



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
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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: \_\_\_\_\_



1058697

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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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

June 29, 2011

Leon Rodak  
Murfin Drilling Co., Inc.  
250 N WATER STE 300  
WICHITA, KS 67202-1216

Re: ACO1  
API 15-193-20792-00-00  
Steele 'A' 1-20  
NE/4 Sec.20-10S-34W  
Thomas 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,  
Leon Rodak

MDCI Steele 'A' #1-20 1760' FNL 1450' FEL Sec. 20-T10S-R34W 3238' KB							MDCI TFF Unit #1-21 2550' FSL 2270' FWL Sec. 21-T10S-R34W 3206' KB	
Formation	Sample Top	Datum	Ref	Log Tops	Datum	Ref	Log Top	Datum
Anhydrite	2736	+502	-2	2734	+501	-3	2702	+504
B/Anhydrite	2768	+470	-6	2762	+464	-12	2730	+476
Topeka	3894	-656	Flat	3896	-658	-2	3862	-656
Heebner	4113	-875	+1	4112	-874	+2	4082	-876
Lansing	4153	-915	+3	4152	-914	+4	4124	-918
Stark	4377	-1139	+4	4382	-1144	-1	4349	-1143
Fort Scott	4620	-1382	+4	4622	-1384	+2	4592	-1386
Johnson Zn	4695	-1457	+4	4696	-1458	+3	4667	-1461
Mississippi	4778	-1540	+9	4768	-1530	+19	4755	-1549
RTD	4845	-1607					4815	
LTD				4845	-1607		4813	



## GEOLOGIST'S REPORT

OPERATOR **MURFIN DRILLING COMPANY, INC.**

LEASE **STEELE 'A' # 1-20**

LOCATION **1760 FNL & 1450 FEL**

SEC. **20** TWSP **10S** RGE **34W**

COUNTY **THOMAS** STATE **KANSAS**

FIELD **WILDCAT**

CONTRACTOR **Murfin Drilling Company** RIG NO. **8**

COMMENCED **4 April 2011** COMPLETED **17 April 2011**

MUD DISPLACED **3333** MUD TYPE **Chemical**

DRILLING TIME KEPT FROM **3800** TO **4845**

SAMPLES SAVED FROM **3800** TO **4845**

SAMPLES EXAMINED FROM **3800** TO **4845**

GEOLOGICAL SUPERVISION FROM **3699** TO **4845**

GEOLOGIST ON WELL **Paul Gunzelman**

FORMATION NAME	LOG		SAMPLE	
	TOP	DATUM	TOP	DATUM
Stone Corral	2734	+504	2735	+503
Base/Anhydrite	2762	+464	2768	+470
Topoka	3896	-658	3894	-656
Heebner Shale	4112	-874	4113	-875
Lansing	4152	-914	4153	-915
Stark Shale	4382	-1144	4377	-1139
Marmaton	4466	-1228	4464	-1226
Cherokee	4651	-1413	4651	-1413
Mississippian	4768	-1530	4770	-1532
Total Depth	4845	-1607	4845	-1607

### ELEVATIONS

KB **3238 Ft.**

GL **3233 Ft.**

ALL MEASUREMENTS FROM K.B.

### CASING RECORD

Conductor **None**

Surface **8 5/8" @ 246'**

Production **5 1/2" @ 4834'**

### ELECTRICAL SURVEYS:

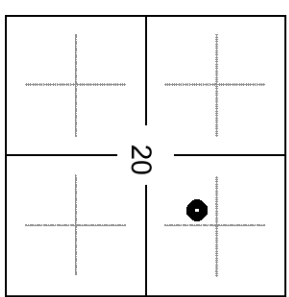
**Log-Tech, Inc.**

Comp. Neutron Density

Dual Induction

Micro-resistivity

Comp. Sonic

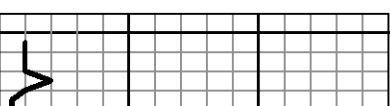


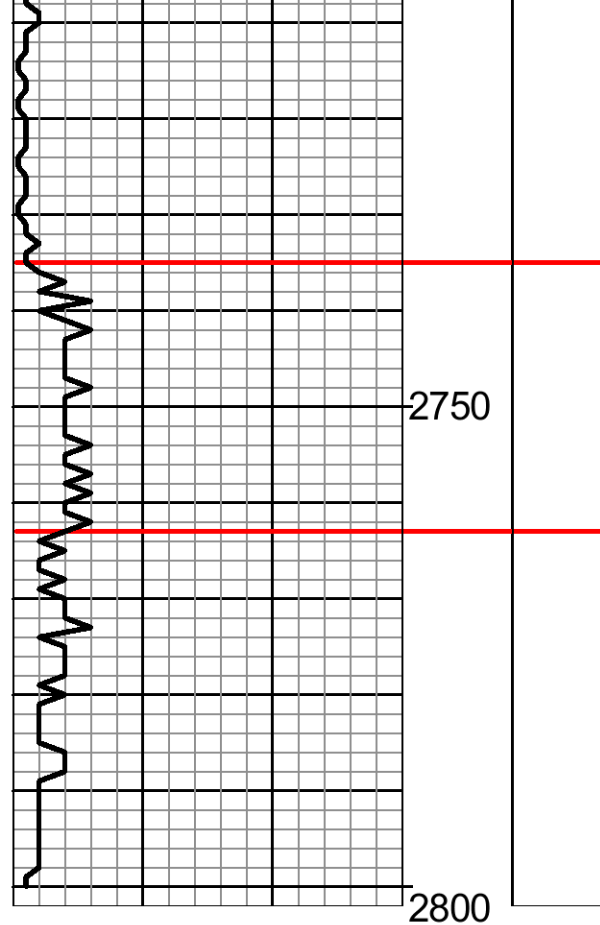
### REMARKS

API 15-193-20792-00-00  
 Drilling Fluids: Morgan Mud, Inc. (David Lines, engineer)  
 Drill Stem Testing: Trilobite Testing, Inc. (Shane McBride, tester)  
 Gas Trailer: No Gas Trailer  
 Reserve Pit Chlorides: 62,000 PPM

DRILL TIME (MIN/FT)	DEPTH	LITHOLOGY	SHOWS	SAMPLE DESCRIPTIONS	REMARKS
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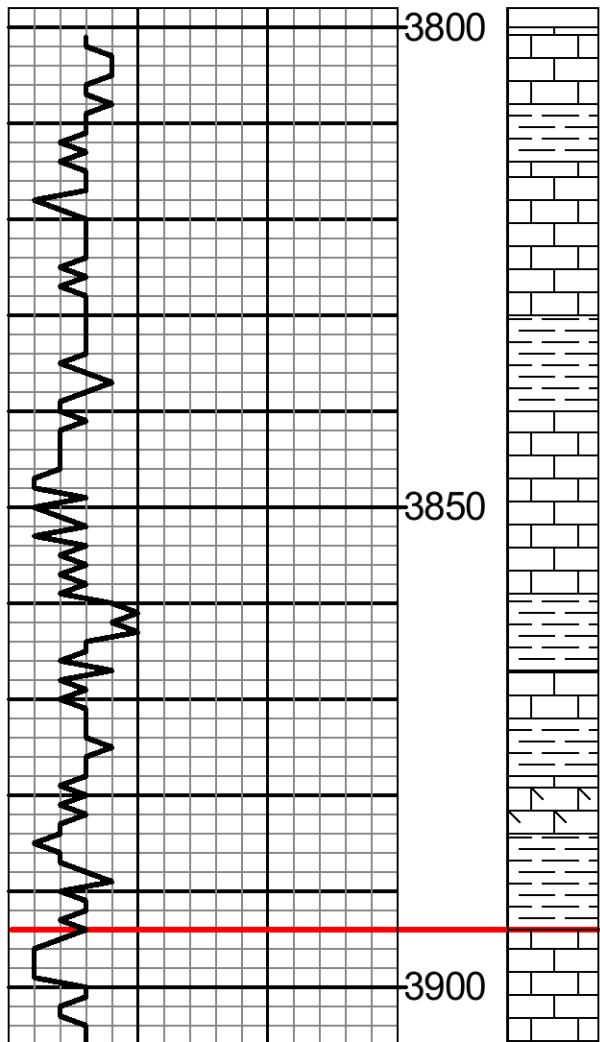
2700





**STONE CORRAL**  
2735 (+503)

**BASE/ANHYDRITE**  
2763 (+475)



12:47 AM, 8 April 2011

Sh: Dk gy, fis, tr mica.

Ls: Tn, fn-vfxln, tr org rem, dns, n/s.

Ls: Crm-gy, fxln, tr org rem, sli chky, tr glauc & dk gy sh inc, n/s.

Sh: Rd-brn, thk fis, ea.

Ls: Crm, fxln, chky, tr org rem, occ crm-tn vfnly gran & dol, fr intgran por, n/s.

Sh: Dk gy, some gy-gn, fis.

Ls: Crm, tr lt gy, fxln, sbchky, some org rem, pr pp por, n/s.

Sh: Gy-gn & dk gy, fis, occ slty, tr mica.

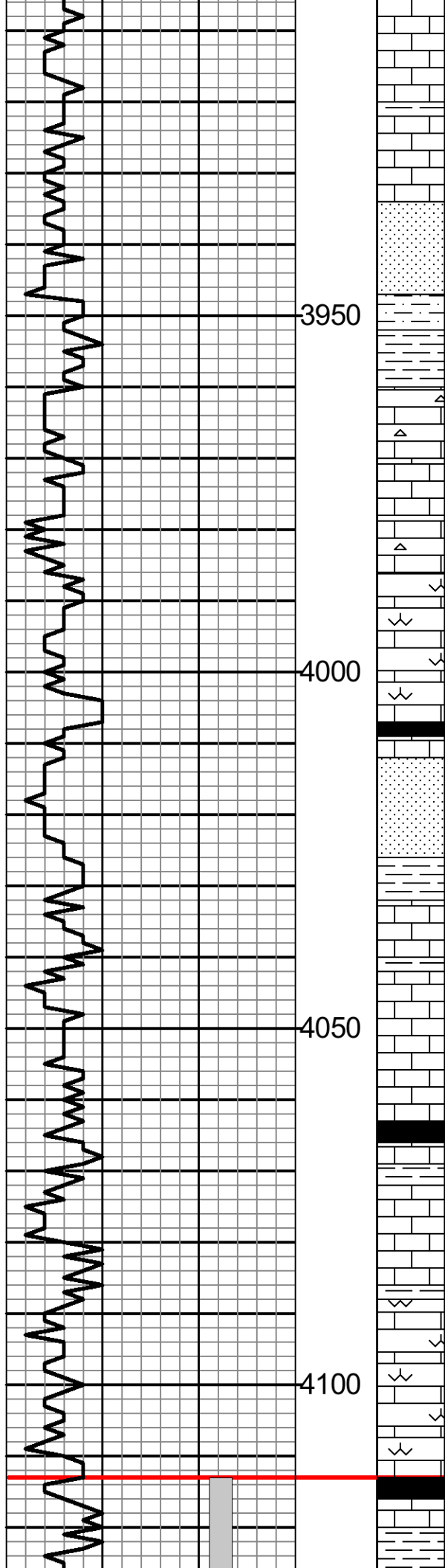
Ls: Crm, fnly gran dol, sbchky, fr-gd intgran por, n/s.

Sh: Lt rd-brn some tn & lt brn, gum.

Ls: Crm, fxln, sbchky, some amor calc, fr pp por, n/s.

Ls: Crm, some lt av, fxln, sbchky, occ fnlv

**TOPEKA**  
3894 (-656)



Ls: Crm, tr lt gy, fxl, sbchky, tr org rem, occ arg, intbd lt gn fis slty sh, n/s.

Ls: Crm, fxl-gran, tr org rem, much dol, tr amor calc, n/s.

Ls: Crm, fxl, sbchky, occ spr calc, fr pp por, intbd gy-gn & lt gn fis occ slty sh, n/s.

Stst: Lt gy & crm, some calc-lmy, occ sdy, tr arg, gd intgran por, n/s.

Sh: Rd-or & rd-brn, blk, some v.slty, tr lt gy-gn fis sh.

Ls: Crm, tr crm-tn, fxl-gran, sbchky, sli ool, tr org rem, wh op frs cht, fr pp & intgran por, n/s.

Ls: Crm & wh-crm, fxl, sbchky, tr ool & org rem, some spr calc, n/s.

Ls: Crm, fxl, sbchky, tr org rem, wh op frs cht, fr por, n/s.

Ls: Crm, tr lt gy, fxl, sbchky, tr spr calc, pr pp por, n/s.

Ls: Lt gy, fxl, tr foss (Brach) sli chky, some arg, n/s.

Sh: Blk, thn fis, carb.

Ls: Dk mott gy-brn, fxl, cons org rem & dk gy sh inc, n.v.p.

Sd: Lt gy, lt olv gn & gy-gn, vfn, sbang-sbrnd, arg, sbfri clus, occ slty, much arg, some pyr & mica, n/s.

Ls: Crm, fxl, tr medxl, ool, cons spr calc, tr sbchky, n/s.

Ls: Rd-brn, tr brn, fxl, arg-shly, intbd rd-brn ea occ slty sh.

Ls: Crm, fxl, sbchky, sli foss (Fus) some spr calc, occ lt gy-gn & arg, n.v.p, n/s.

Sh: Blk & v.dk brn, thn fis, carb, some brn v.fxl dns Ls.

Sh: Lt gn & gy-gn, fis, pyr, occ slty.

Ls: Crm-tn, some tn-gy, fxl, sbchky, tr org rem, occ arg, tr pyr, n/s.

Ls: Tn-brn, fn-vfxln, dns, some arg, n/s.

Ls: Crm, some crm-gy, fxl, chky, sli foss (Fus) tr pyr, pr-fr por, n/s.

Ls: Crm-lt gy, fxl, chky, some arg, occ org rem, n.v.p, n/s.

Ls: Brn, fxl, foss (Brach, Fus) dns.

Sh: Blk, thn fis, carb, w/tn vfxln dns Ls.

Sh: Gy gy-gn & v.dk gy, fis, occ calc-lmy, some slty.

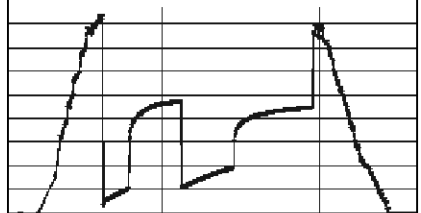
Morgan Mud check @ 3988'  
 Vis: 68, Wt: 9.1, WL: 7.2  
 Chlor: 5,100 ppm, LCM: 1#

DST # 1 4113 - 4170  
 30"-60"-60"-90"

IF: Gd blow, BOB in 9 min.  
 FF: Gd blow, BOB in 12 min.

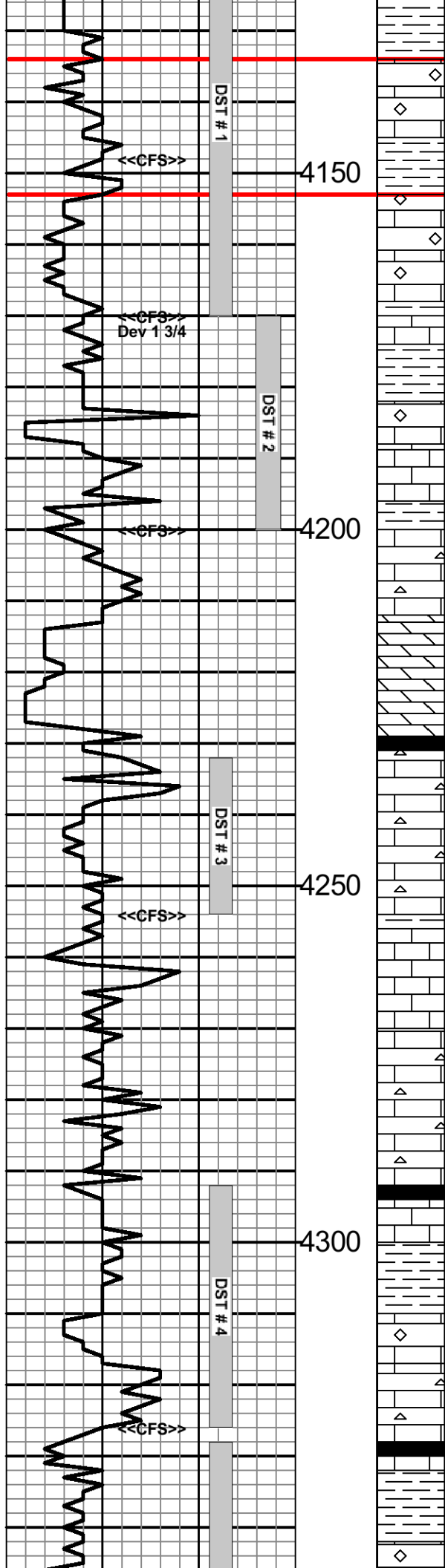
RECOVERY:  
 185 Ft. Sli. Oil Cut Muddy Wtr.  
 (3%Oil, 40%Mud, 57%Wtr)  
 360 Ft. Muddy Water w/oil show  
 (10%Mud, 90%Wtr, Gd show)  
 420 Ft. Water w/oil show  
 (Chlor 42,000 ppm)

IHP: 2101 psi. FHP: 2048 psi.  
 IFP: 58-254 psi. ISIP: 1183 psi.  
 FFP: 264-479 psi. FSIP: 1121 psi.  
 BHT: 122 deg. F.



Morgan Mud check @ 4170'  
 Vis: 64, Wt: 9.4, WL: 6.8  
 Chlor: 5,100 ppm, LCM: 3#

**HEEBNER SHALE**  
**4113 (-875)**



- Sh: Oliv gn olv gy, thk fis-blky, calc-lmy, pyr.
- Ls: Wh-crm, fn-frag, ool, sli chky, some lt gy wh op cht, pr-fr intool por, fr odor, fr shw dk brn FO, spty dk stn, tr sat stn.
- Sh: Gy gy-gn, slty, pyr.
- Ls: Crm, fxln, ool, chky, cons sec calc, tr pyr & wh op frs cht, pr-fr pp por, n/s.
- Ls: Crm, fxln-gran, chky, tr org rem, sli pyr, some wh-crm op cht, n/s.
- Ls: Crm, fxln-gran, pyr, tr crm gy & tn op mott cht, n/s.
- Sh: Rd-brn, some rd-or & gn, blky, slty, bcm lt gn & gy-gn fis pyr.
- Ls: Tn, vfxln, ool, fr vug por, bcm crm & lt gy frag ool, some org rem & spr calc, fr-gd intool por, gd odor, fr shw FO, gsy lstr, scat dk stn-sat.
- Ls: Crm, vfxln, tr org rem, wh crm & lt gy op cht, tr sbchky, n.v.p, n/s.
- Sh: Gn & gy-gn, fis, sli pyr.
- Ls: Crm, fxln, some sbchky, tr foss (Fus) gy & crm-gy op-trnsl cht, pr pp por, tr fr vug por, fr odor, sli shw FO, spty med brn stn-sbsat.
- Dol: Crm, tr crm-tn, gran, tr fxln, some lmy, occ spr calc, gd intgran por, tr fr vug por, n/s.
- Sh: V.dk gy-blk, fis, some carb.
- Ls: Crm-tn, fn-vfxln, sli ool, tr org rem, some sbchky, wh op frs cht, fr pp & vug por, tr fr oom por, fr odor, gd shw dk brn FO, dk sbsat stn.
- Ls: Crm, some crm-tn, fxln, tr sbchky, tr pyr, lt gy & tn op-trnsl vit cht, pr pp por, n/s.
- Ls: Crm, fxln, tr gy op cht, r.pyr, n/s.
- Sh: Dk gy & dk olv gn, fis.
- Ls: Wh-crm, fxln, some vfxln, cons sbchky, tr wh coxln dol.
- Ls: Crm, some lt gy, fxln, tr gran, much sbchky, occ foss (Fus) tr pyr & lt gy op cht.
- Ls: Crm-lt gy, fxln, tr medxln, sbchky, r.org rem, some lt gy op vit cht, occ arg, n.v.p.
- Sh: Blk, some v.dk gy-brn, thn fis, carb.
- Ls: Brn & mott gy-brn, fn-vfxln, arg, dk gy-brn op vit cht, pr intxn por, gd odor, v.sli shw FO, lt stn.
- Sh: Gn olv gn & dk gy, fis, sli pyr.
- Ls: Crm-lt gy, frag, ool, sli foss (Fus), fr intrfrag por, strong odor, gd shw lt brn FO, med brn sat stn.
- Ls: Crm, vfxln-microxln, sbchky, some wh & lt gy op-trnsl vit cht, dns, n/s.
- Sh: Blk & v.dk gy, fis, some carb.
- Ls: Tn, tr brn, fn-vfxln, sli pyr, tr ool, gen dns, n/s.
- Sh: Gy-gn & olv gn, fis, sli pyr.
- Ls: Crm-v.lt gy, fxln, some frag, ool, occ spr calc, pr pp & intool por, gd odor, fr shw

**TORONTO**  
**4134 (-896)**

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**LANSING**  
**4153 (-915)**

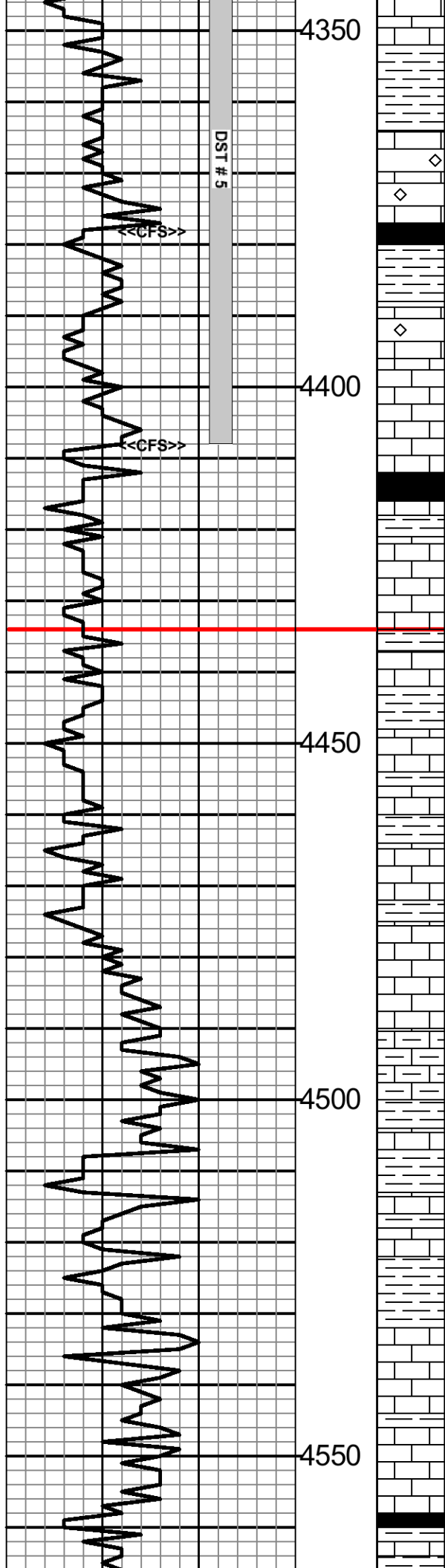
DST # 2 4170 - 4200  
 30"-60"-60"-90"  
 IF: Gd blow, BOB in 12 min.  
 FF: Fair blow, BOB in 25 min.  
**RECOVERY:**  
 90 Ft. Sli. Oil Cut Muddy Water (5%Oil, 30%Mud)  
 180 Ft. V. Sli. Oil Cut Muddy Water (2%Oil, 25%Mud)  
 180 Ft. Muddy Water, tr Oil  
 240 Ft. Water w/Oil spots (Chlor 38,000 ppm)  
 IHP: 2103 psi. FHP: 2063 psi.  
 IFP: 32-188 psi. ISIP: 1115 psi.  
 FFP: 191-342 psi. FSIP: 1081 psi.  
 BHT: 124 deg. F.

Morgan Mud check @ 4254'  
 Vis: 65, Wt: 9.1, WL: 6.4  
 Chlor: 6,000 ppm, LCM: 3#

DST # 3 4232 - 4254  
 30"-60"-60"-90"  
 IF: Fair blow, 8 1/2 inches  
 FF: Fair blow, BOB in 52 min.  
**RECOVERY:**  
 90 Ft. Muddy Water w/oil spots  
 60 Ft. Sli. Muddy Water w/oil spots  
 240 Ft. Water (Chlor. 57,500 ppm)  
 IHP: 2120 psi. FHP: 2097 psi.  
 IFP: 18-112 psi. ISIP: 1246 psi.  
 FFP: 135-221 psi. FSIP: 1233 psi.  
 BHT: 124 deg. F.

DST # 4 4292 - 4326  
 30"-60"-60"-90"  
 IF: Fair blow to 5 1/2 inches.  
 FF: Weak blow to 4 1/2 inches (Severe plugging during FF)  
**RECOVERY:**  
 15 Ft. Clean Oil (20 grav. API)  
 230 Ft. Sli. Gas W/tn and Oil Cut Mud





calc, pr pp & intool por, gd odor, tr shw FO, lt brn sat & sb sat stn.

Sh: Gn lt gn gy-gn, some brn & gn mott, fishk fis, pyr, occ calc-lmy, bcm rd-brn & brn blkly some gum, tr rd-brn v.arg Ls.

Ls: V.lt gy, frag, ool, some sbchky, tr org rem, cons spr calc, pr intool por, tr fr por, fr odor, sli shw med brn FO, sat stn, tr spty stn.

Ls: Crm-tn, fxln, tr vfxln, r.ool & foss (Fus) dns, n/s.

Sh: V.dk gy-blk, thn fis, some carb, bcm gn & gy-gn fis tr pyr, occ calc.

Ls: Lt gy, fxln-frag, ool, tr spr calc & sli chky, some arg, pr-fr intool & pp por, strng odor, v.sli shw FO, lt brn spty stn-sb sat.

Ls: Crm, fn-vfxln, sli ool, some sbchky, tr arg, n.v.p, n/s.

Sh: Blk, thn fis, carb, bcm med gy slty & rd-brn blkly sh.

Ls: Lt gy, fxln, some arg, tr org rem, occ silic, tr wh-gy mott vit cht, n.v.p.

Ls: Crm, some crm-gy, fn-vfxln, occ arg, tr org rem, some spr calc, n.v.p.

Ls: Tn & brn, fxln, mott w/dk gy sh, tr org rem, dns, intbd gy dk gy & gy-gn fis sh, n/s.

Ls: Crm, fn-vfxln, sbchky, tr wh op frs cht, some arg, tr frac, n.v.p.

Sh: Gy-gn & dk gy, fis, some gy-tn fxln sli arg Ls.

Ls: Crm & wh-crm, vfxln, some withd-sbchky, tr arg, n.v.p, n/s.

Sh: Gy-brn & olv gn, fis, pyr, some carb mat, occ calc, intbd brn vfxln pyr arg Ls, n.v.p.

Ls: Crm, fxln, tr foss (Fus) sli chky, some crm-lt gy & arg, n.v.p, n/s.

Ls: Crm-gy, fxln, tr gran, some arg-shly, tr org rem & lt gy trnsl cht, occ pyr, n.v.p, n/s.

Sh: Gy & gn-gy, fis, slty, some calc-lmy, tr dk gy fis gum sh.

Ls: Crm, fn-vfxln, sli ool, sbchky, some spr calc, n.v.p.

Sh: Gy-gn & med gy, fis, some slty, occ gy-gn & yel calc-lmy sh.

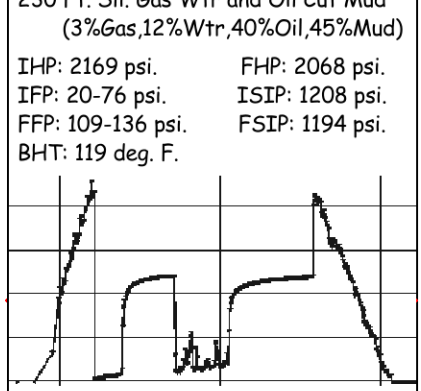
Ls: Crm, fxln, tr vfxln-microxln, sbchky, some amor calc, occ lt gy & arg, n.v.p.

Ls: Crm-tn, fxln, occ silic, some arg, rexlzd, tr tn op-trnsl vit cht, some lt or amor calc, n.v.p.

Sh: Gy-gn & yel slty pyr.

Ls: Crm-tn, tr lt brn, fxln, occ arg, r.foss (Fus) n.v.p.

Sh: Blk, thn fis, carb, some tn vfxln dns Ls, bcm gy & lt rd-brn blkly v.slty sh.



Morgan Mud check @ 4326'  
 Vis: 59, Wt: 9.2, WL: 6.8  
 Chlor: 7,500 ppm, LCM: 2#

Morgan Mud check # 4408'  
 Vis: 50, Wt: 9.2, WL: 7.6  
 Chlor: 7,900 ppm, LCM: 1.5 #

**BASE/KANSAS CITY**  
**4434 (-1196)**

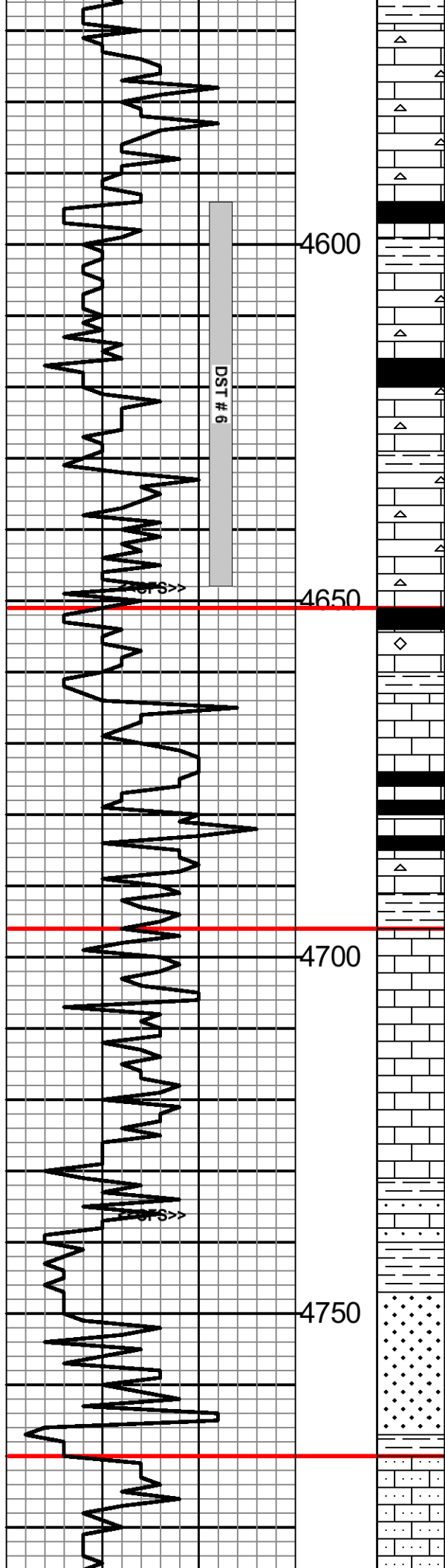
DST # 5 4328 - 4408  
 30"-60"-60"-90"  
 IF: Strong blow BOB in 15 min.  
 FF: Strong blow BOB in 22 min.

RECOVERY:  
 60 Ft. Clean Gassy Oil  
 (34 grav. API)  
 435 Ft. Sli. Oil Cut Muddy Water  
 (5%Oil, 30%Mud, 65%Wtr)

IHP: 2222 psi. FHP: 2130 psi.  
 IFP: 46-80 psi. ISIP: 1243 psi.  
 FFP: 177-273 psi. FSIP: 1226 psi.  
 BHT: 121 deg. F.

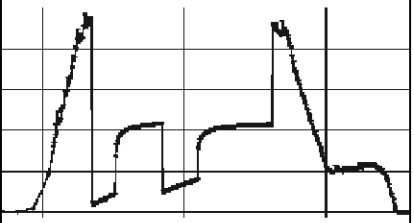


Morgan Mud check @ 4580'  
 Vis: 57, Wt: 9.1, WL: 6.8  
 Chlor: 8,000 ppm, LCM: 3#



- Ls: Crm-tn, fn-vfxln, tr sbchky, some org rem, lt gy op-trnsl vit cht, r.pyr, occ v.lt gy & arg, n.v.p, n/s.
- Ls: Crm-tn, vfxln-microxln, tr org rem & pyr, occ silic, lt gy & tn vit cht, n.v.p.
- Ls: Tn-brn, vfxln, tr microxln, gy tn & v.dk gy-brn vit cht, n.v.p.
- Sh: Blk thn fis, carb, some brn vfxln pyr dns Ls.
- Sh: Lt gn & gy-gn, tr yel, thk fis, some calc.
- Ls: Crm-tn, fxln, foss, tr dk gy inc, wh & lt gy op-trnsl frs cht, pr pp por, tr fr-gd vug por, v.sli odor, no FO, v.lt stn & edge stn.
- Ls: Crm-gy, fxln, sli arg, v.dk gy-blk op cht, pr pp por, tr fr vug por, sli odor, sli shw FO, v.lt spty stn.
- Sh: Blk, carb, some v.dk gy-brn fis calc, sh.
- Ls: Crm-tn, fn-vfxln, tr org rem, some pyr & lt gy-crm trnsl vit cht, n.v.p, n/s.
- Ls: Crm-tn, fxln, dns, cons crm tn & gy op-trnsl cht, tr v.dk gy-brn arg ool Ls, intbd dk gy sh, pr pp por, sli odor, no FO, v.lt scat stn.
- Ls: Tn, vfxln-microxln, foss, occ tn op vit cht, some sli arg, dns, n/s.
- Sh: Blk, thn fis, carb.
- Ls: Crm-tn, fxln-frag, dk gy & tn ool. cons spr calc, some sbchky, n/s.
- Sh: Dk gy-blk, thn fis, some carb.
- Ls: Crm-tn, fxln, tr vfxln, occ spr calc, some arg, gen dns, n/s.
- Ls: Crm, fxln, tr org rem, r.v.lt gy op cht, some spr calc, n.v.p, n/s.
- Ls: Tn, vfxln, sli pyr, cons tn op vit cht, some spr calc & occ arg, intbd blk carb sh, n/s.
- Ls: Crm-gy, fn-vfxln, tr foss & tn-gy op cht, occ sbchky, intbd gy-gn & lt gn sh, n/s.
- Ls: Tn-brn, fn-vfxln, some tn & gy op cht, pr pp por, fr-gd vug por, sli odor, fr shw FO, sli shw G, dk brn sb sat stn.
- Ls: Crm-tn, fn-vfxln, occ tn & gy op vit cht, tr spr calc, tr pr edge por & stn.
- Ls: Tn, fn-vfxln, some tn & gy arg Ls, gen dns, tr sbchky, tr pr pp por, v.sli shw FO, spty dk stn.
- Ls: Tn-gy, vfxln, aren, tr org rem & glauc, cons sec calc, n.v.p.
- Sh: Gy-gn & olv gn, fis, sli pyr, intbd wh vfn-vfn sbang sbfri pyr sd, fr intgran por, n/s.
- Sh: Gy-gn, lt gn olv gn & yel, fis, tr slty, occ pyr, some sdy.
- Sd: Wh, vfn-fn, sbang-sbrnd, wl cmt-sbfri, tr gy & brn sh inc, some lt gy fn-med calc sbfri sd, n/s.
- Sd: Wh & v.lt gn, vfn-fn, ang-sbrnd, sli calc, fri-sbfri, tr arg-shly, fr-gd intgran por, n/s.
- Sh: Gn gy-gn lt gy yel, tr purp & v.dk gy, occ mott, some sdy, intbd tn-lt gy vfxln dns Ls, n/s.
- Ls: Crm, fxln, tr gran, sli ool, sbchky, aren, n.v.p, n/s.
- Ls: Crm-gy, fxln-gran, aren, tr ool & org rem, some arg, n.v.p, n/s.

**DST # 6 4594 - 4648**  
 30"-60"-45"-90"  
 IF: Strong blow BOB in 2 1/2 min.  
 ISI: Could not bleed off  
 FF: Strong blow BOB in 2 1/2 min.  
 FSI: GTS in 10 min, couldn't bleed off  
**RECOVERY:**  
 900 Ft. Clean Gassy Oil (33 grav. API)  
 120 Ft. Gas & Mud Cut Oil (30%Gas, 30%Mud, 40%Oil)  
 IHP: 2386 psi. FHP: 2302 psi.  
 IFP: 86-211 psi. ISIP: 1078 psi.  
 FFP: 250-394 psi. FSIP: 1073 psi.  
 BHT: 131 deg. F.



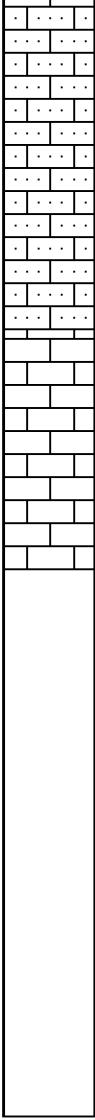
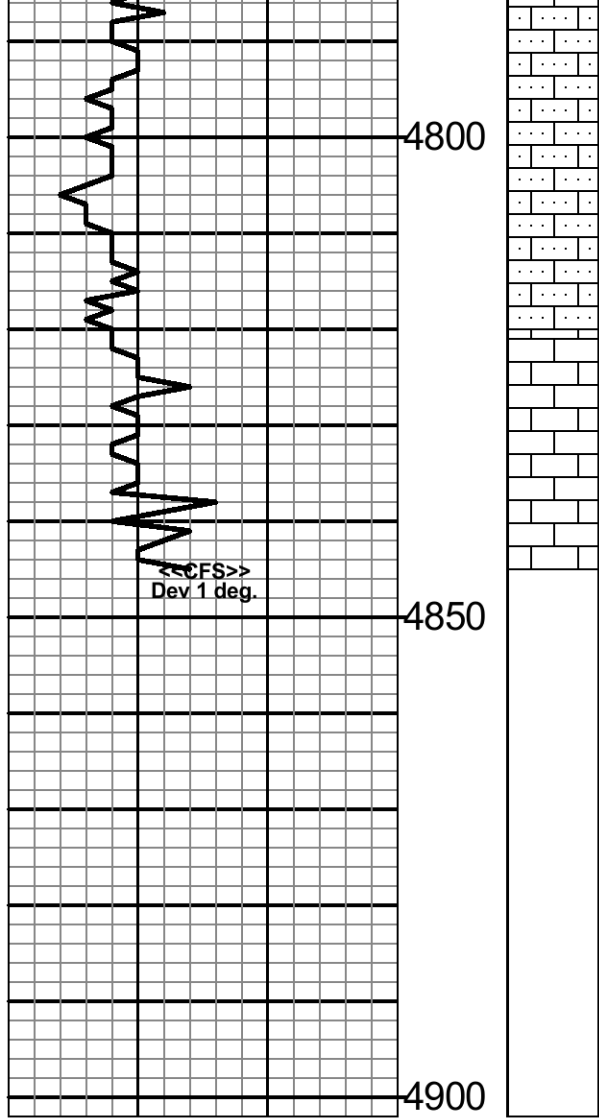
**CHEROKEE**  
**4651 (-1413)**  
 Morgan Mud check @ 4673'  
 Vis: 72, Wt: 9.2, WL: 7.2  
 Chlor: 7,800 ppm, LCM: 2#

**JOHNSON ZONE**  
**4696 (-1458)**

Morgan Mud check @ 4736'  
 Vis: 50, Wt: 9.0, WL: 6.8  
 Chlor: 8,000 ppm, LCM: 3#

Samples very shaley to TD

**MISSISSIPPIAN**  
**4770 (-1532)**



some arg, n.v.p, n/s.

Ls: Crm, fxln, some crm-tn fxln-gran, aren, sli foss, tr pyr, occ sbchky, n/s.

Ls: Crm, microIn-crpxln, dns, n/s.

Ls: Crm-tn, some tn-gy, fxln, aren, arg, ndns, n.v.p.

Ls: Crm-tn-gy, fn-vfxln, tr org rem, occ sbchky, some arg & pyr, n.v.p.

Ls: Crm-gy, vfxln, r.org rem, some arg, gen dns, n/s.

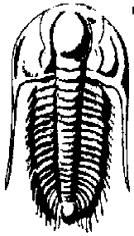
**TOTAL DEPTH**  
**4845 (-1607)**  
 2:30 AM, 16 April 2011

Operator: MURFIN DRILLING COMPANY, INC.

Lease: STEELE 'A' # 1-20

Location: 1760 FNL & 1450 FEL SEC. 20 TWSP 10S RGE 34W

County: THOMAS State: KANSAS



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Murfin Drilling Co Inc  
 250 N Water Ste 300  
 Wichita, Ks  
 67202  
 ATTN: Paul Gunzelman

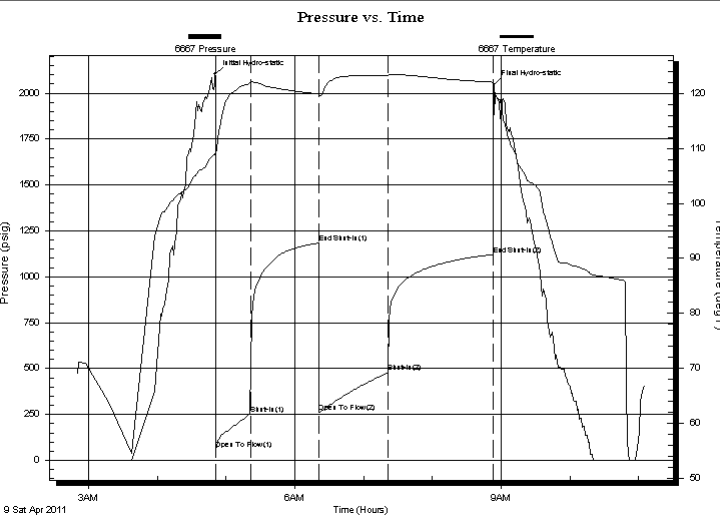
**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
 Job Ticket: 042188 **DST#: 1**  
 Test Start: 2011.04.09 @ 02:50:36

## GENERAL INFORMATION:

Formation: **Toronto, A**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:51:21  
 Time Test Ended: 11:25:06  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 55  
 Interval: **4113.00 ft (KB) To 4170.00 ft (KB) (TVD)**  
 Total Depth: 4170.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Reference Elevations: 3238.00 ft (KB)  
 3233.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6667 Inside**  
 Press @ Run Depth: 479.16 psig @ 4114.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.04.09 End Date: 2011.04.09 Last Calib.: 2011.04.09  
 Start Time: 02:50:36 End Time: 11:05:06 Time On Btm: 2011.04.09 @ 04:50:36  
 Time Off Btm: 2011.04.09 @ 08:53:51

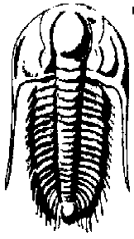
**TEST COMMENT:** B.O.B. in 9 min.  
 No return  
 B.O.B. in 12 min  
 No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.89	109.10	Initial Hydro-static
1	58.71	108.84	Open To Flow (1)
31	254.19	122.01	Shut-In(1)
91	1183.28	120.01	End Shut-In(1)
91	264.89	119.69	Open To Flow (2)
151	479.16	123.40	Shut-In(2)
243	1121.77	122.14	End Shut-In(2)
244	2048.33	121.22	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
420.00	water w/oil scum 100%w	4.27
360.00	s m c w w/heavy oil scum 10% m 90%	5.05
185.00	v s o c m w 3% o 40% m 57% w	2.60

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co Inc  
250 N Water Ste 300  
Wichita, Ks  
67202  
ATTN: Paul Gunzelman

**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
Job Ticket: 042188      **DST#: 1**  
Test Start: 2011.04.09 @ 02:50:36

## Mud and Cushion Information

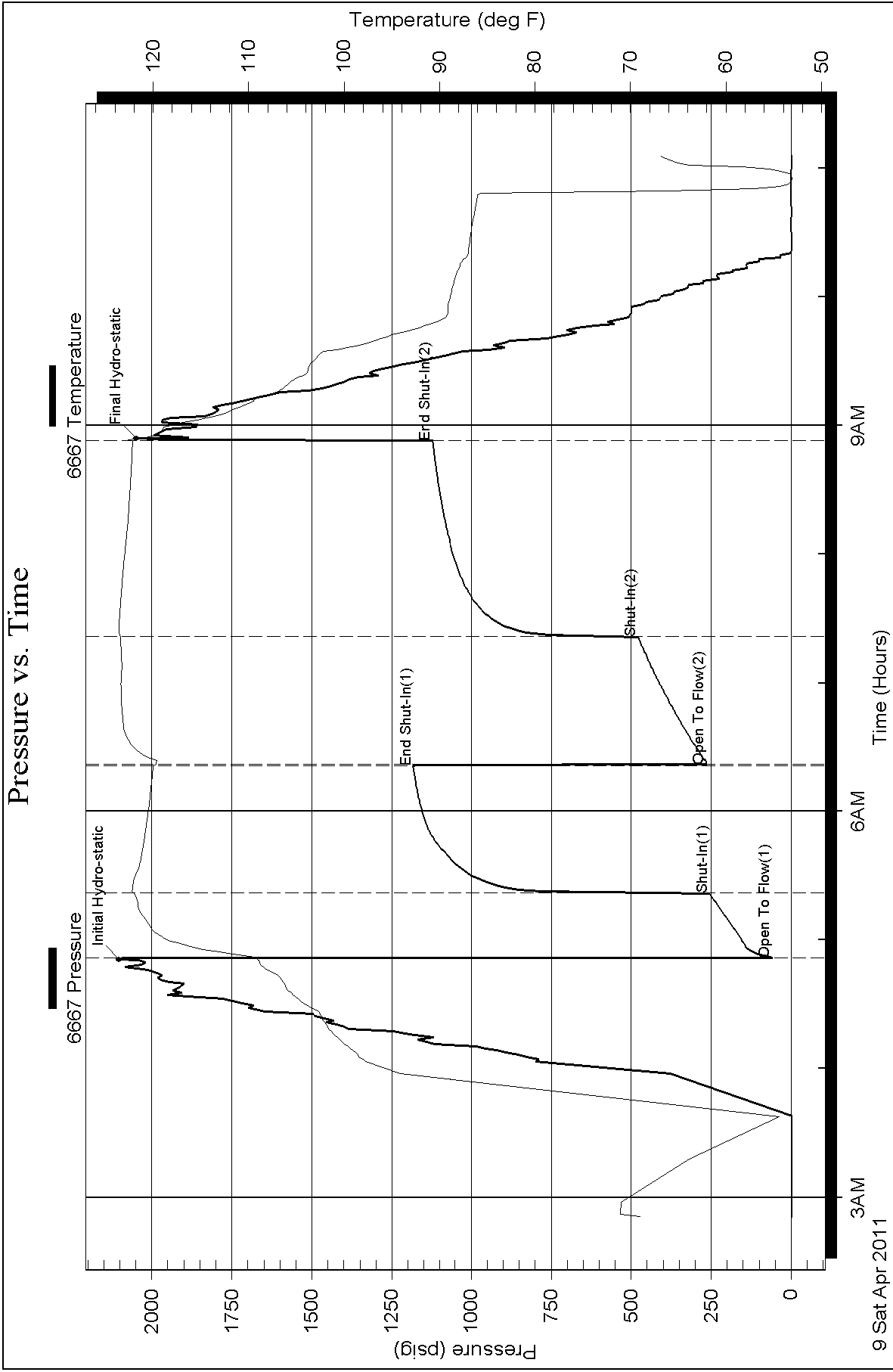
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 42000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5100.00 ppm		
Filter Cake: 2.00 inches		

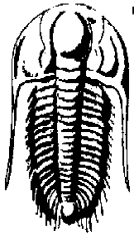
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
420.00	water w/oil scum 100%w	4.270
360.00	s m c w w/heavy oil scum 10%m 90%w	5.050
185.00	v s o c m w 3%o 40%m 57%w	2.595

Total Length: 965.00 ft      Total Volume: 11.915 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: rw .148 @ 80\*f = 42,000 chlor





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Murfin Drilling Co Inc  
 250 N Water Ste 300  
 Wichita, Ks  
 67202  
 ATTN: Paul Gunzelman

**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
 Job Ticket: 042189 **DST#: 2**  
 Test Start: 2011.04.09 @ 18:50:21

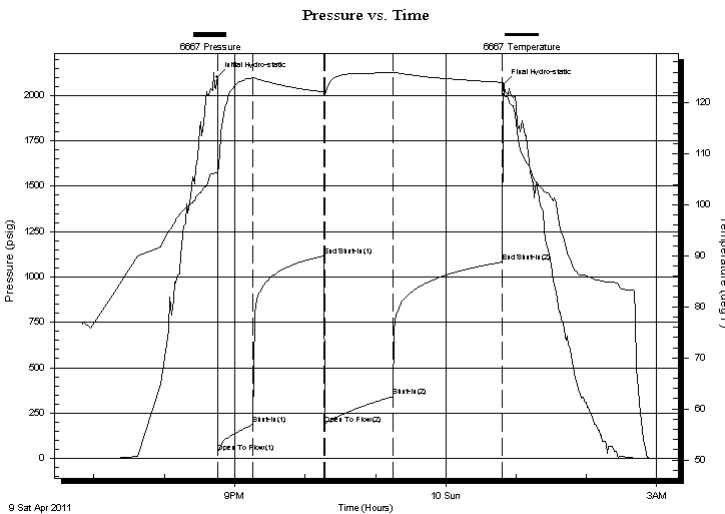
## GENERAL INFORMATION:

Formation: **B**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:45:36  
 Time Test Ended: 03:10:06  
 Interval: **4170.00 ft (KB) To 4200.00 ft (KB) (TVD)**  
 Total Depth: 4200.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3238.00 ft (KB)  
 3233.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6667 Inside**  
 Press @ Run Depth: 342.00 psig @ 4171.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.04.09 End Date: 2011.04.10 Last Calib.: 2011.04.10  
 Start Time: 18:50:21 End Time: 02:54:06 Time On Btm: 2011.04.09 @ 20:45:21  
 Time Off Btm: 2011.04.10 @ 00:49:21

TEST COMMENT: B.O.B. in 12 min.  
 No return  
 B.O.B. in 25 min.  
 No return

## PRESSURE SUMMARY



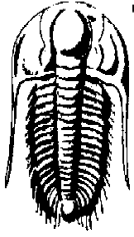
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2103.58	106.45	Initial Hydro-static
1	32.22	106.01	Open To Flow (1)
31	188.09	124.90	Shut-In(1)
91	1115.95	122.11	End Shut-In(1)
92	191.75	121.85	Open To Flow (2)
150	342.00	125.84	Shut-In(2)
243	1081.95	124.02	End Shut-In(2)
244	2063.43	121.88	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	water w/oil spots	1.75
180.00	s m c w trace of oil 10% m 90% w	2.52
180.00	v s o c m w 2% o 25% m 73% w	2.52
90.00	s o c m w 5% o 30% m 65% w	1.26
0.00	6" in free oil on top 100% o	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co Inc  
250 N Water Ste 300  
Wichita, Ks  
67202  
ATTN: Paul Gunzelman

**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
Job Ticket: 042189      **DST#: 2**  
Test Start: 2011.04.09 @ 18:50:21

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 38000 ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.80 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5100.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

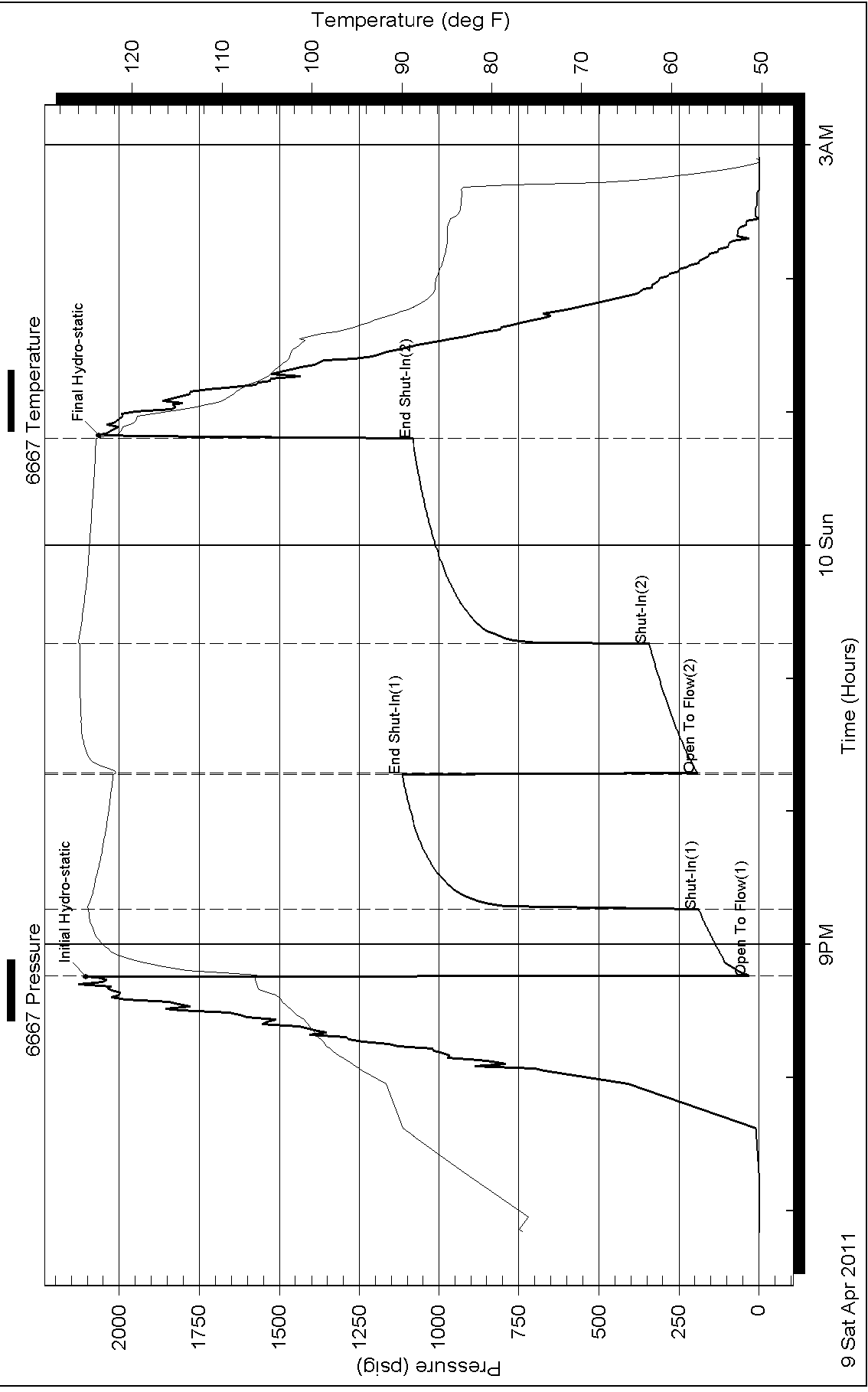
Recovery Table

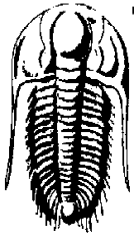
Length ft	Description	Volume bbl
240.00	water w/oil spots	1.745
180.00	s m c w trace of oil 10%m 90%w	2.525
180.00	v s o c m w 2%o 25%m 73%w	2.525
90.00	s o c m w 5%o 30%m 65%	1.262
0.00	6" in free oil on top 100%o	0.000

Total Length: 690.00 ft      Total Volume: 8.057 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: rw .239 @ 55\*f = 38,000 chlor



### Pressure vs. Time





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Murfin Drilling Co Inc  
250 N Water Ste 300  
Wichita, Ks  
67202  
ATTN: Paul Gunzelman

**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
Job Ticket: 042190 **DST#: 3**  
Test Start: 2011.04.10 @ 12:21:13

## GENERAL INFORMATION:

Formation: **E-F**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 14:24:28  
Time Test Ended: 20:35:43  
Interval: **4232.00 ft (KB) To 4254.00 ft (KB) (TVD)**  
Total Depth: 4254.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 3238.00 ft (KB)  
3233.00 ft (CF)  
KB to GR/CF: 5.00 ft

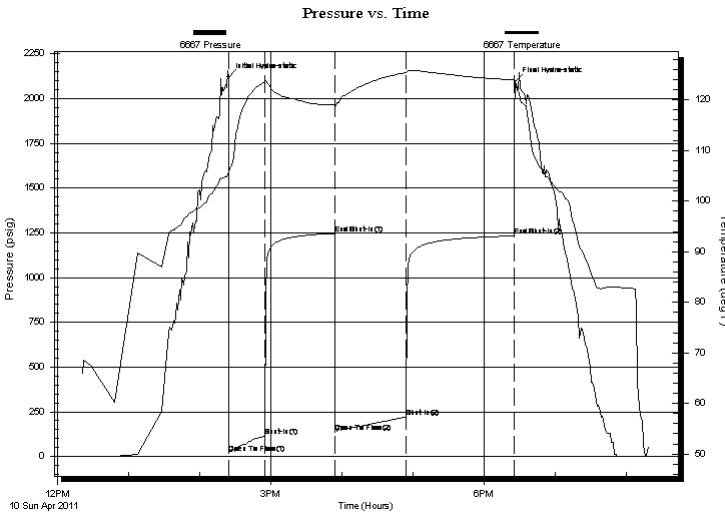
## Serial #: 6667

Inside

Press @ Run Depth: 221.86 psig @ 4233.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.04.10 End Date: 2011.04.10 Last Calib.: 2011.04.10  
Start Time: 12:21:13 End Time: 20:19:43 Time On Btm: 2011.04.10 @ 14:24:13  
Time Off Btm: 2011.04.10 @ 18:26:13

TEST COMMENT: 8 1/2" in blow  
No return  
B.O.B. in 52 min.  
No return

## PRESSURE SUMMARY



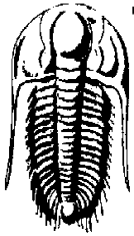
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2120.89	105.70	Initial Hydro-static
1	18.17	105.41	Open To Flow (1)
31	112.07	123.53	Shut-In(1)
90	1246.57	118.97	End Shut-In(1)
91	135.77	118.53	Open To Flow (2)
150	221.86	125.37	Shut-In(2)
242	1233.32	123.96	End Shut-In(2)
242	2097.84	123.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	water 100%w	1.75
60.00	s m c w w/oil spots 10%m 90%w	0.84
90.00	m c w w/oil spots 30%m 70%w	1.26
0.00	show of oil in tool	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co Inc  
250 N Water Ste 300  
Wichita, Ks  
67202  
ATTN: Paul Gunzelman

**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
Job Ticket: 042190 **DST#: 3**  
Test Start: 2011.04.10 @ 12:21:13

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 57500 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.40 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 6000.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	water 100%w	1.745
60.00	s m c w w/oil spots 10%m 90%w	0.842
90.00	m c w w/oil spots 30%m 70%w	1.262
0.00	show of oil in tool	0.000

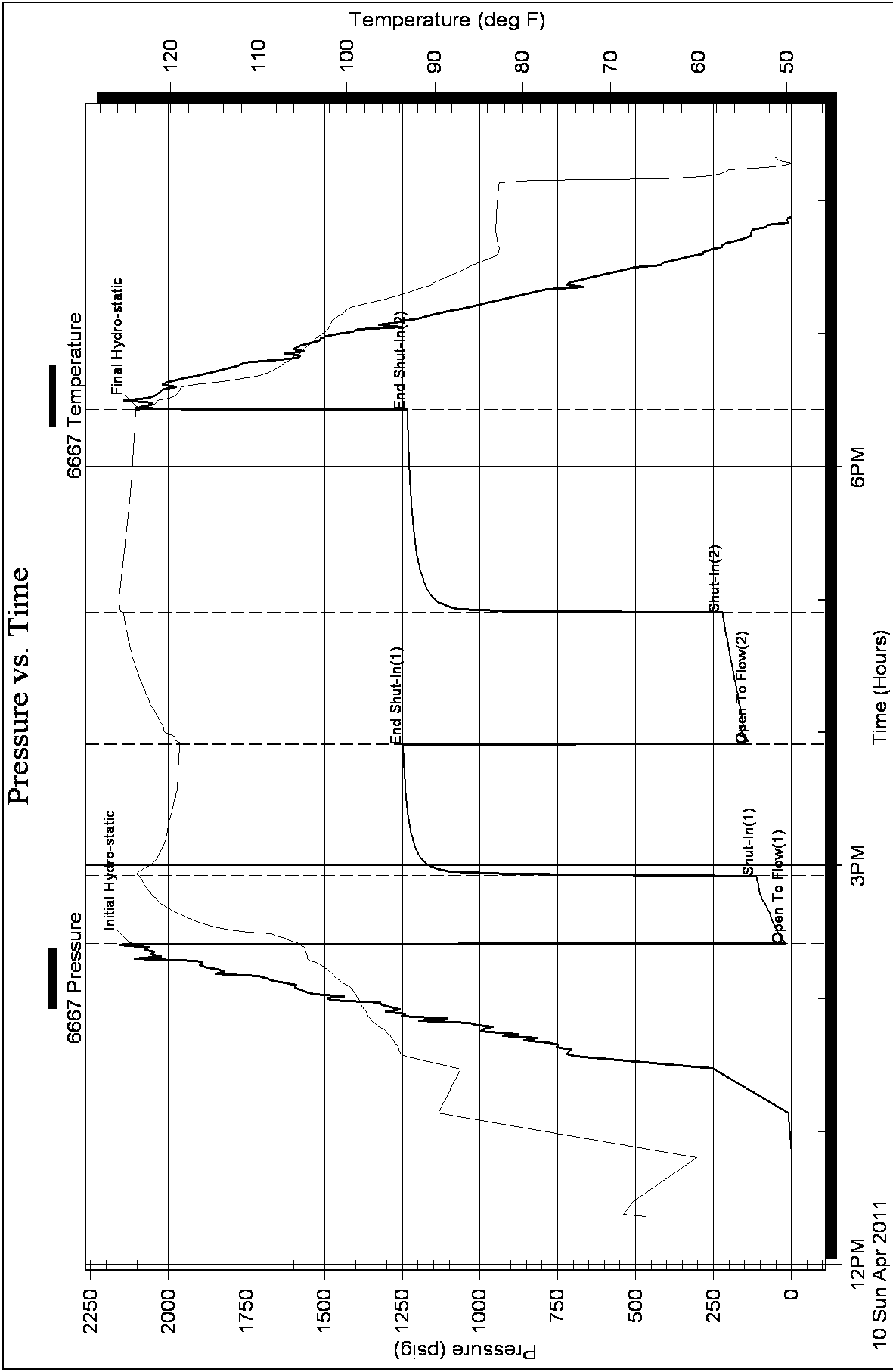
Total Length: 390.00 ft Total Volume: 3.849 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw .170 @ 55\*f =57,500 chlor

### Pressure vs. Time





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Murfin Drilling Co Inc  
250 N Water Ste 300  
Wichita, Ks  
67202  
ATTN: Paul Gunzelman

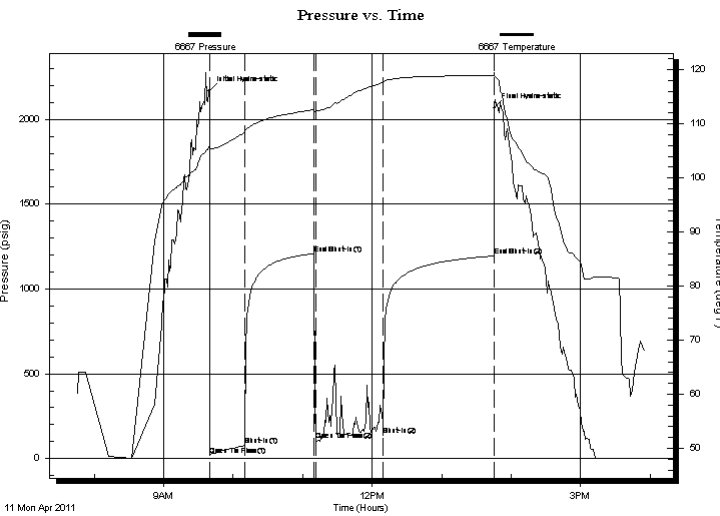
**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
Job Ticket: 042191 **DST#: 4**  
Test Start: 2011.04.11 @ 07:45:46

## GENERAL INFORMATION:

Formation: **H**  
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**  
Time Tool Opened: **09:39:46** Tester: **Shane McBride**  
Time Test Ended: **16:15:46** Unit No: **55**  
**Interval: 4292.00 ft (KB) To 4326.00 ft (KB) (TVD)** Reference Elevations: **3238.00 ft (KB)**  
Total Depth: **4326.00 ft (KB) (TVD)** **3233.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

**Serial #: 6667** **Inside**  
Press @ Run Depth: **136.11 psig @ 4293.00 ft (KB)** Capacity: **8000.00 psig**  
Start Date: **2011.04.11** End Date: **2011.04.11** Last Calib.: **2011.04.11**  
Start Time: **07:45:46** End Time: **15:55:46** Time On Btm: **2011.04.11 @ 09:39:31**  
Time Off Btm: **2011.04.11 @ 13:45:31**

TEST COMMENT: 5 1/2" in blow  
No return  
4 1/2" in blow  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2169.47	105.75	Initial Hydro-static
1	20.31	105.33	Open To Flow (1)
31	76.05	108.37	Shut-In(1)
91	1208.91	112.63	End Shut-In(1)
92	109.57	112.34	Open To Flow (2)
150	136.11	117.62	Shut-In(2)
246	1194.43	119.02	End Shut-In(2)
246	2068.63	119.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
230.00	s g w & o c m 3%g 12%w 40%o 45%m	1.60
15.00	free oil 100%o	0.21

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co Inc  
250 N Water Ste 300  
Wichita, Ks  
67202  
ATTN: Paul Gunzelman

**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
Job Ticket: 042191 **DST#: 4**  
Test Start: 2011.04.11 @ 07:45:46

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 20 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.80 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 7500.00 ppm		
Filter Cake: 2.00 inches		

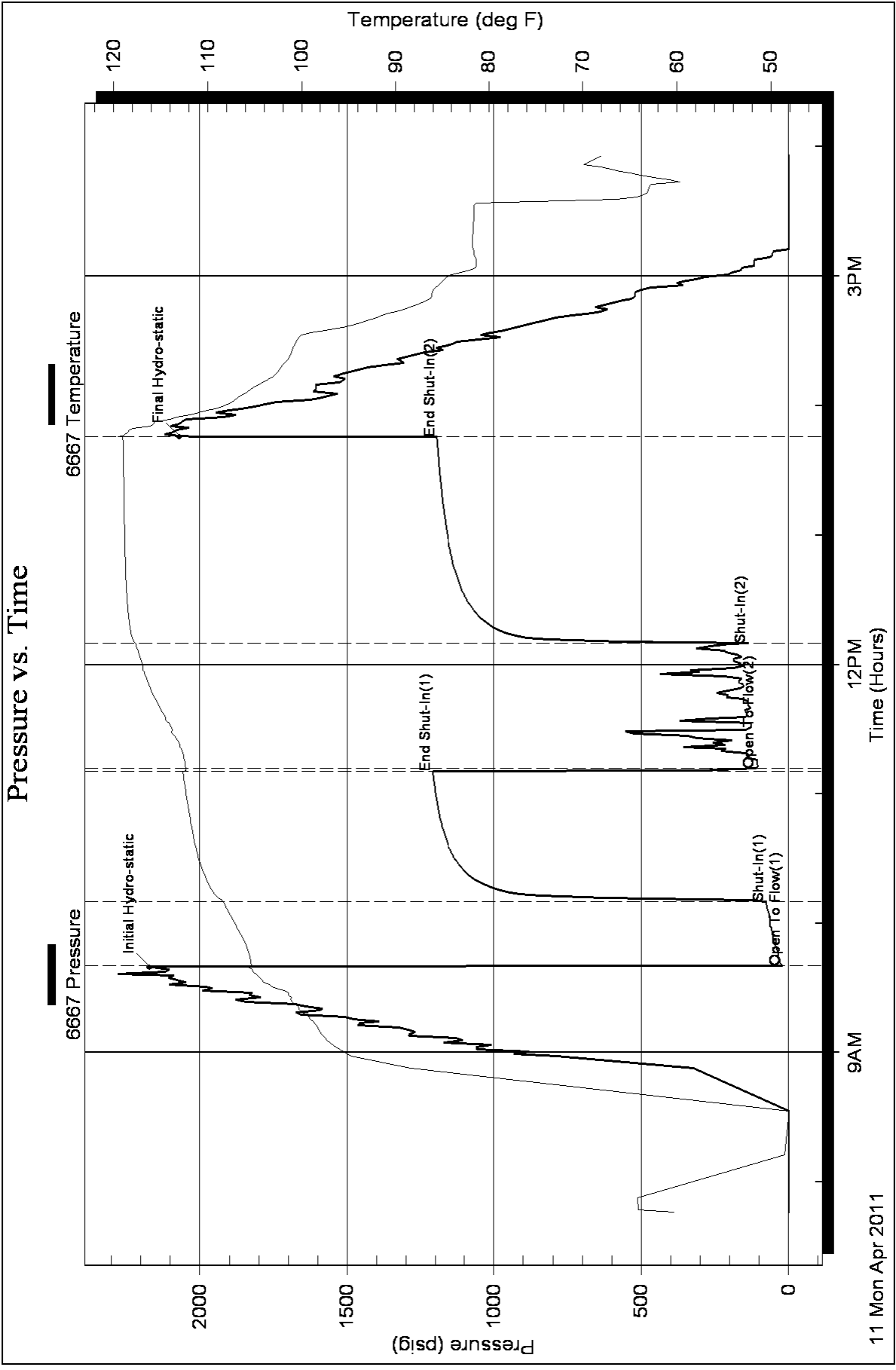
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
230.00	s g w & o c m 3%g 12%w 40%o 45%m	1.605
15.00	free oil 100%o	0.210

Total Length: 245.00 ft      Total Volume: 1.815 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

Murfin Drilling Co Inc  
 250 N Water Ste 300  
 Wichita, Ks  
 67202  
 ATTN: Paul Gunzelman

**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
 Job Ticket: 042192 **DST#: 5**  
 Test Start: 2011.04.12 @ 04:30:57

## GENERAL INFORMATION:

Formation: **I-J-K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:16:42  
 Time Test Ended: 12:55:12  
 Interval: **4328.00 ft (KB) To 4408.00 ft (KB) (TVD)**  
 Total Depth: 4408.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3238.00 ft (KB)  
 3233.00 ft (CF)  
 KB to GR/CF: 5.00 ft

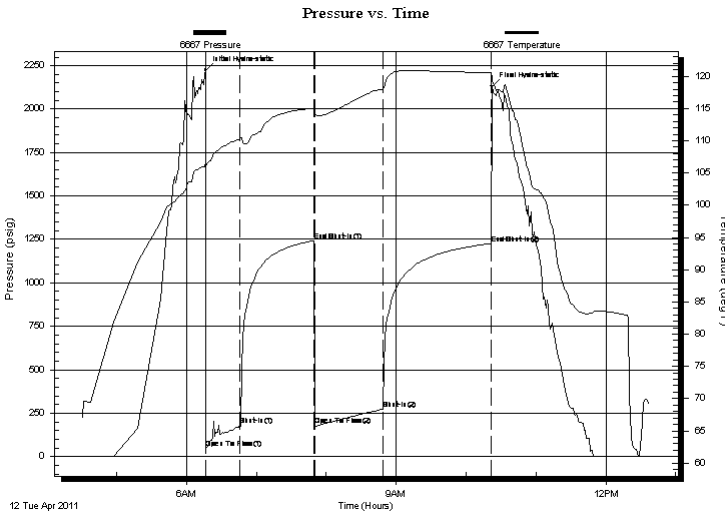
## Serial #: 6667

Inside

Press @ Run Depth: 273.24 psig @ 4329.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.04.12 End Date: 2011.04.12 Last Calib.: 2011.04.12  
 Start Time: 04:30:57 End Time: 12:38:12 Time On Btm: 2011.04.12 @ 06:16:27  
 Time Off Btm: 2011.04.12 @ 10:22:12

TEST COMMENT: B.O.B. in 15 min.  
 No return  
 B.O.B. in 22 min.  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.92	106.70	Initial Hydro-static
1	46.60	105.86	Open To Flow (1)
30	180.26	110.32	Shut-In(1)
93	1243.07	115.05	End Shut-In(1)
94	177.42	114.48	Open To Flow (2)
153	273.24	117.99	Shut-In(2)
245	1226.17	120.64	End Shut-In(2)
246	2130.70	119.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
255.00	s o & m c w 5%o 15%m 80%w	1.96
180.00	s o c m w 5%o 40%m 55%w	2.52
60.00	c s g o 3%g 97%o	0.84

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co Inc  
250 N Water Ste 300  
Wichita, Ks  
67202  
ATTN: Paul Gunzelman

**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
Job Ticket: 042192      **DST#: 5**  
Test Start: 2011.04.12 @ 04:30:57

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 34500 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.60 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 7900.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	s o & m c w 5%o 15%m 80%w	1.955
180.00	s o c m w 5%o 40%m 55%w	2.525
60.00	c s g o 3%g 97%o	0.842

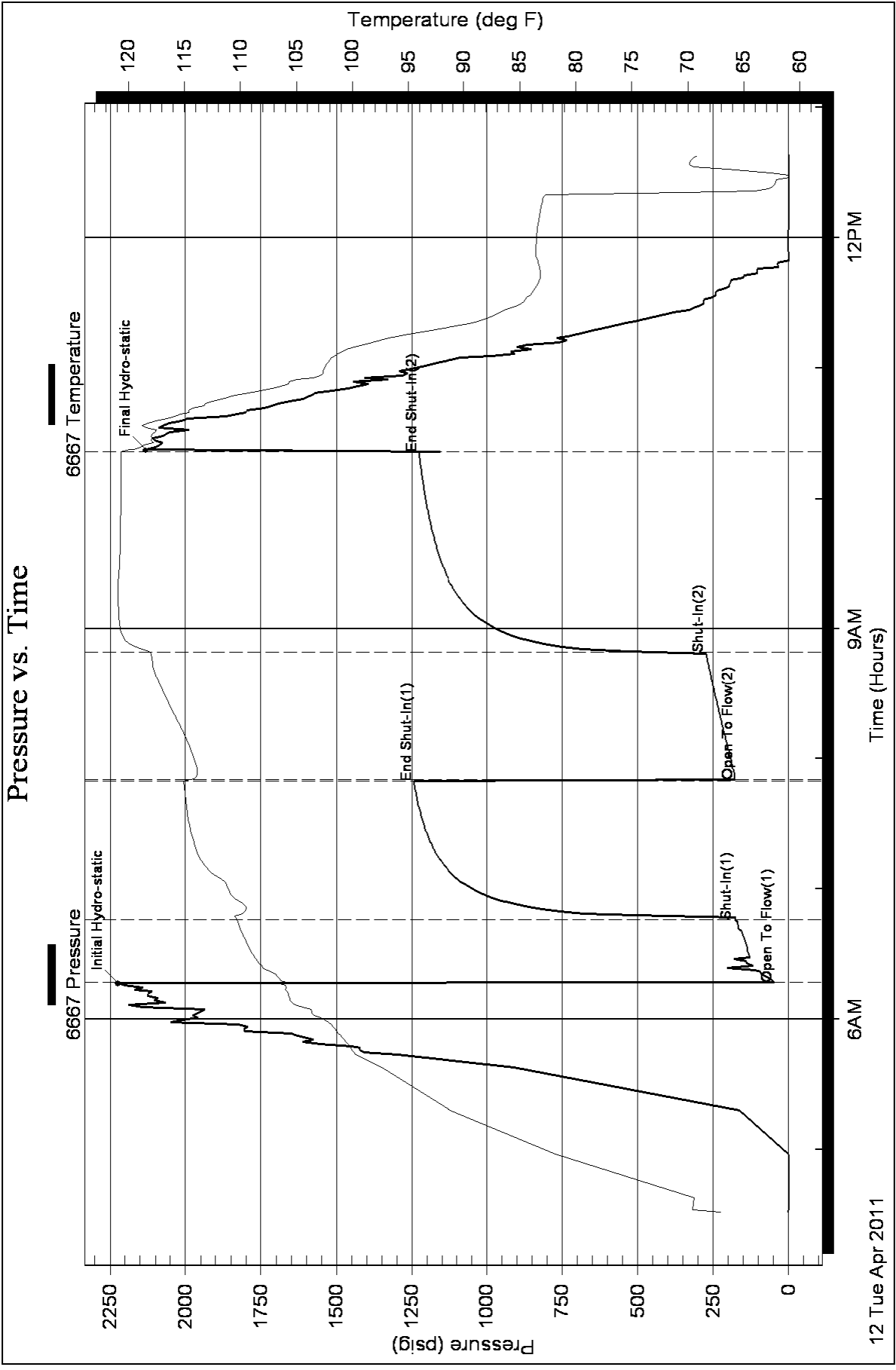
Total Length: 495.00 ft      Total Volume: 5.322 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: rw .182 @ 78\*f = 34,500 chlor

### Pressure vs. Time





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Murfin Drilling Co Inc  
 250 N Water Ste 300  
 Wichita, Ks  
 67202  
 ATTN: Paul Gunzelman

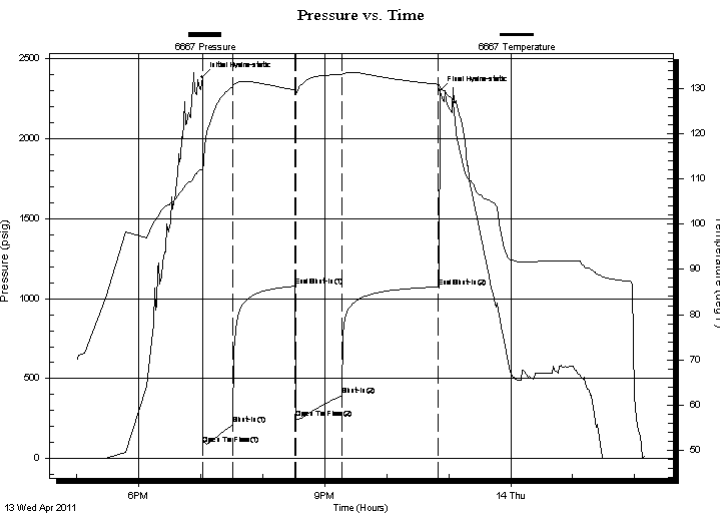
**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
 Job Ticket: 042193 **DST#: 6**  
 Test Start: 2011.04.13 @ 17:01:04

## GENERAL INFORMATION:

Formation: **L.Pawnee-Ft Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:01:49  
 Time Test Ended: 02:25:49  
 Interval: **4594.00 ft (KB) To 4648.00 ft (KB) (TVD)**  
 Total Depth: 4648.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3238.00 ft (KB)  
 3233.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6667 Inside**  
 Press @ Run Depth: 394.42 psig @ 4595.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.04.13 End Date: 2011.04.14 Last Calib.: 2011.04.14  
 Start Time: 17:01:05 End Time: 02:09:50 Time On Btm: 2011.04.13 @ 19:01:35  
 Time Off Btm: 2011.04.13 @ 22:51:35

**TEST COMMENT:** B.O.B. in 2 1/2 min.  
 Bled off for 30 min. 6" in return blow  
 B.O.B. in 2 1/2 min.  
 G.T.S. 10 min. into shutin, bled off throughout



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2386.81	111.95	Initial Hydro-static
1	86.57	111.52	Open To Flow (1)
30	211.93	130.43	Shut-In(1)
90	1078.32	129.60	End Shut-In(1)
91	250.78	128.92	Open To Flow (2)
135	394.42	133.05	Shut-In(2)
229	1073.25	130.89	End Shut-In(2)
230	2302.87	130.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	g m c o 30%g 30%m 40%o under circ \$ul0.59	
780.00	c g o reversed out 35%g 65%o	10.41
120.00	c g o 35%g 65%o	1.68

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co Inc  
250 N Water Ste 300  
Wichita, Ks  
67202  
ATTN: Paul Gunzelman

**Steele A #1-20**  
**20-10-34 Thomas, Ks**  
Job Ticket: 042193      **DST#: 6**  
Test Start: 2011.04.13 @ 17:01:04

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.80 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 8000.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

Recovery Table

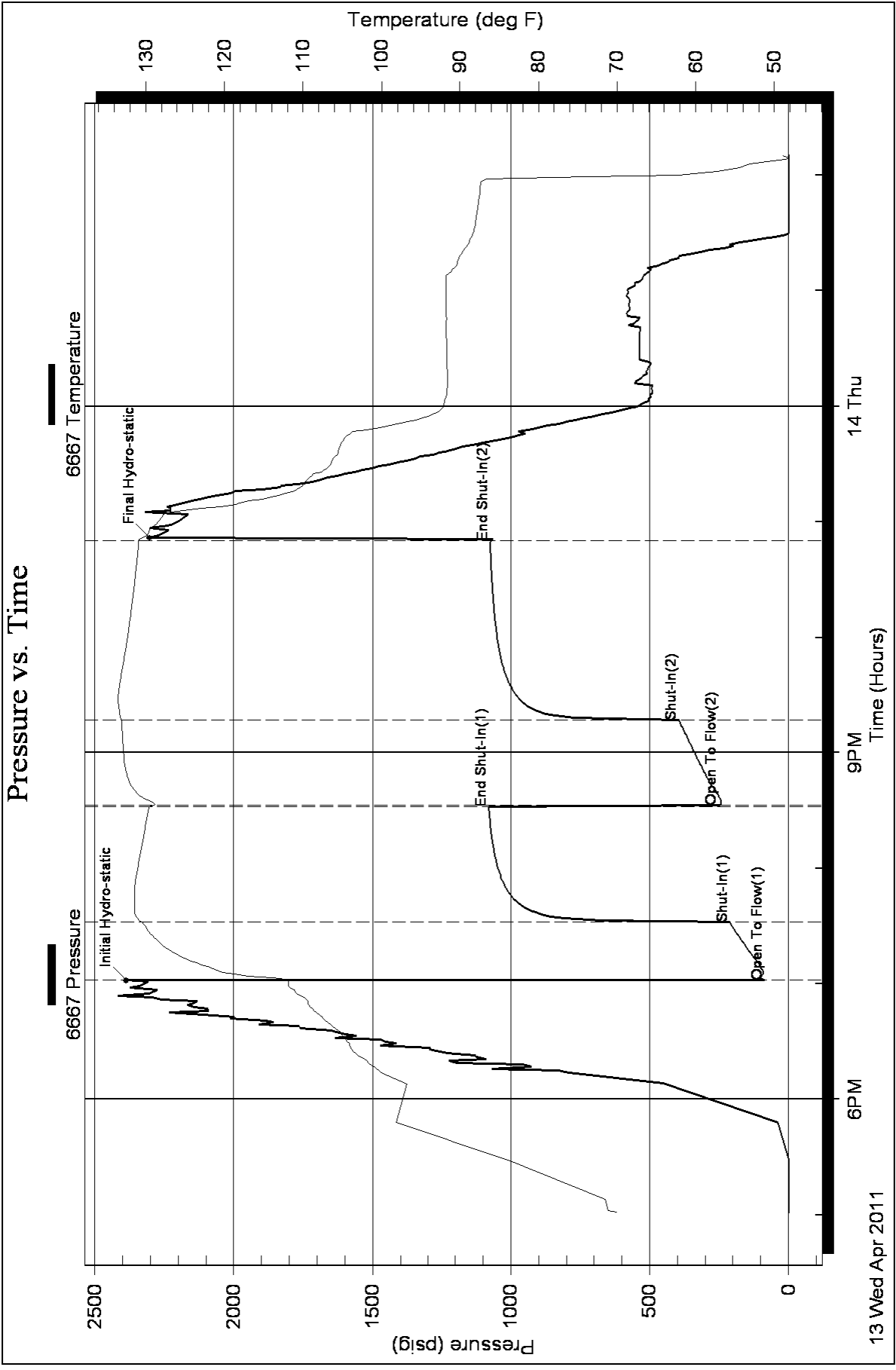
Length ft	Description	Volume bbl
120.00	g m c o 30%g 30%m 40%o under circ sub	0.590
780.00	c g o reversed out 35%g 65%o	10.413
120.00	c g o 35%g 65%o	1.683

Total Length: 1020.00 ft      Total Volume: 12.686 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887  
 Fax: (785) 483-5566

**Bill To:**  
 Murfin Drfg. Co., Inc.  
 250 N. Water  
 STE #300  
 Wichita, KS 67202

Federal Tax I.D.#: 20-5975804

*for*  
**INVOICE**  
 Invoice Number: 126765  
 Invoice Date: Apr 4, 2011  
 Page: 1

*MDC B A*

Customer ID	Well Name# or Customer P.O.	Payment Terms
Murfin	Steele A #1-20	Net 30 Days
Job Location	Camp Location	Service Date
KS1-01	Oakley	Apr 4, 2011
		Due Date
		5/4/11

Quantity	Item	Description	Unit Price	Amount
195.00	MAT	Class A Common	16.25	3,168.75
7.00	MAT	Chloride	58.20	407.40
206.00	SER	Handling	2.25	463.50
20.00	SER	Mileage 206 sx @.11 per sk per mi	22.66	453.20
1.00	SER	<u>Surface</u>	1,125.00	1,125.00
40.00	SER	Pump truck Mileage	7.00	280.00
40.00	SER	Light Vehicle Mileage	4.00	160.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McChghy		
1.00	OPER ASSIST	We Flinn		
			<i>OK</i>	

Subtotal	6,057.85
Sales Tax	261.06
Total Invoice Amount	6,318.91
Payment/Credit Applied	
<b>TOTAL</b>	<b>6,318.91</b>

ALL PRICES ARE NET, PAYABLE  
 30 DAYS FOLLOWING DATE OF  
 INVOICE. 1 1/2% CHARGED  
 THEREAFTER. IF ACCOUNT IS  
 CURRENT, TAKE DISCOUNT OF

*\$ 2,120.24*

ONLY IF PAID ON OR BEFORE  
**Apr 29, 2011**

*- 212024*

# ALLIED CEMENTING CO., LLC. 039906

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Dakley KS

DATE <u>4/4/11</u>	SEC. <u>20</u>	TWP. <u>10</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30pm</u>	JOB FINISH <u>7:00pm</u>
LEASE <u>Steele A</u>	WELL # <u>1-200</u>	LOCATION <u>Monument NW 20 Thomas Co. Rd Thomas</u>			COUNTY <u>Thomas</u>	STATE <u>KS</u>	
OLD OR NEW <u>(circle one)</u>							

CONTRACTOR Murfen 8 OWNER Seams

TYPE OF JOB Surface  
 HOLE SIZE 17 1/4 T.D. 246  
 CASING SIZE 8 5/8 DEPTH 246-7  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH

PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15'  
 PERFS.  
 DISPLACEMENT 14-25929

EQUIPMENT  
 PUMP TRUCK CEMENTER Alan  
 # 422 HELPER Wayne  
 BULK TRUCK DRIVER Wes  
 BULK TRUCK DRIVER

REMARKS:  
Run 8 5/8 csg. Bicarbonate Mix  
Cement, Displace Cement.  
Cement did Circulate  
Thank you  
Alan, Wayne, Wes  
 CHARGE TO Murfen Drilling Co  
 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 Rodney Fair  
 SIGNATURE Rodney Fair

DEPTH OF JOB 296.7  
 PUMP TRUCK CHARGE 1125  
 EXTRA FOOTAGE  
 MILEAGE 20 x 2  
 MANIFOLD  
 LIT Vehicle 20 x 2  
 TOTAL 1565

SERVICE  
 TOTAL 4492.82  
 TOTAL 4492.82

PLUG & FLOAT EQUIPMENT  
 SALES TAX (If Any)  
 TOTAL CHARGES  
 DISCOUNT IF PAID IN 30 DAYS



P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300

Accty -

cc list  
cc page (file  
Scan his

# Invoice

DATE	INVOICE #
4/26/2011	20621

BILL TO  
Murfin Drilling Co Inc  
PO Box 661  
Colby, KS 67701-0661

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator			
Net 30	#1-20	Steele A	Thomas	Murfin Drilling	Oil	Development	Cement Port Collar	Jason			
PRICE REF.	DESCRIPTION						QTY	UM	UNIT PRICE	AMOUNT	
575D	Mileage - 1 Way						80	Miles	5.00	400.00	
576D-D	Pump Charge - Port Collar - 2752 Feet						1	Job	1,100.00	1,100.00	
279	Bentonite Gel						4	Sack(s)	25.00	100.00T	
290	D-Air						4	Gallon(s)	35.00	140.00T	
276	Flocele						77	Lb(s)	1.50	115.50T	
330	Swift Multi-Density Standard (MIDCON II)						305	Sacks	15.00	4,575.00T	
581D	Service Charge Cement						400	Sacks	1.50	600.00	
583D	Drayage						1,595.6	Ton Miles	1.00	1,595.60	
Subtotal										8,626.10	
Sales Tax Thomas County										359.93	
<p>USED FOR <u>IC 103</u></p> <p>APPROVED <u>[Signature]</u></p>										7.30%	
<b>We Appreciate Your Business!</b>									<b>Total</b>	\$8,986.03	





CHARGE TO: MURFIN DRILLING  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
20621

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>NESS City, KS.</u>	WELL/PROJECT NO.	LEASE <u>STEELE A 1-2D</u>	COUNTY/PARISH <u>THOMAS</u>	STATE <u>KS.</u>	CITY <u>MONUMENT, KS.</u>	DATE <u>26 APR 11</u>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>MURFIN DRILLING</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>CEMENT PORT COLLAR</u>	WELL PERMIT NO.	WELL LOCATION <u>2w, 7N, 4w, 23S, W110</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #110	80	ML			5 <sup>00</sup>	400 <sup>00</sup>
576D		1			Pump CHARGE	1	JOB	2752	FT.	1100 <sup>00</sup>	1100 <sup>00</sup>
279		1			BENTONITE GEL	4	SX			25 <sup>00</sup>	100 <sup>00</sup>
290		1			D AIR	4	gal			35 <sup>00</sup>	140 <sup>00</sup>
276		1			FLOCELE	77	lbs			1 <sup>50</sup>	115 <sup>50</sup>
330		1			SWIFT MULTI DENSITY	30.5	SX			15 <sup>00</sup>	457.5 <sup>00</sup>
581		1			SERVICE CHARGE CEMENT	400	SX			1 <sup>50</sup>	600 <sup>00</sup>
583		1			DRAPAGE	39890	lbs	1595	TD	1 <sup>00</sup>	1595 <sup>00</sup>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]  
 DATE SIGNED 26 April TIME SIGNED 14:30  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	8626 <sup>10</sup>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Thomas TAX 7.3%	359.93
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	8986 <sup>03</sup>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVAL

Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE: 26 APR 11 PAGE NO.

CUSTOMER MURKIN DRILLING	WELL NO.	LEASE	JOB TYPE	TICKET NO.	PUMPS		VOLUME (BBL)(GAL)	RATE (BPM)	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					T	C			TUBING	CASING	
	1210		STEEL A 1-28 CEMENT PORT COLLAR	20021							ON LOCATION
	1234					✓			1000		PORT COLLAR @ 2752
	1236				✓			3	500		TEST - HELD
	1238				✓		18	4	1000		OPEN PORT COLLAR TAKE JKS RATE. MIX 4 5x 6EL.
	1247				✓		10	4	700		Pump 10 BBL WATER
	1252				✓		109	4	600		MIX 3053x 5MID
					✓		9 1/2	3	500		DISPLACE CEMENT
	1339										CLOSE PORT COLLAR
	1341				✓				1200		TEST - HELD
											RUN LISTS.
	1352				✓		30	3	500		REVERSE CEMENT OUT
	1405										WASH TRUCK
	1430										SUB COMPLETE
											THANKS B 110
											JASON SEFF LANE



P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



# Invoice

DATE	INVOICE #
4/16/2011	19648

Acety ✓  
cc: wj  
cc: p1 LR  
Scan-bit

BILL TO
Murfin Drilling Co Inc PO Box 661 Colby, KS 67701-0661

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-20	Steele A	Thomas	Murfin Drilling #8	Oil	Development	LongString	Dave
PRICE REF.	DESCRIPTION						UNIT PRICE	AMOUNT
575D	Mileage - 1 Way						5.00	400.00
578D-L	Pump Charge - Long String						1,400.00	1,400.00
221	Liquid KCL (Clayfix)						25.00	100.00T
280	Flocheck 21						2.50	1,250.00T
290	D-Air						35.00	70.00T
402-5	5 1/2" Centralizer						65.00	975.00T
403-5	5 1/2" Cement Basket						230.00	460.00T
404-5	5 1/2" Port Collar						2,100.00	2,100.00T
406-5	5 1/2" Latch Down Plug & Baffle						225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill						300.00	300.00T
413-5	5 1/2" Roto Wall Scratcher						40.00	1,000.00T
419-5	5 1/2" Rotating Head Rental						150.00	150.00T
325	Standard Cement						12.00	2,700.00T
276	Flocele						1.50	75.00T
283	Salt						0.15	168.75T
284	Calseal						30.00	330.00T
285	CFR-1						4.00	600.00T
581D	Service Charge Cement						1.50	337.50
583D	Drayage						1.00	943.00
Subtotal								13,584.25
Sales Tax Thomas County							7.30%	766.77
USED FOR IC-103								
APPROVED								
<b>We Appreciate Your Business!</b>							<b>Total</b>	\$14,351.02



CHARGE TO: MURFIN DRUG

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET  
19648

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>HAYS</u>	WELL/PROJECT NO. <u>1-20</u>	LEASE <u>STEELE A</u>	COUNTY/PARISH <u>THOMAS</u>	STATE <u>KS</u>	CITY	DATE <u>04-16-11</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>MURFIN 48</u>	SHIPPED VIA <u>C.T.</u>	DELIVERED TO <u>N. PAGE CITY</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOP</u>	JOB PURPOSE <u>LONGSTRUNG</u>	WELL PERMIT NO. <u>15-FB-20792</u>	WELL LOCATION <u>S20 T10 R39</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE #112	80	mi			5.00	400	00
578		1			Pump Service	1	EA			1400.00	1400	00
221		1			LIQUIDILL	4	Gal			25.00	100	00
280		1			FLOCHECK 21	500	Gal			2.50	1250	00
290		1			D-AIR	2	Gal			35.00	70	00
402		1			CENTRALIZER	15	EA	5 1/2 in		65.00	975	00
403		1			BASSET	2	EA			230.00	460	00
404		1			PORT COLLAR <u>275-114</u>	1	EA			2100.00	2100	00
406		1			LATCH DOWN PLUG & BARRIS	1	EA			225.00	225	00
407		1			INSERT FLOAT SHOE 1/2 AUTO FILL	1	EA			300.00	300	00
413		1			ROTOWIRE SCRATCHER <u>15 FT</u>	25	EA			40.00	1000	00
419		1			ROTATING HEAD RENTAL	1	EA			150.00	150	00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

x [Signature]

DATE SIGNED: 04-16-11 TIME SIGNED: 1600  A.M.  P.M.

REMIT PAYMENT TO:  
  
SWIFT SERVICES, INC.  
P.O. BOX 466  
NESS CITY, KS 67560  
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL P6-1	8930	00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL P6-2	5154	25
WE UNDERSTOOD AND MET YOUR NEEDS?				sub TOTAL	13584	25
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Thomas TAX 7.3%	766	77
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	14,351	02
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVAL \_\_\_\_\_

Thank You!



PO Box 466.  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 19698

PRICE REFERENCE			SECONDARY REFERENCE/ PART NUMBER			ACCOUNTING			TIME	DESCRIPTION	WELL		DATE		PAGE		UNIT PRICE	AMOUNT
						LOC	ACCT	DF			QTY.	U/M	QTY.	U/M	2	OF		
		325					2				SD	EA-2	025	SK			12.00	2700.00
		276					2				FLOECE		50	LB			1.50	75.00
		283					2				SAG		1125	LB			15	168.75
		281					2				CHSEAL		11	SK			30.00	330.00
		285					2				CFR-1		150	LB			4.00	600.00
		SR1					2				SERVICE CHG CMT		225	SK			1.50	337.50
		SR3					2				DRAVAGE		943.0	TON			1.00	943.00
										SERVICE CHARGE		CUBIC FEET						
										MILEAGE CHARGE		TOTAL WEIGHT		LOADED MILES		TON MILES		

CONTINUATION TOTAL

**JOB LOG**

**SWIFT Services, Inc.**

DATE 01/16/11 PAGE NO. 1

TICKET NO. 19618

JOB TYPE LONGSTRING

LEASE STEELE A

WELL NO. 1-20

CUSTOMER MURPHY DRUG

CHART NO.	TIME	RATE (BPM)	VOLUME (BBU) (GAL)	PUMPS		PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
				T	C			

1000								PRODUCTION
------	--	--	--	--	--	--	--	------------

								CMT: 225 SS STD EA-2
								RTO SHES, SET PIP 4834, SJ 20.0, TASSIT 4813
								5 1/2 ISS*, PORT COLLAR ON TOP SD, 2754 FT
								CURT 1-14, 49 BANNET 4850, 150 FT BDD, SUMPING

1830								START S.S. FLOATEY
------	--	--	--	--	--	--	--	--------------------

1915								1/2 WAY IN #56 BREAKER 20 mins
------	--	--	--	--	--	--	--	--------------------------------

2105								THE BOTTOM. DROPP BALL
------	--	--	--	--	--	--	--	------------------------

2115								BREATH GEAR & ROCKET PIPE
------	--	--	--	--	--	--	--	---------------------------

2230		5.0	7.5					PLUG P&30, MH 15
------	--	-----	-----	--	--	--	--	------------------

2235			15				300	MCL FLUSH
------	--	--	----	--	--	--	-----	-----------

			12					FLOORHEAD - 500 GAL
--	--	--	----	--	--	--	--	---------------------

			5					MCL FLUSH
--	--	--	---	--	--	--	--	-----------

2040			43.5					EA-2 CMT 182 SS
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								DROPPED PLUG, WASH PL
--	--	--	--	--	--	--	--	-----------------------

2045		7.0	0				200	START DOP 1/2 DDBHS MCL
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			71.5				300	CMT ON SYSTEM
--	--	--	------	--	--	--	-----	---------------

			95				600	
--	--	--	----	--	--	--	-----	--

			100				700	
--	--	--	-----	--	--	--	-----	--

			105				800	
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2300		4.7	141.5				1500	LABOR PLUG
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2305								RELEASE DOP
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JOB COMPLETE

THANK YOU!  
DATE, JAS HB, ROB