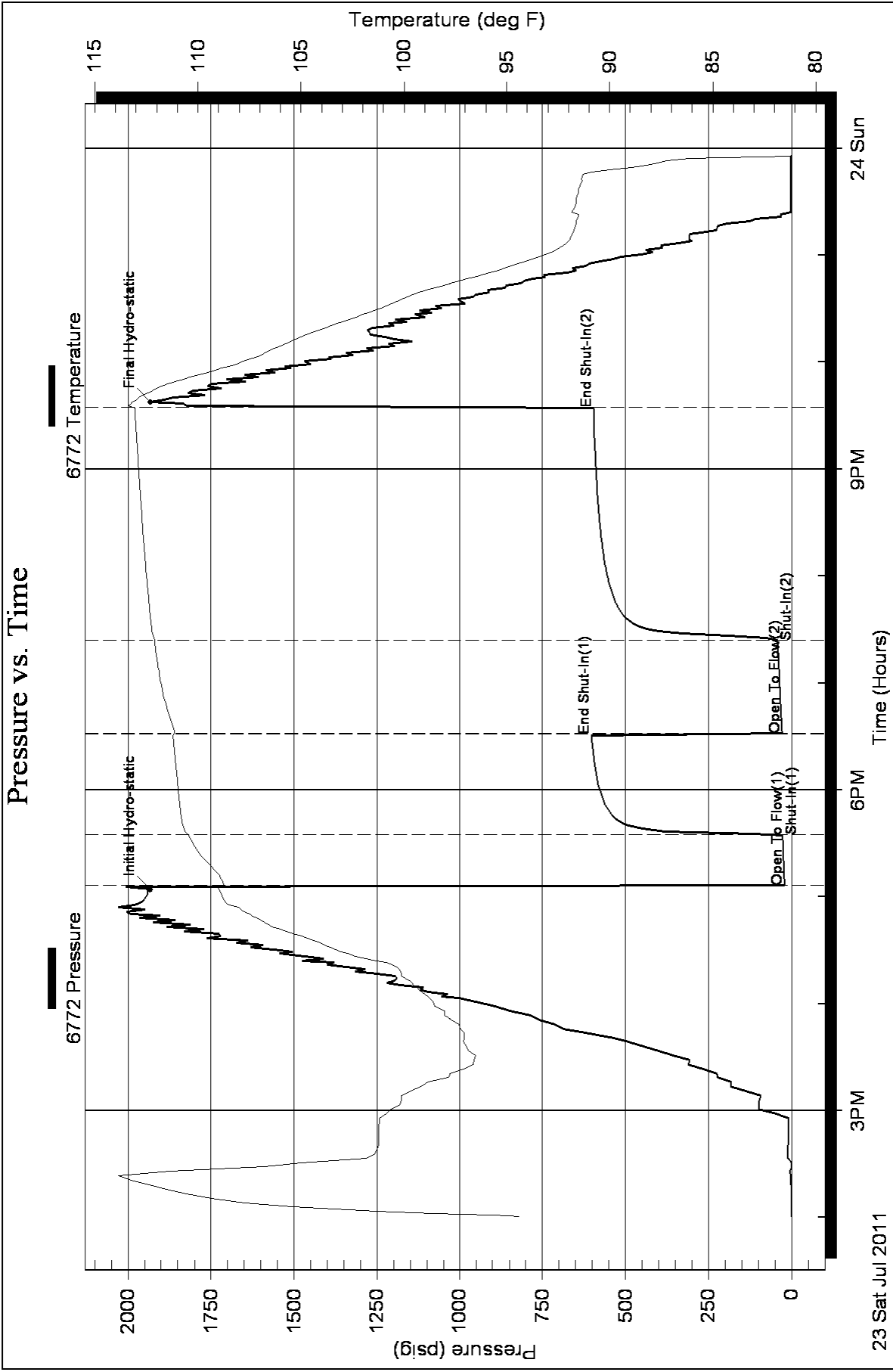
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC

Doerksen B 1-27

2020 N Bramblewood Wichita Kansas 67206 1094

27/28/34

ATTN: Ed G.

Job Ticket: 39446

DST#: 3

Test Start: 2011.07.25 @ 05:30:00

GENERAL INFORMATION:

Formation: **KC. A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:30

Time Test Ended: 15:50:30

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: 4534.00 ft (KB) To 4556.00 ft (KB) (TVD)

Reference Elevations: 3010.00 ft (KB)

Total Depth: 4556.00 ft (KB) (TVD)

2999.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6772 Outside

Press @ Run Depth: 461.81 psig @ 4536.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.25

End Date:

2011.07.25

Last Calib.:

2011.07.25

Start Time: 05:30:05

End Time:

15:50:30

Time On Btm:

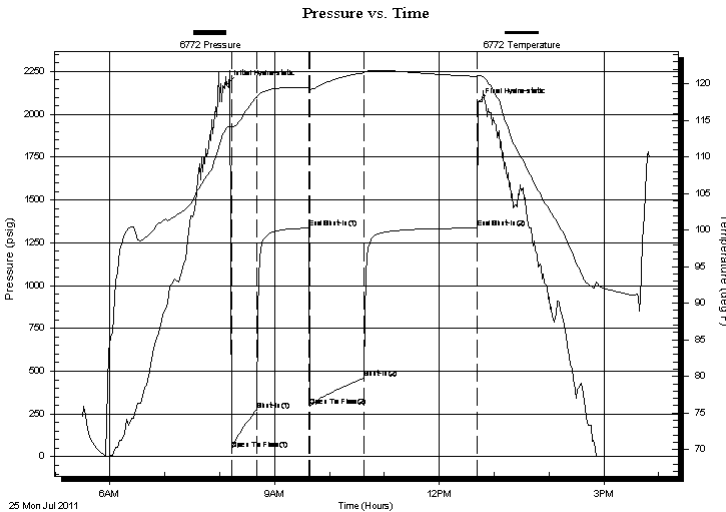
2011.07.25 @ 08:07:30

Time Off Btm:

2011.07.25 @ 12:42:30

TEST COMMENT: IF- Weak building blow BOB, 10min.
 IS- No blow back.
 FF- Weak building blow BOB, 23min.
 FS- No blow back.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2176.18 | 113.96 | Initial Hydro-static |
| 5 | 44.07 | 113.98 | Open To Flow (1) |
| 33 | 272.50 | 118.10 | Shut-In(1) |
| 90 | 1335.77 | 119.46 | End Shut-In(1) |
| 92 | 294.00 | 119.26 | Open To Flow (2) |
| 150 | 461.81 | 121.53 | Shut-In(2) |
| 274 | 1336.13 | 121.02 | End Shut-In(2) |
| 275 | 2069.72 | 121.19 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------------|--------------|
| 0.00 | GIP 300' | 0.00 |
| 1000.00 | 20% mud 80% water trace of gas. | 8.16 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

Doerksen B 1-27

2020 N Bramblewood Wichita Kansas 67206 1094

27/28/34

Job Ticket: 39446

DST#: 3

ATTN: Ed G.

Test Start: 2011.07.25 @ 05:30:00

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:

40000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------------------|---------------|
| 0.00 | GIP 300' | 0.000 |
| 1000.00 | 20% mud 80% water trace of gas. | 8.161 |

Total Length: 1000.00 ft Total Volume: 8.161 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

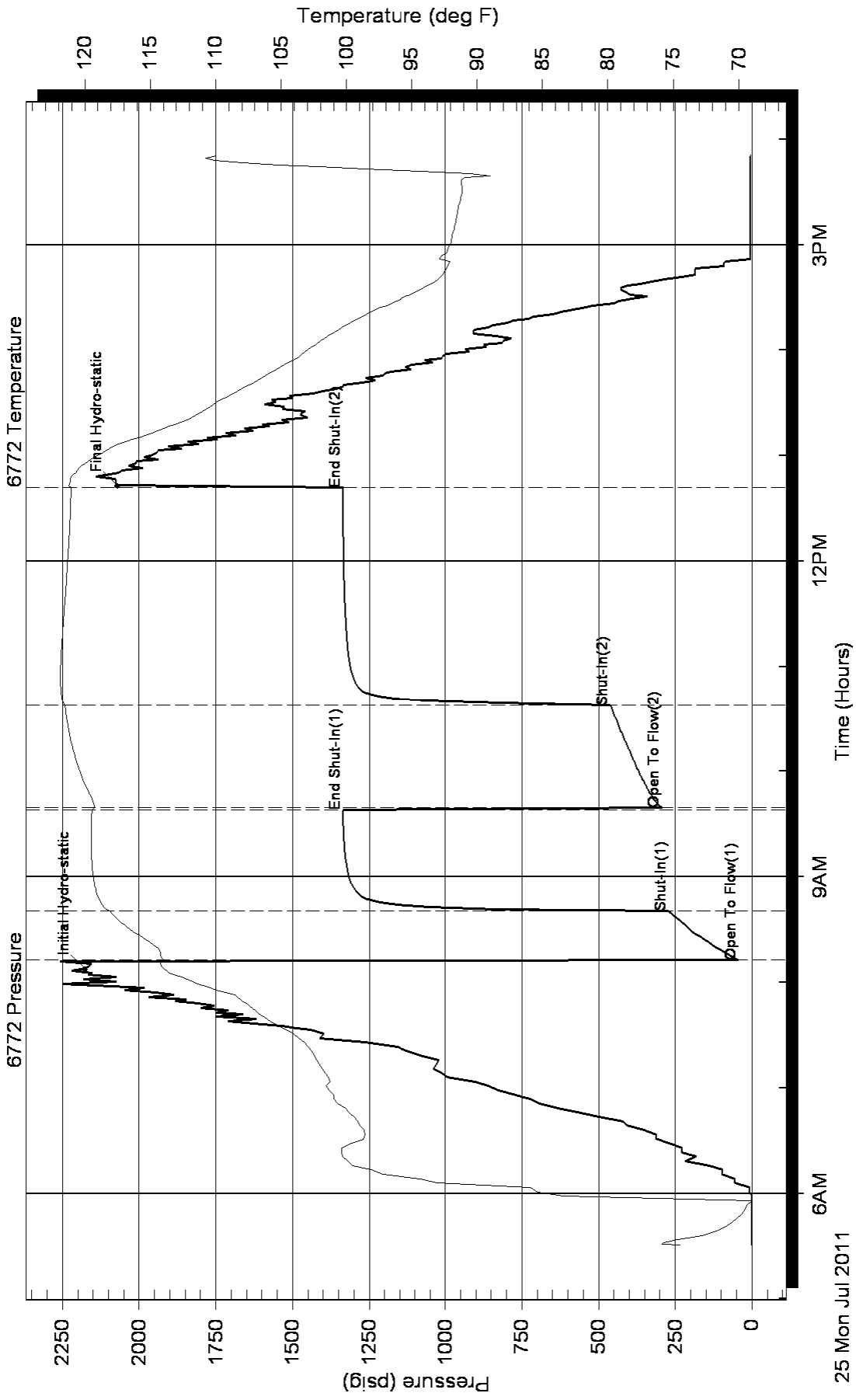
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .12 @ 105= 40000 CHLORIDES

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N Bramblewood Wichita Kansas 67206 1094
 ATTN: Ed G.

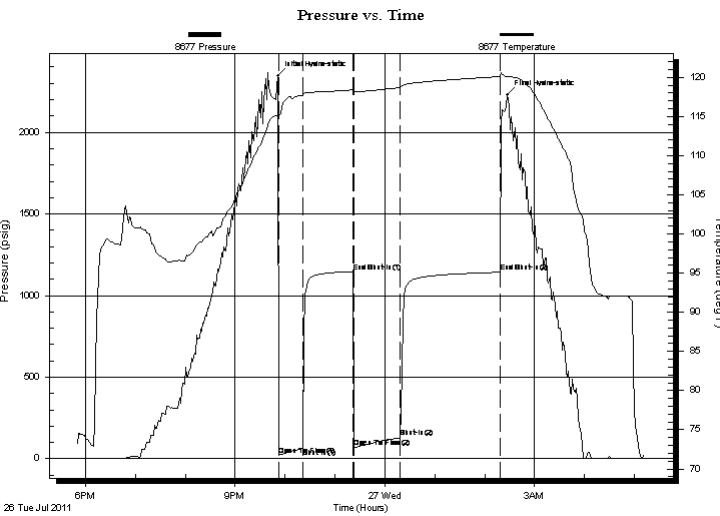
Doerksen B 1-27
27/28/34
 Job Ticket: 42224 **DST#: 4**
 Test Start: 2011.07.26 @ 17:50:31

GENERAL INFORMATION:

Formation: **Marmaton A & B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:52:46
 Time Test Ended: 05:13:16
 Interval: **4702.00 ft (KB) To 4742.00 ft (KB) (TVD)**
 Total Depth: 4742.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Mike Slemp
 Unit No: 53
 Reference Elevations: 3010.00 ft (KB)
 2999.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8677 Inside
 Press @ Run Depth: 129.12 psig @ 4703.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.07.26 End Date: 2011.07.27 Last Calib.: 2011.07.27
 Start Time: 17:50:32 End Time: 05:13:16 Time On Btm: 2011.07.26 @ 21:51:16
 Time Off Btm: 2011.07.27 @ 02:27:16

TEST COMMENT: IF- Weak blow 1 1/2 inches in 30 min
 IS- No blow back
 FF- Weak surface blow 1/2 inch in 60 min
 FS- No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2345.07 | 115.18 | Initial Hydro-static |
| 2 | 23.10 | 115.08 | Open To Flow (1) |
| 30 | 62.88 | 117.67 | Shut-In(1) |
| 90 | 1147.13 | 118.41 | End Shut-In(1) |
| 92 | 67.49 | 118.13 | Open To Flow (2) |
| 147 | 129.12 | 118.69 | Shut-In(2) |
| 267 | 1142.24 | 120.08 | End Shut-In(2) |
| 276 | 2229.35 | 120.13 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------|--------------|
| 120.00 | mcw 50% mud 50% water | 0.59 |
| | | |
| | | |
| | | |
| | | |

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 Kansas 67206 1094
 ATTN: Ed G.

Doerksen B 1-27
27/28/34
 Job Ticket: 42224 **DST#: 4**
 Test Start: 2011.07.26 @ 17:50:31

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: | 18000 ppm |
| Viscosity: 53.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.86 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2700.00 ppm | | | |
| Filter Cake: inches | | | |

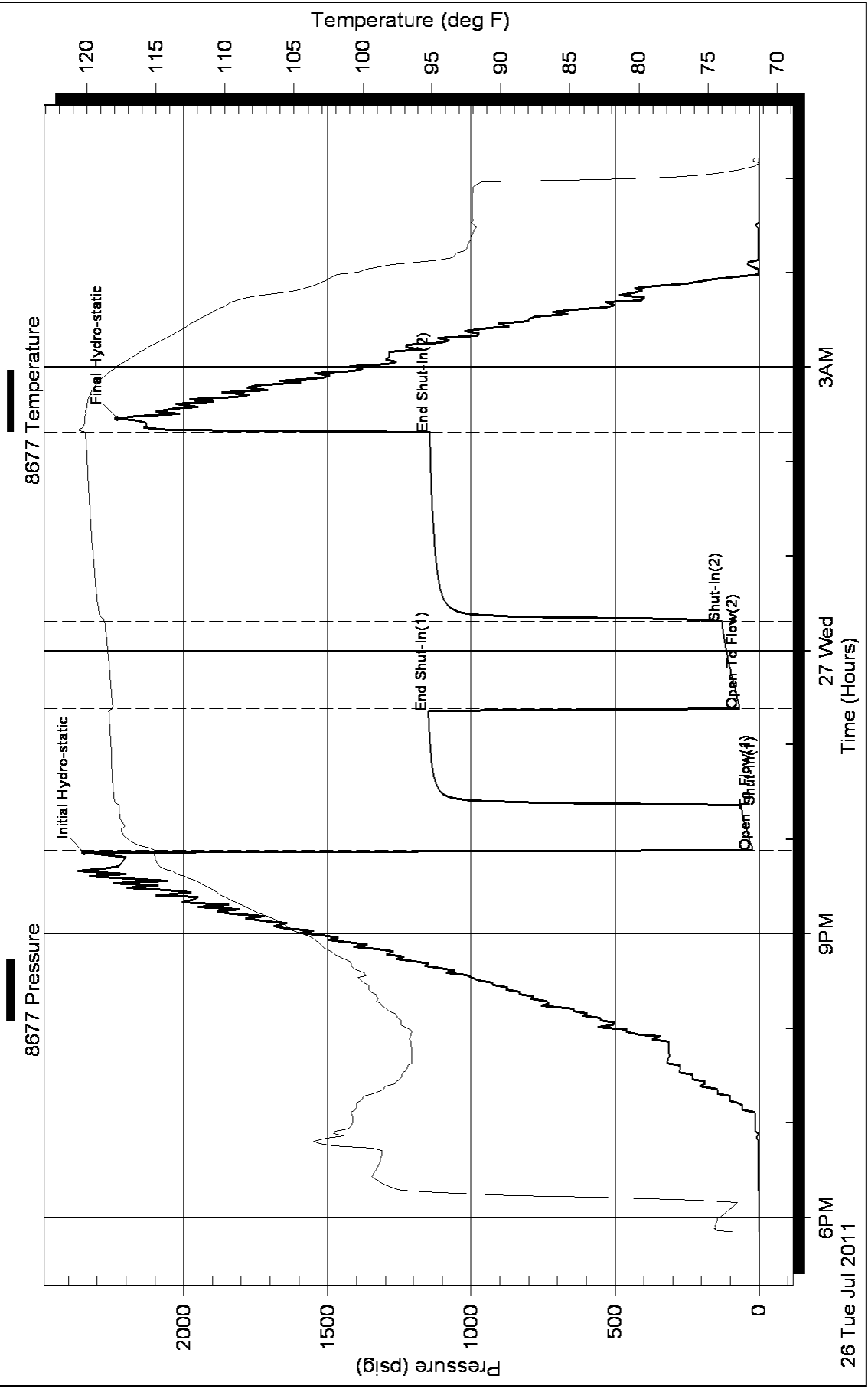
Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------|---------------|
| 120.00 | mcw 50% mud 50% water | 0.590 |

Total Length: 120.00 ft Total Volume: 0.590 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 Kansas 67206 1094
ATTN: Ed G.

Doerksen B 1-27
27/28/34
Job Ticket: 42251 **DST#: 5**
Test Start: 2011.07.30 @ 16:20:10

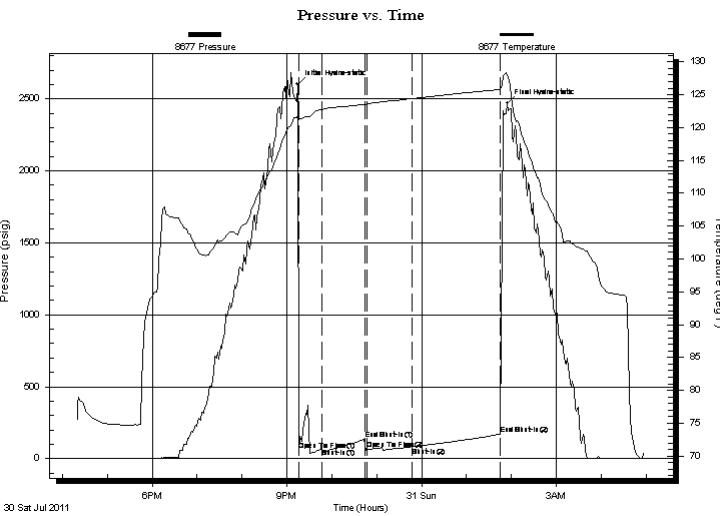
GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:16:10
Time Test Ended: 04:58:25
Interval: 5284.00 ft (KB) To 5385.00 ft (KB) (TVD)
Total Depth: 5385.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
Tester: Mike Slemp
Unit No: 53
Reference Elevations: 3010.00 ft (KB)
2999.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8677 Inside
Press @ Run Depth: 83.05 psig @ 5286.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.30 End Date: 2011.07.31 Last Calib.: 2011.07.31
Start Time: 16:20:11 End Time: 04:58:25 Time On Btm: 2011.07.30 @ 21:14:25
Time Off Btm: 2011.07.31 @ 01:54:25

TEST COMMENT: IF-Weak surface blow 1/2 inch in 30 min
IS- No blow back
FF- No blow
FS- No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2602.48 | 121.80 | Initial Hydro-static |
| 2 | 60.67 | 121.27 | Open To Flow (1) |
| 32 | 69.68 | 122.74 | Shut-In(1) |
| 90 | 135.42 | 123.55 | End Shut-In(1) |
| 93 | 64.21 | 123.55 | Open To Flow (2) |
| 153 | 83.05 | 124.40 | Shut-In(2) |
| 272 | 171.33 | 125.82 | End Shut-In(2) |
| 280 | 2470.28 | 128.02 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 110.00 | 100% mud | 0.54 |
| | | |
| | | |
| | | |
| | | |

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 Kansas 67206 1094
ATTN: Ed G.

Doerksen B 1-27
27/28/34
Job Ticket: 42251 **DST#: 5**
Test Start: 2011.07.30 @ 16:20:10

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: 68.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.98 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2100.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 110.00 | 100%mud | 0.541 |

Total Length: 110.00 ft Total Volume: 0.541 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

