



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1079495
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

| | | |
|-----------------------------------|-----------------|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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

1079495

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

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

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

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| | | | | |
|---|--|------------------------------|----------------------------------|---------------------------------|
| Drill Stem Tests Taken <i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Electric Log Run | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| List All E. Logs Run: | | | | |

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|---|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: 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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

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

April 24, 2012

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

Re: ACO1
API 15-065-23800-00-00
Ruder Unit 1-36
SE/4 Sec.36-10S-24W
Graham County, Kansas

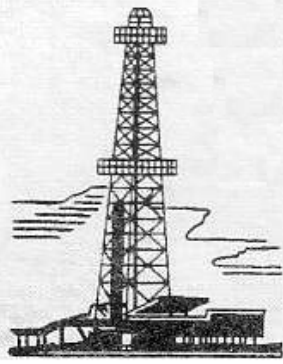
Dear Production Department:

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

| Ruder Unit #1-36 1830' FSL 1110' FEL Sec. 36-T10S-R24W 2360' KB | | | | | | | Ruder #1C 1650' FSL 3630' FEL Sec. 36-T10S-R24W 2242' KB | |
|--|-------------|-------|-----|----------|-------|------|---|-------|
| Formation | Sample tops | Datum | Ref | Log Tops | Datum | Ref | Log Tops | Datum |
| Anhydrite | 1962 | +398 | +6 | 1962 | +398 | +6 | 1932 | +392 |
| B/Anhydrite | 1999 | +361 | +10 | 1998 | +362 | +11 | 1973 | +351 |
| Topeka | 3454 | -1094 | +1 | 3454 | -1094 | +1 | 3419 | -1095 |
| Heebner | 3670 | -1310 | +4 | 3672 | -1312 | +2 | 3638 | -1314 |
| Toronto | 3691 | -1331 | +5 | 3693 | -1333 | +3 | 3660 | -1336 |
| Lansing | 3703 | -1343 | +5 | 3706 | -1346 | +2 | 3672 | -1348 |
| BKC | | | | 3942 | -1582 | +4 | 3910 | -1586 |
| Cherokee | 4119 | -1759 | +2 | 4118 | -1758 | +3 | 4085 | -1761 |
| Mississippi | 4242 | -1882 | +2 | 4244 | -1884 | Flat | 4208 | -1884 |
| RTD | 4325 | | | | | | 4250 | |
| LTD | | | | 4327 | -1967 | | | |



WELLSITE GEOLOGIST'S REPORT

VERNON C. SCHRAG
CONSULTANT GEOLOGIST



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

Well Name: RUDER UNIT #1-36
Location: SW SW NW SE Sec. 36-10s-24w
Licence Number: API: 15-065-23800
Spud Date: January 13, 2012
Surface Coordinates: 1430' FSL 2600 FEL

Region: Graham Co., KS
Drilling Completed: January 22, 2012

| Bottom Hole Coordinates: | Vertical Hole |
|---|---------------------------------|
| Ground Elevation (ft): 2355' | K.B. Elevation (ft): 2360' |
| Logged Interval (ft): 3350' | To: RTD Total Depth (ft): 4325' |
| Formation: Mississippi | |
| Type of Drilling Fluid: Chemical Premix (Displaced) | |

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR:

Company: Murfin Drilling Co., Inc.
Address: 250 North Water
Suite 300
Wichita, KS 67202-1216

DRILLING CONTRACTOR:

Murfin Drilling Company, Rig #16

DP 4.5" XH (16.6#); DC 6.25" x 2.50" x 415.17', Kelly + Sub 41.75', Tool Joint 5.5" ; Bit: HTC GXZOC, 7-7/8", jets 16-16-18; Kelly Bushing 5' above ground level; Andy Dinkel (tool pusher).

SURFACE CASING:

Set 8-5/8" casing at 219' (23#)

CIRCULATION SYSTEM:

Pump: EMSCO D-375, duplex, 6 x 14, 2" rod, 62 spm, Chemical, premix, Morgan Mud, Inc., McCook, Nebraska, David Lines.

GAS DETECTION SYSTEM:

None.

DRILL STEM TEST #1:

Zone: Toronto: Test Interval: 3669-3700' (31' anchor); Blow: weak incr 1.75" IFP, weak surf RB, no blow 2nd open, weak surf blow after 15 min FFP, no RB; Time Periods: 30-60-30-60; Recovery: 2' mud w/show of oil (100% M); Pressures: HP: 1794-1787; SIP: 1017-951, FP: 18-21, 37-23; BHT: 103 F; dual packers, safety joint, no jars, 29' DC; Trilobite Testing, Inc., Hays, KS, Jeff Brown.

DRILL STEM TEST #2:

Zone: Lansing "B" & "D": Test Interval: 3727-3758 (31' anchor); Blow: BOB in 30 sec IFP, RB BOB in 12 min ISIP, BOB 1 min FFP, BOB RB 4.5 min FSIP w/GTS; Time Periods: 30-60-30-90; Recovery: 2457' TF (examined 2 stands & reversed out); 2331' GO (20% G, 80% O, 34 grav, 6.25 ppg), 126' MWGO (20% W, 20% M, 60% O, R_w 0.151 at 43 F, chlorides 85k); Pressures: HP: 1821-1779, SIP: 994-993, FP: 274-594, 615-798; BHT 117 F; dual packers, safety joint, no jars, 29' DC; Trilobite Testing, Inc., Hays, KS, Jeff Brown.

DRILL STEM TEST #3:

Zone: Lansing "E" & "F": Test Interval: 3769-3794' (25' anchor); Blow: BOB in 22 min IFP, no RB, BOB 28 min FFP, no RB; Time Periods: 30-60-60-90; Recovery: 262' TF, 63' MW w/oil spots (10% M, 90% W), 199' MW (15% M, 85% W, R_w 0.193 at 26.2 F, chlorides 112k), Pressures: HP: 1854-1815, SIP: 943-929; FP: 23-78, 81-162; BHT 114 F; dual packers, safety joint, no jars, 29' DC; Trilobite Testing, Inc., Hays, KS, Jeff Brown.

DRILL STEM TEST #4:

Zone: Kans. City "H", "I": Test Interval: 3831-3880 (49' anchor); Blow: weak incr 3.5" IFP, surf RB, weak incr 3" FFP, surf RB incr 3/4"; Time Periods: 30-60-60-90; Recovery: 60' TF, 5' OCWM (10% O, 30% W, 60% M), 55' MW w/scum oil (50% M, 50% W, R_w 0.38 at 35.4 F, chlorides 38k); Pressures: HP: 1929-1902, SIP: 1159-1121; FP: 37-51, 55-63; BHT: 107 F; dual packers, safety joint, no jars, 29' DC; Trilobite Testing, Inc., Hays, KS, Jeff Brown.

DRILL STEM TEST #5:

Zone: Kans. City "J": Test Interval: 3875-3899 (24' anchor); Blow: BOB 12 min IFP, 6" RB, BOB 30 min FFP, 1.5" RB died in 45 min; Time Periods: 30-60-60-90; Recovery: 724' GIP, 194' TF, 116' GO (25% G, 75% O, 31 Grav), 78' HOCGM (20% G, 35% O, 45% M); Pressures: HP: 1945-1898, SIP: 1213-1217; FP: 24-48, 58-92; BHT: 113 F; dual packers, safety joint, no jars, 29' DC; Trilobite Testing, Inc., Hays, KS, Jeff Brown.

DRILL STEM TEST #6:

Zone: Kans. City "K": Test Interval: 3897-3915 (18' anchor); Blow: BOB 3 min IFP, 4" RB, BOB 4.5 min FFP, 4" RB; Time Periods: 30-60-60-90; Recovery: 1033' TF; 46' GO (5% G, 95% O, 30 Grav); 126' SOCWM (5% O, 30% W, 65% M); 861' MW w/scum of oil (10% M, 90% W); Pressures: HP: 1952-1893; SIP: 1119-1068; FP: 58-250, 264-494; BHT: 119 F; dual packers, safety joint, no jars, 29' DC; Trilobite Testing, Inc., Hays, KS, Jeff Brown.

OPEN HOLE LOGS:

DN, DI (SP) (Run-1); ML/Sonic (Run-2); 5" detail LTD-3300; 2" DI to surface casing; LogTech-Pioneer Wireline, Hays, KS, B. Becker, Log total depth (4327') was two feet low to rotary total depth (4325').

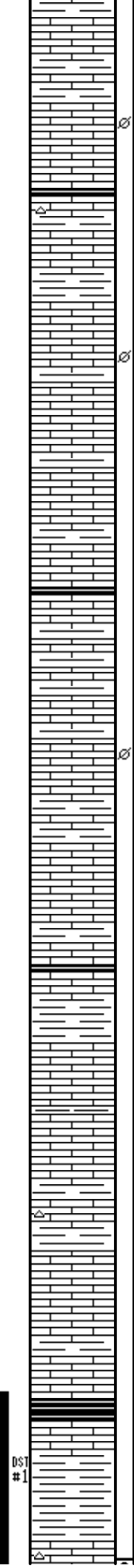
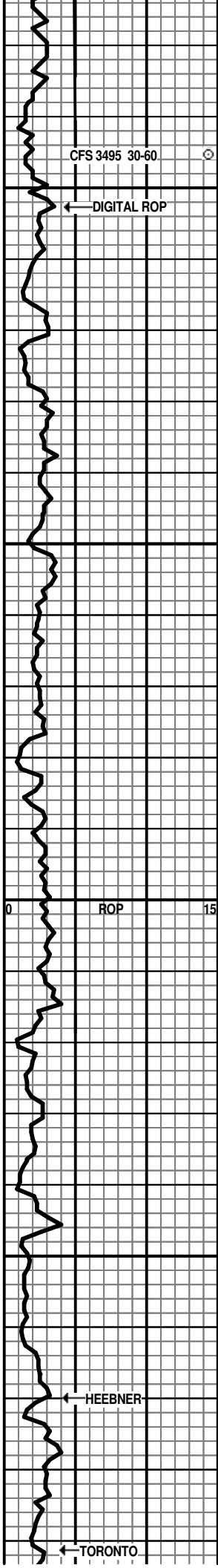
COMPLETION:

Oil Well.

7AM DAILY ACTIVITY:

01/13: MIRT, SPUD
 01/14: 470' Drilling
 01/15: 2440' Drilling, dev 1/2 at 2353'
 01/16: 3115' Drilling, Call 10:19 am
 01/17: 3700' DST #1
 01/18: 3758' DST #2
 01/19: 3793' DST #3
 01/20: 3899' DST #5
 01/21: 3915' DST #6
 01/22: 4325 RTD @ 6:12 am, Released 1:55 pm

| <p align="center">ROP ROP (min/ft) ———</p> | | <p align="center">DST</p> | <p align="center">Lithology</p> | <p align="center"><small>Porosity and Shows</small></p> | <p align="center">Depth</p> | <p align="center">Geological Descriptions</p> | <p align="center">Total Gas</p> |
|---|--|----------------------------------|--|---|--|---|--|
| | | | | | <p align="center">3350</p> <p>Shale & Silst: calc; phosphatic; LS: even lt-brown; mic-vf xtal; with much white, soft chalk; v-tight int xtal porosity; no shows; 3370.</p> <p>LS: med-brown w/ dark gray spots & streaks; vf-xtal; chalky to argill in part; no visible porosity; no shows; 3390.</p> <p>LS: med-brown; vf-xtal; dense; trc crinoids, fusulinids; no visible porosity; no shows;</p> <p align="center">3400</p> <p>Shale: dk gray, trace 3410.</p> <p>Shale: gray, greenish gray; calcareous;</p> <p>LS: med brown, grayish brown; vf-xtal; fusulinids, shell frags; no visible porosity; no shows; 3430.</p> <p>LS: grayish-brown, dk gray streaks & spots; fos as above; shaley; poor apparent porosity; no shows;</p> <p>Shale: gray, greenish-gray;</p> <p align="center">3450</p> <p>Shale/Siltst: marly, soft, sticky; silty in part; greenish, gray; 3460.</p> <p>TOPEKA 3452 (-1092) LS: lt-med brown; mic-vf xtal; chalky in part; fusulinids; poor apparent porosity; no shows; 3470.</p> <p>LS: as above; also grayish-brown, shaley; fos;</p> | <p align="center">GEO ON LOC ABOUT 3330.</p> <p align="center">MORGAN MUD: 3390: 01/16-4pm: VIS 73, WT 8.6, WL 6.0, CHL 800, pH: 11.5, LCM trace.</p> | |



LS: brown, grayish-brn; mic-vf xtal; shell frags; dense; no visible porosity; no shows;

LS: lt-brown; vf-xtal; finely oolitic in part; fos-frag; chalky in part; tight int xtal & scattered vug porosity; no shows;

3500
 LS: med-brn, grayish-brn, some w/dk gray spots; mic-vf xtal; trc black chert & sh; soft chalk; no visible porosity; no shows; 3510.
 LS: med brown w/scattered dk gray specks; vf-xtal; fos-frag; fusulinids; shell frags; various chert; soft chalk; tight int xtal porosity; no shows;

3550
 LS: med brown; vf-xtal; chalky in part; rough; trc coarse calcites; oolitic & fos-frag in part; fair inter grain porosity; no shows; 3540.
 LS: med-brown; vf-xtal; dense; sli fos; no visible porosity; no shows;

LS: lt brown w/scattered med-dk gray spots & streaks; shaley; fos; soft chalk; poor apparent porosity; no shows;

LS: as above, trc chert;

LS: med-brown w/dk gray, rounded grains; vf-xtal; marly; no visible porosity; no shows;

LS: as above;

LS: med-brown; vf-f xtal; scattered fine vug & pin point porosity; tight int xtal porosity; no shows; 3690.

LS: med-brown; vf-xtal; dense; poor apparent porosity; no shows;

3600
 LS: lt-md brown; vf-xtal; sli cherty; chalky in part; no visible porosity; no shows;

Shale: green; 3620.

LS: lt-md brown; vf-xtal; fusulinids; mostly dense; trc chert; sli chalky; poor apparent porosity; no shows; 3630.

LS: as above; trc shells;

LS: lt-brown; vf-xtal; much lt-brown, opa, fos chert; minor soft chalk; no vis por; N.S. 3660.

3650
 LS: lt-brown; mic-vf xtal; much soft chalk; trc fos-moldic porosity; no shows;

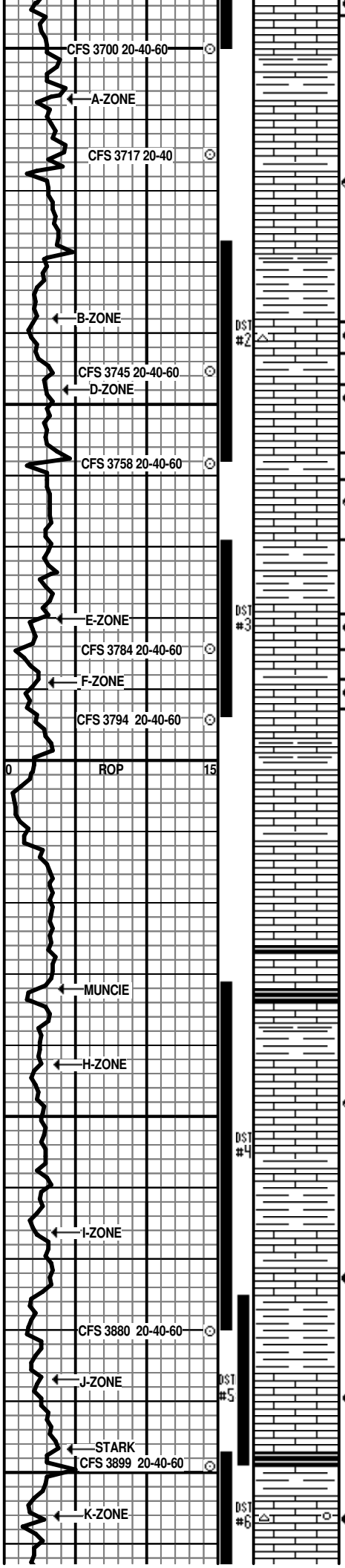
HEEBNER 3670 (-1310)
 Shale: black; carbon; 3680, 3690.
 LS: med-brown; vf-xtal; dense; trc chert; no visible porosity; no shows; 3690.
 Shale: mostly green, lesser gray; marly in part; trc 3690, incr3700.

TORONTO 3691 (-1331)
 LS: lt-brn; vf-xtal; much semi-opaq chert; fine-med

SHORT TRIP 15 STANDS WAS UNEVENTFUL.

DST #1: 3669-3700: WEAK BLOW, DIED FFP;
 30-60-30-60; 2' MUD; SIP: 1017-951; FP: 18-21, 37-23.

MORGAN MUD: 3700 WHILE TESTING: 01/17- 2pm; VIS 54, WT 9.1, WL 6.0, CHL 1200, pH 11.5, LCM trace.



3700
3750
3800
3850
3900

LANSING 3707 (-1347)

LS: med grayish-brown, becoming lt-brn to white down in; vf-xtal; finely granular, oolitic in part; sli fos; mostly dense; minor soft chalk; poor apparent porosity; no shows;
LS: lt-brn, off-white; mic-vf xtal; dense; smooth; most no poros or show; 1 chip capillary poros w/dk brn-blk pin pt stain & slow bleed oil; 3730.

Shale: most green, less gray, yellowish; blocky;

B-zone: LS: lt brn; vf-xtal; med-crs granular; much granular, brn-orange-red, oxidized chert; looks detrital; fair int grain & fine vug por; med brn stain, looks washed; v-sli show oil; dull fluor; no odor; nice spotted stain dry; 20m

D-zone: LS: lt-brn; vf-xtal; scattered med vug por w/druse; spotted med brn stain wet & dry; sli show oil; faint odor 3758-20 min, no od 40m

LS: white; mic-vf xtal; occasional fine vug w/ spotted stain; trc coarse ool w/fair int ool por & stain; mostly no vis porosity or show;

E-zone: LS: white; mic xtal; chalky; finely granular, sli oolitic; fragile; rough textured due to fine vug porosity; spotted med brn stain; sli show oil; faint odor; dull yel fluor; many chips 40 min. spotted-sat stain dry;

F-zone: LS: white; mic-xtal; chalky; finely granular; rough textured; fine vug porosity; spotted brn stain wet & dry; faint odor, 20 min; dull-trc bright fluor; trc fluor free oil; 40 min;

LS: white, lt brown; mic-vf xtal; dense to soft chalk; minor white chert; poor visible porosity; no shows;

LS: white, lt brown; mic-vf xtal; dense; platy; no visible porosity; no shows;

LS: as above;

LS: lt-gray, lt-grayish-brn; mic-xtal; dense; platy; no vis porosity; no show; 3840.

MUNCIE CREEK 3832 (-1472)

Shale: black; carbon; 3850.
LS: med-dk brown, lt brn mottled, w/trc dk gray spots; vf-xtal; dense; no visible porosity; no show; 3850.

LS: lt-brown; vf-xtal; sli ool, fos-frag; fine vug porosity; looks tight; med brn spotted stain; questionable oil show; no odor; no fluor;

LS: lt- med brn, mottled; vf-xtal; dense; no visible porosity; no shows;
Shale: green, gray, maroon

LS: lt-brn; vf-xtal; fine vug w/med brn stain; no oil show; no odor;

LS: lt brown; vf-xtal; fine-med oolite; trc fos- frag; fine vug porosity; looks tight; med brn stain; trc capillary bleeding oil; no odor; dull fluor; 20 min;

Shale: gray, maroon, marly; 3899 washes red.

J-Zone: LS: lt brown-gray; mic-vf xtal; fine-med vug porosity; spotted dk brn stain, 1 chip sat black stain w/speckled bright fluor; very sli show oil; no odor; starts 3899, decr 20 min.

STARK SH 3897 (-1537)

K-Zone: LS: lt brown; vf xtal; med-crs grain suptd oolites in relief w/blue-orange oolitic chert; fair int ool por, trc med vug w/ speckled bright fluor & sli bleed; trc dnse lime w/ rough edge & sat black stain & sli bleed which looks like fracture; scattered micro-drone

DST #2: 3727-3758: BOB 30 SEC, GTS FSIP; 30-60-30-90; 2457' OIL; SIP: 994-993, FP: 274- 594, 615-798.

MORGAN MUD: 3458': 01/18-1pm: VIS 53, WT 9.1, WL 6.0, CHL 1200, pH 11.5, LCM trace.

DST #3: 3769-3794: BOB 22 MIN; 30-60-60-90; 262' MW, SIP: 943-929, FP: 23-78, 81-162.

MORGAN MUD: 3880: WHILE CIRC; 01/19- 3pm; VIS 54, WT 9.1, WL 5.6, CHL 1200, pH 11.0, LCM trace, OIL 0.1%

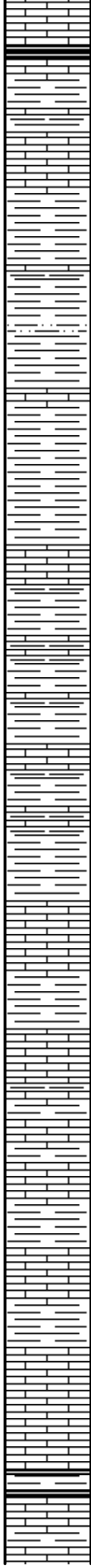
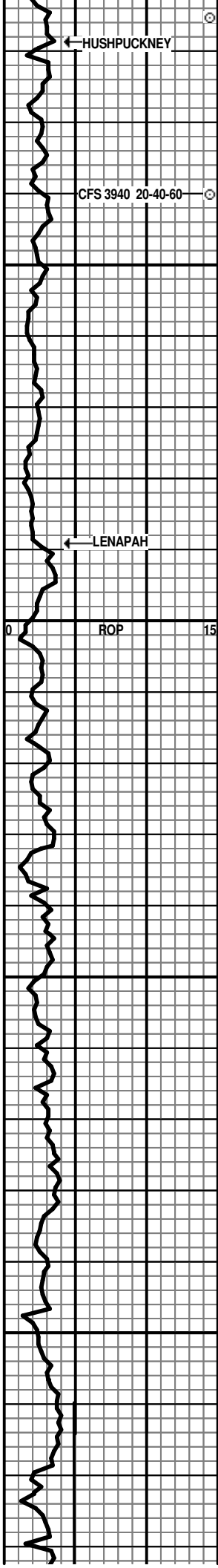
PULLED TIGHT, SHORT TRIP 15 STANDS

DST #4: 3831-3880: WEAK INCR BLOW; 30-60-60-90; 5' OCWM, 55' MW W/SCUM OIL; SIP: 1159-1121; FP: 37-51, 55-63

MORGAN MUD WHILE TESTING: 3899: 01/20- 2pm: VIS 52, WT 9.2, WL 6.0, CHL 1600, pH 11.0, LCM trace, OIL 0.1%

DST #5: 3875-3899: BOB 12 MIN; 30-60-60-90, 724' GIP, 116' GO, 78' OCM, SIP: 1213-1217; FP: 24-48, 58-92.

DST #6: 3897-3915: BOB 3 MIN; 30-60-60-90; 46' GO, 126' SOCWM, 861' MW; SIP: 1119-1068, FP: 58-250, 264-494;



black free oil; no odor; trc 3915, incr 20 min;

Shale: dk-gray, black; 3930.
 LS: med grayish-brn; vf-xtal; dense;

Shale: green, gray, maroon
 L-Zone: LS: med-dk brown w/minor green & maroon portions & shale contacts; vf-xtal; dense; scattered orange-red inclusions; no vis por, no show 20 min; LS: lt-brn, lt gray, off-white; mic-xtal; chalky; dull fluor; no show; 40 min;

3950 Shale: mostly green, gray; some maroon; silty, limy in part;

LS: white-lt gray; mic-vf xtal; dense; platey; sli chalky; finely gran in part; trc shells, nacreum; no visible porosity or show; 3990.

Shale: green, maroon, gray, dk gray; chalky & argill lime;

MARMATON 3989 (-1629)
 LS: lt-gray, lt brown; mic-vf xtal; dense to sli chalky; scattered fine orange-red inclusions; no visible porosity; no shows; 4010, 1020.

4000 Shale: gray, green, maroon; with much dense to shaley lime;

LS: lt-gray to brown; vf-xtal; dense to sli chalky; fine orange-red inclusions; no visible porosity; no shows.

LS: as above, much shale;

Shale: green, gray, maroon;

LS: lt-gray, lt brown w/vari-color fine-coarse grains; no visible porosity; no shows; 4050.

4050 LS: lt-gray; mic-vf xtal; shaley; orange-red chert & inclusions; various sh; no shows;

LS & Shale as above;

LS: lt-grayish brn; mic-vf xtal; mostly dense; sli chalky in part; scattered orange-red chert; minor sh; no visible porosity; no shows;

LS: lt-grayish brn; mic-vf xtal; dense; scattered orange-red chert; trc glauc; no visible poros; no shows;

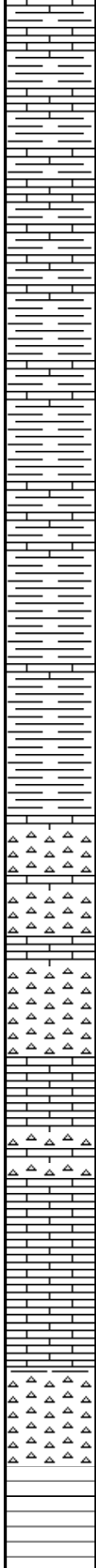
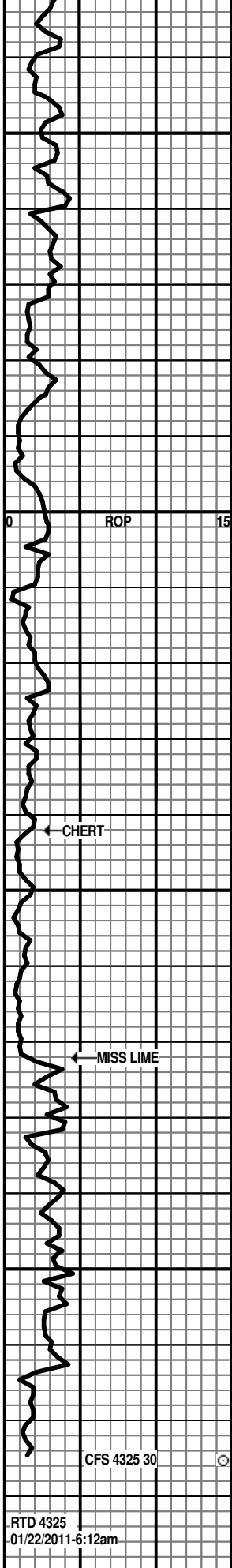
4100 LS: lt-brown; vf-xtal; dense; orange-red chert; minor green sh; no visible porosity; no shows;

LS: lt-med brown; mic-vf-xtal; dense; orange red chert; minor green sh, brown calc sh; trc glauc; no visible porosity; no shows;

CHEROKEE 4119 (-1759)
 Shale: gray, dk gray, green;

LS: grayish brown; vf-xtal; dense; no visible porosity; no shows; with maroon, green shales;

MORGAN MUD: 4029: 01/21-5pm: VIS 69, WT 9.1, WL 6.0, CHL 1800, pH 10.5; LCM 2#, OIL 0.1%.



4150
 LS: grayish-brown; mic-vf xtal; mostly dense; sli granular in part; no visible porosity; no shows;

LS: as above;

Shale: maroon, gray, green; argill lime; 4180.

Shale & Lime as above;

Shale: maroon; marly; soft; sticky; samples 4210 to 4250 wash red;

4200
 Shale: gray, green, maroon, mottled; minor chalky & argill lime;

Shale: gray, green, maroon, mottled; minor vari-color chert, chalky & argill lime;

Shale, chert & lime as above;

MISSISSIPPI 4242 (-1882)
 Chert: mostly white, some yellowish; mostly fresh, sharp, angular; limey; trc glauc; no visible porosity; no shows; starts 4370, floods 4380.

4250
 Chert: as above;

LS: med-dark brown; vf-xtal; dense; v-tight int xtal porosity at best; no shows; starts 4290.

LS: lt-med grayish-brown; vf-xtal; dense; trc crinoids; no visible porosity; no shows;

4300
 LS: med brown, grayish brown; vf-xtal; dense; no visible porosity; no shows;

Chert: white; fresh; sharp; angular; chalky; no visible porosity; no shows;

ROTARY TOTAL DEPTH 4325 (-1965)

PULLED TIGHT, 15 STAND SHORT TRIP & 75 MIN CIRC BEFORE TOH FOR LOGS.
 LOG-TECH LTD 4327



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
250 N WaterSte 300
Wichita Ks 67202 + 1216
ATTN: Shauna Gunzelman

36-10s-24w-Graham
Ruder Unit #1-36
Job Ticket: 46376 **DST#: 1**
Test Start: 2012.01.17 @ 10:49:19

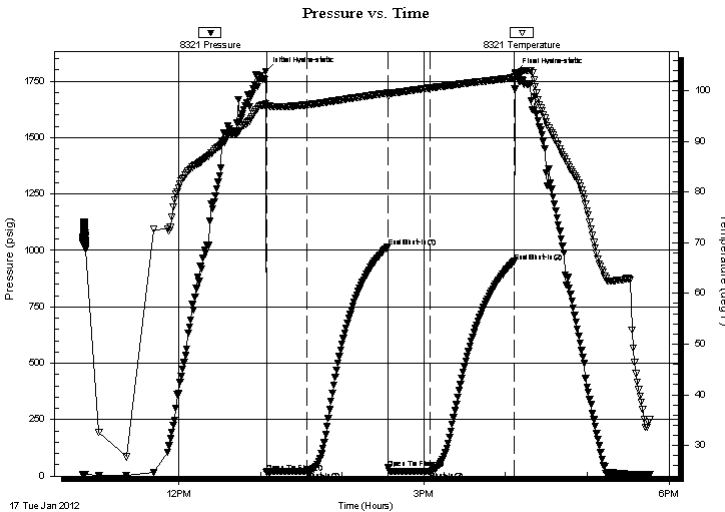
GENERAL INFORMATION:

Formation: **Toronto**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:04:19
Time Test Ended: 17:47:19
Interval: **3669.00 ft (KB) To 3700.00 ft (KB) (TVD)**
Total Depth: 3700.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 2360.00 ft (KB)
2355.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8321 Inside
Press @ Run Depth: 22.54 psig @ 3672.00 ft (KB) Capacity: 1000.00 psig
Start Date: 2012.01.17 End Date: 2012.01.17 Last Calib.: 2012.01.17
Start Time: 10:49:20 End Time: 17:46:19 Time On Btm: 2012.01.17 @ 13:03:49
Time Off Btm: 2012.01.17 @ 16:07:19

TEST COMMENT: IFP-Weak blow built to 1 3/4 in
ISI-weak surface blow back
FFP-Weak surface blow
FSI-Dead no blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1793.94 | 97.36 | Initial Hydro-static |
| 1 | 18.07 | 96.95 | Open To Flow (1) |
| 31 | 20.91 | 97.20 | Shut-In(1) |
| 90 | 1016.71 | 99.50 | End Shut-In(1) |
| 90 | 36.96 | 98.94 | Open To Flow (2) |
| 121 | 22.54 | 100.50 | Shut-In(2) |
| 183 | 951.42 | 102.51 | End Shut-In(2) |
| 184 | 1786.93 | 103.22 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------|--------------|
| 2.00 | Mud with a scum of oil | 0.01 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

36-10s-24w-Graham

250 N WaterSte 300
Wichita Ks 67202 + 1216

Ruder Unit #1-36

Job Ticket: 46376

DST#: 1

ATTN: Shauna Gunzelman

Test Start: 2012.01.17 @ 10:49:19

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: 73.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------------|---------------|
| 2.00 | Mud with a scum of oil | 0.010 |

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

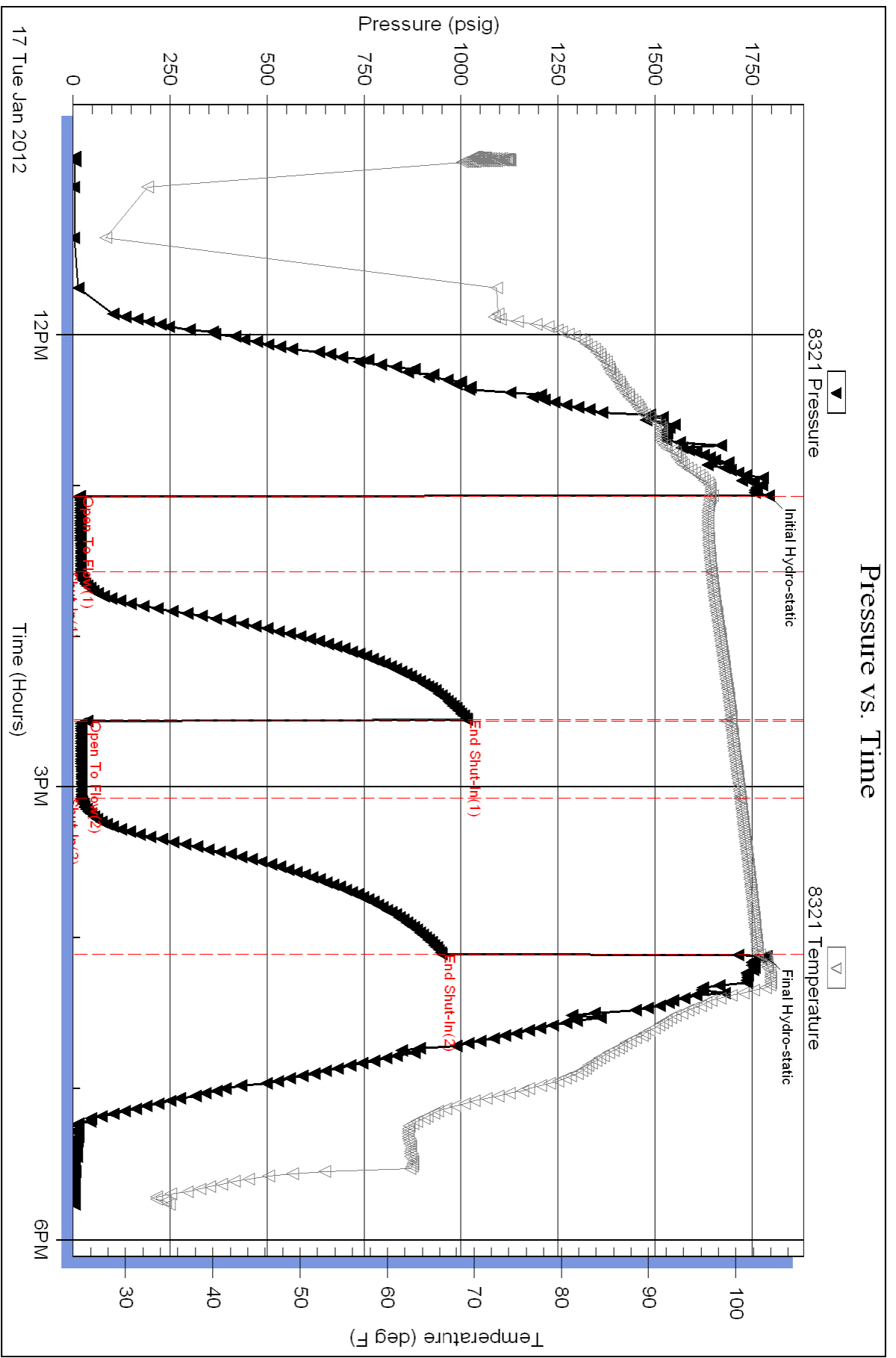
Serial #: 8321

Inside

Murfin Drilling Co Inc

Ruder Unit #1-36

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N WaterSte 300
 Wichita Ks 67202 + 1216
 ATTN: Shauna Gunzelman

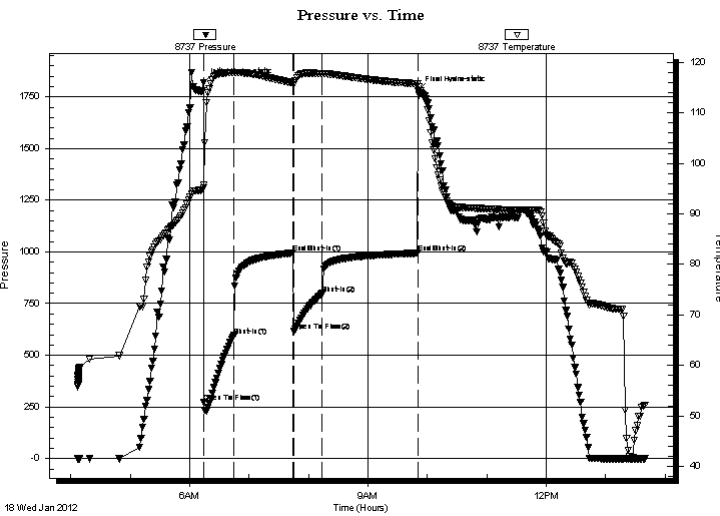
36-10s-24w-Graham
Ruder Unit #1-36
 Job Ticket: 46377 **DST#: 2**
 Test Start: 2012.01.18 @ 04:06:45

GENERAL INFORMATION:

Formation: **Lansing B-D**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:14:15 Tester: Jeff Brown
 Time Test Ended: 13:40:15 Unit No: 44
 Interval: **3727.00 ft (KB) To 3758.00 ft (KB) (TVD)** Reference Elevations: 2360.00 ft (KB)
 Total Depth: 3758.00 ft (KB) (TVD) 2355.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8737 Outside
 Press @ RunDepth: 798.31 psig @ 3730.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.18 End Date: 2012.01.18 Last Calib.: 2012.01.18
 Start Time: 04:06:46 End Time: 13:40:15 Time On Btm: 2012.01.18 @ 06:13:45
 Time Off Btm: 2012.01.18 @ 09:50:45

TEST COMMENT: IFP-Strong blow BOB in 30 Sec
 ISI-Good blow back BOB in 12 min
 FFP-Strong blow BOB in 1 min
 FSI-Good blow back BOB in 4 1/2 min gas to surface



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1820.65 | 95.64 | Initial Hydro-static |
| 1 | 273.77 | 95.21 | Open To Flow (1) |
| 31 | 594.48 | 117.93 | Shut-In(1) |
| 91 | 994.40 | 115.88 | End Shut-In(1) |
| 92 | 614.95 | 115.55 | Open To Flow (2) |
| 120 | 798.31 | 117.73 | Shut-In(2) |
| 217 | 993.07 | 115.77 | End Shut-In(2) |
| 217 | 1778.61 | 115.77 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------|--------------|
| 126.00 | MWCO 20%M20%W60%O | 1.50 |
| 2331.00 | Gassy Oil 20%G80%O | 32.70 |
| 0.00 | 1301-GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

36-10s-24w-Graham

250 N WaterSte 300
Wichita Ks 67202 + 1216

Ruder Unit #1-36

Job Ticket: 46377

DST#: 2

ATTN: Shauna Gunzelman

Test Start: 2012.01.18 @ 04:06:45

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 98.05 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------|---------------|
| 126.00 | MWCO 20%M20%W60%O | 1.503 |
| 2331.00 | Gassy Oil 20%G80%O | 32.698 |
| 0.00 | 1301-GIP | 0.000 |

Total Length: 2457.00 ft Total Volume: 34.201 bbl

Num Fluid Samples: 0

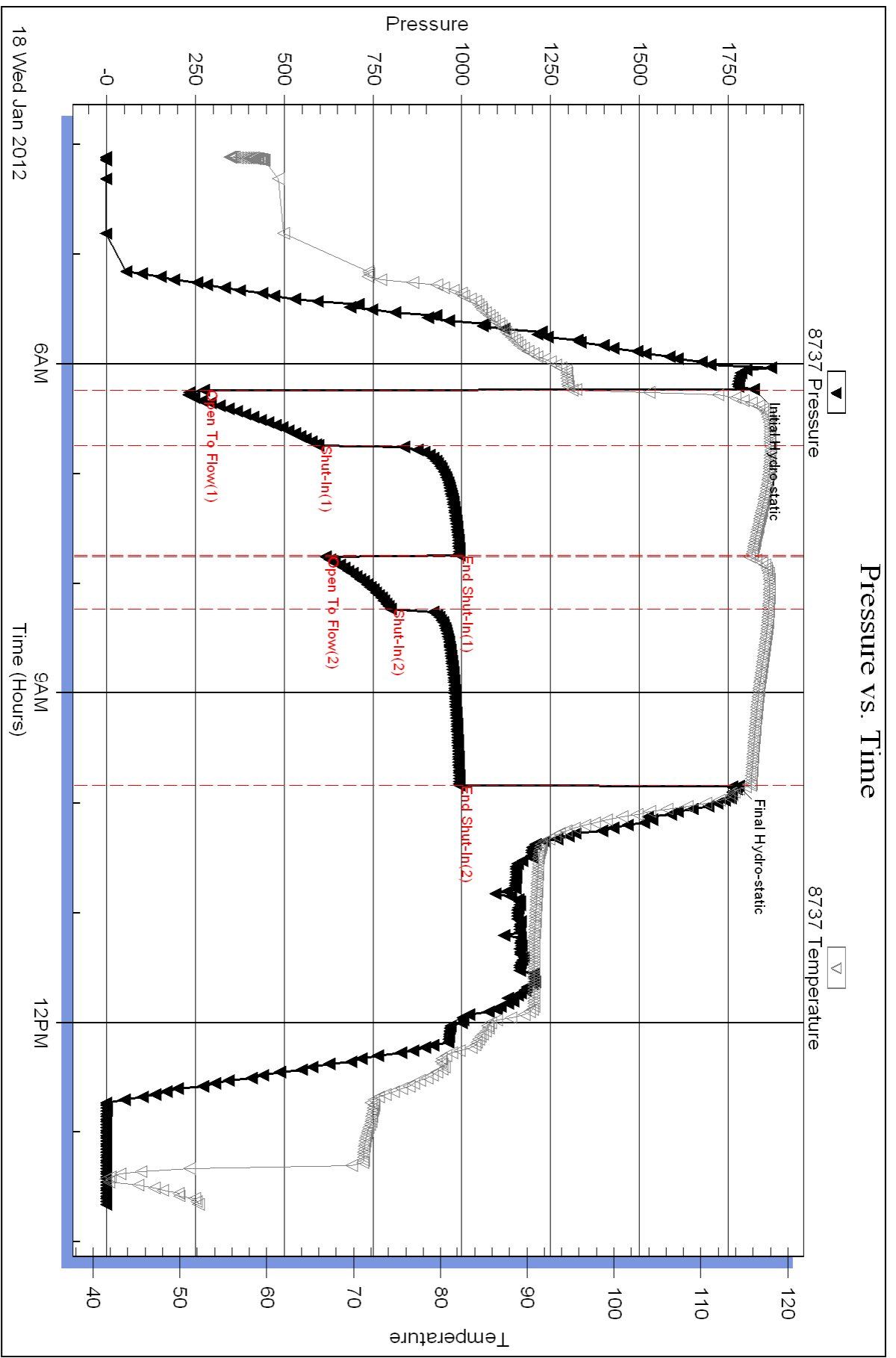
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N WaterSte 300
 Wichita Ks 67202 + 1216
 ATTN: Shauna Gunzelman

36-10s-24w-Graham
Ruder Unit #1-36
 Job Ticket: 46378 **DST#: 3**
 Test Start: 2012.01.18 @ 21:04:43

GENERAL INFORMATION:

Formation: **lansing-E&F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:08:43
 Time Test Ended: 05:57:43
 Interval: **3769.00 ft (KB) To 3794.00 ft (KB) (TVD)**
 Total Depth: 3794.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jeff Brown
 Unit No: 44
 Reference Elevations: 2360.00 ft (KB)
 2355.00 ft (CF)
 KB to GR/CF: 5.00 ft

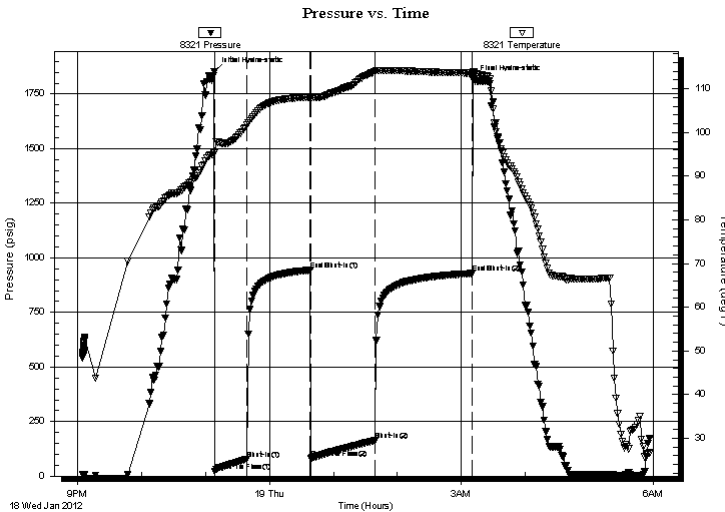
Serial #: 8321

Inside

Press @ Run Depth: 162.19 psig @ 3771.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.18 End Date: 2012.01.19 Last Calib.: 2012.01.19
 Start Time: 21:04:44 End Time: 05:57:43 Time On Btm: 2012.01.18 @ 23:08:13
 Time Off Btm: 2012.01.19 @ 03:11:13

TEST COMMENT: IFP-Good blow BOB in 22 min
 ISI-Dead no Blow back
 FFP-Good blow BOB in 28 1/2 min
 FSI-Dead no blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1854.46 | 95.34 | Initial Hydro-static |
| 1 | 23.05 | 95.43 | Open To Flow (1) |
| 31 | 78.10 | 101.64 | Shut-In(1) |
| 90 | 943.09 | 108.10 | End Shut-In(1) |
| 91 | 81.01 | 107.93 | Open To Flow (2) |
| 151 | 162.19 | 113.97 | Shut-In(2) |
| 242 | 928.78 | 113.59 | End Shut-In(2) |
| 243 | 1815.15 | 113.82 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------------|--------------|
| 199.00 | MW 15%M85%W | 2.53 |
| 63.00 | MW with oil spots 10%M90%W | 0.88 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

36-10s-24w-Graham

250 N WaterSte 300
Wichita Ks 67202 + 1216

Ruder Unit #1-36

Job Ticket: 46378

DST#: 3

ATTN: Shauna Gunzelman

Test Start: 2012.01.18 @ 21:04:43

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 98.28 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-----------------------------|----------------|
| 199.00 | MW 15%M85%W | 2.527 |
| 63.00 | MW w ith oil spots 10%M90%W | 0.884 |

Total Length: 262.00 ft Total Volume: 3.411 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8321

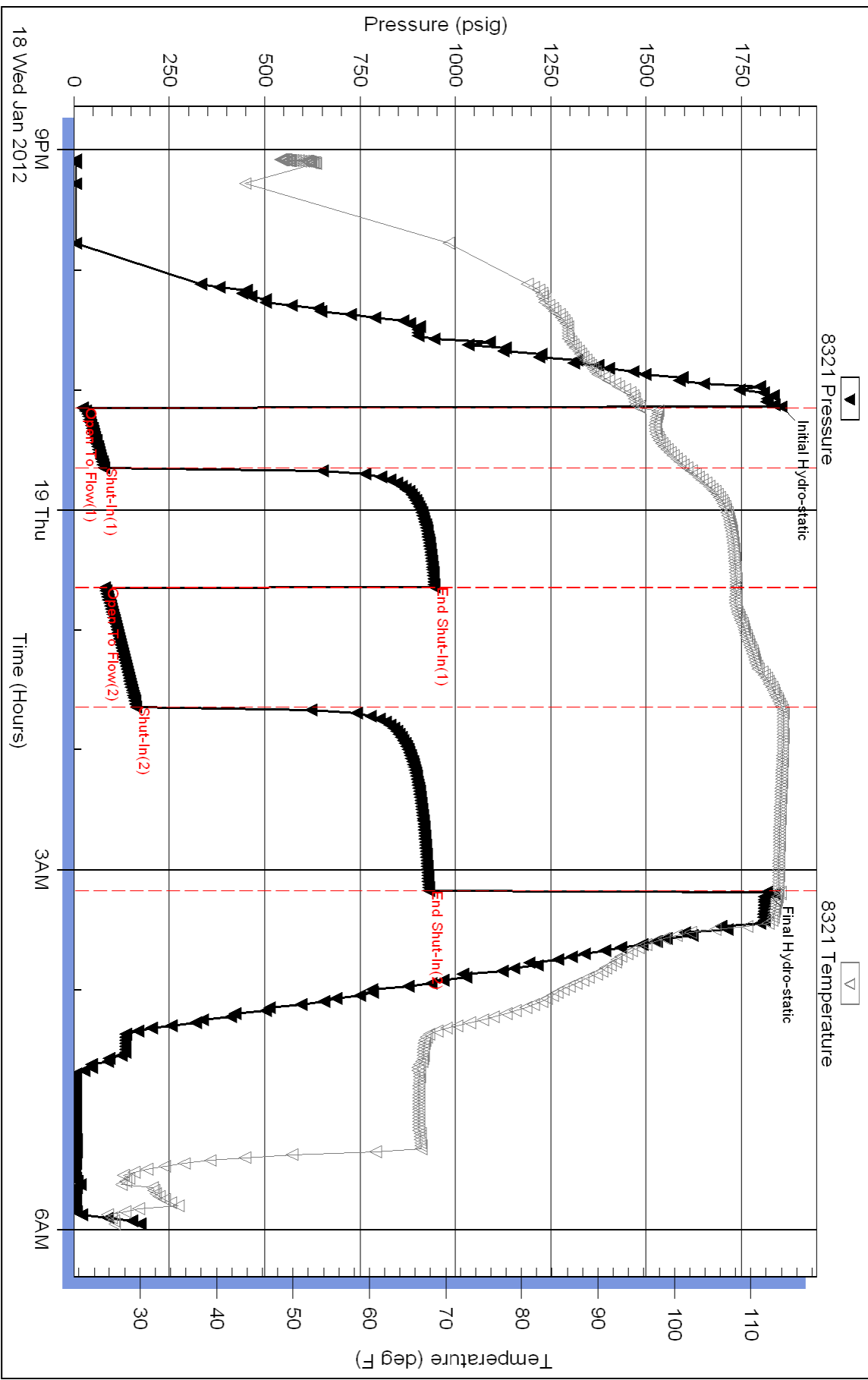
Inside

Murfin Drilling Co Inc

Ruder Unit #1-36

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46378

Printed: 2012.01.19 @ 08:13:16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N WaterSte 300
 Wichita Ks 67202 + 1216
 ATTN: Shauna Gunzelman

36-10s-24w-Graham
Ruder Unit #1-36
 Job Ticket: 46380 **DST#: 4**
 Test Start: 2012.01.19 @ 16:40:24

GENERAL INFORMATION:

Formation: **LKC-H-I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:43:54
 Time Test Ended: 00:58:24
 Interval: **3831.00 ft (KB) To 3881.00 ft (KB) (TVD)**
 Total Depth: 3881.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jeff Brown
 Unit No: 44
 Reference Elevations: 2360.00 ft (KB)
 2355.00 ft (CF)
 KB to GR/CF: 5.00 ft

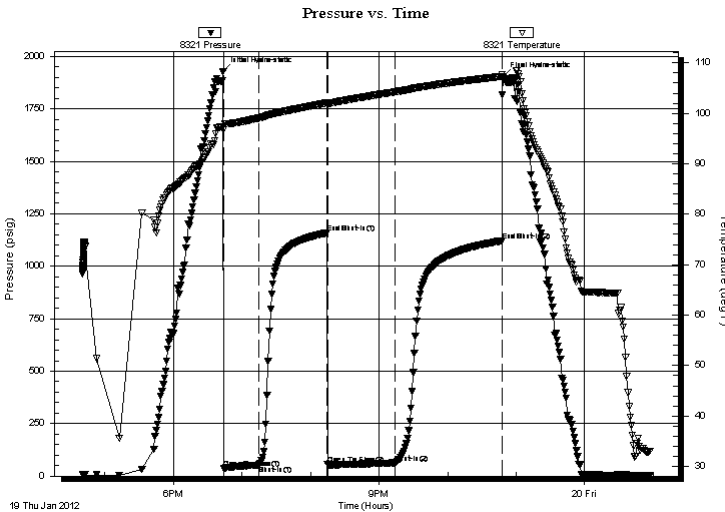
Serial #: 8321

Inside

Press @ Run Depth: 63.00 psig @ 3867.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.19 End Date: 2012.01.20 Last Calib.: 2012.01.20
 Start Time: 16:40:25 End Time: 00:57:24 Time On Btm: 2012.01.19 @ 18:43:24
 Time Off Btm: 2012.01.19 @ 22:48:24

TEST COMMENT: IFP-Weak blow built to 3 1/2 in
 ISI-Weak surface Blow Back
 FFP-Weak blow back 3 in
 FSI-Weak surface blow back built to 3/4 in

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1929.13 | 97.40 | Initial Hydro-static |
| 1 | 37.10 | 96.76 | Open To Flow (1) |
| 31 | 51.36 | 99.05 | Shut-In(1) |
| 91 | 1158.80 | 102.07 | End Shut-In(1) |
| 92 | 54.93 | 101.60 | Open To Flow (2) |
| 151 | 63.00 | 104.25 | Shut-In(2) |
| 244 | 1120.63 | 107.31 | End Shut-In(2) |
| 245 | 1902.02 | 106.87 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------------|--------------|
| 55.00 | MW with oil spots 50%M50%W | 0.51 |
| 5.00 | OCWM 10%O30%W60%M | 0.07 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

36-10s-24w-Graham

250 N WaterSte 300
Wichita Ks 67202 + 1216

Ruder Unit #1-36

Job Ticket: 46380

DST#: 4

ATTN: Shauna Gunzelman

Test Start: 2012.01.19 @ 16:40:24

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: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-----------------------------|----------------|
| 55.00 | MW w ith oil spots 50%M50%W | 0.507 |
| 5.00 | OCWM 10%O30%W60%M | 0.070 |

Total Length: 60.00 ft Total Volume: 0.577 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

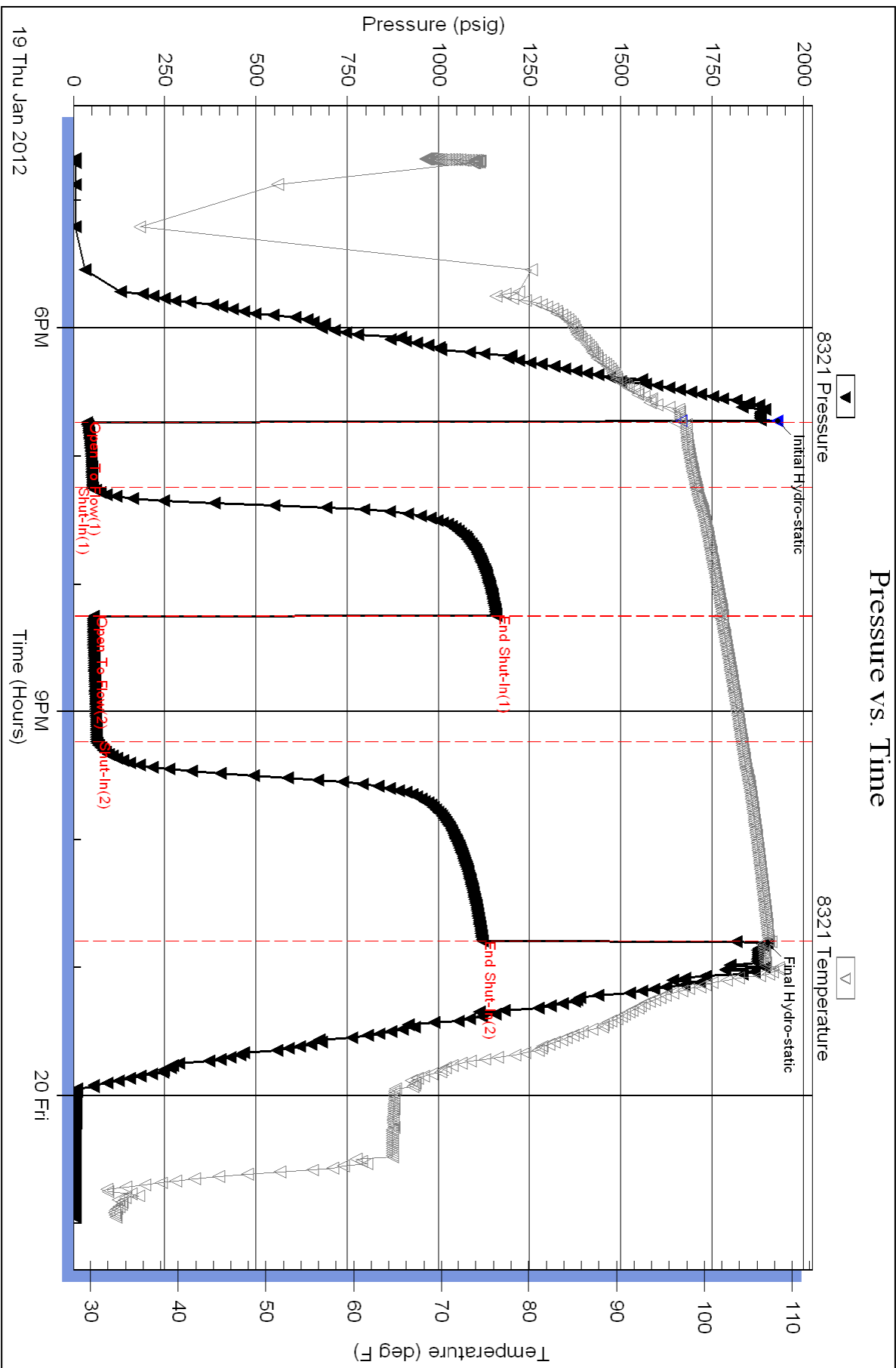
Serial #: 8321

Inside

Murfin Drilling Co Inc

Ruder Unit #1-36

DST Test Number: 4





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N WaterSte 300
 Wichita Ks 67202 + 1216
 ATTN: Shauna Gunzelman

36-10s-24w-Graham
Ruder Unit #1-36
 Job Ticket: 46381 **DST#: 5**
 Test Start: 2012.01.20 @ 08:05:29

GENERAL INFORMATION:

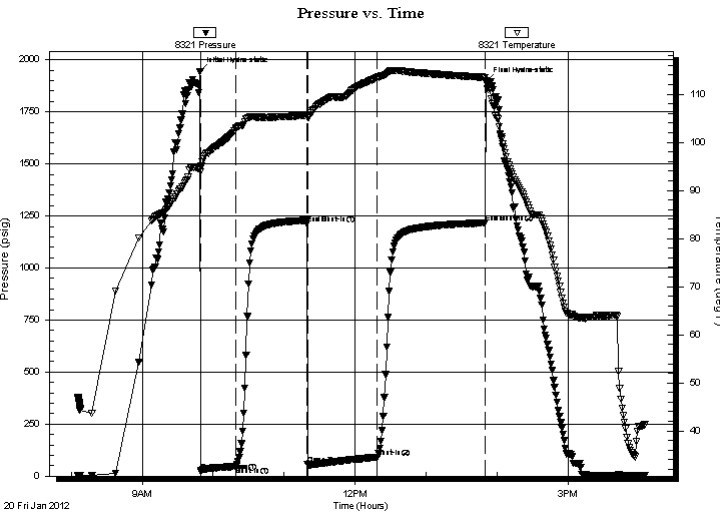
Formation: **LKC-J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:49:29 Tester: Jeff Brown
 Time Test Ended: 16:05:59 Unit No: 44
 Interval: **3875.00 ft (KB) To 3899.00 ft (KB) (TVD)** Reference Elevations: 2360.00 ft (KB)
 Total Depth: 3899.00 ft (KB) (TVD) 2355.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 92.24 psig @ 3878.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.20 End Date: 2012.01.20 Last Calib.: 2012.01.20
 Start Time: 08:05:30 End Time: 16:04:59 Time On Btm: 2012.01.20 @ 09:48:59
 Time Off Btm: 2012.01.20 @ 13:50:59

TEST COMMENT: IFP-Good blow BOB in 12 1/2 min
 ISI-Fair blow back built to 6 in
 FFP-Good blow BOB in 30 min
 FSI-Weak surface blow back built to 1 1/2 in died out in 45 min



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1945.14 | 94.55 | Initial Hydro-static |
| 1 | 24.48 | 93.92 | Open To Flow (1) |
| 31 | 47.51 | 102.95 | Shut-In(1) |
| 91 | 1213.08 | 105.58 | End Shut-In(1) |
| 91 | 58.28 | 105.17 | Open To Flow (2) |
| 150 | 92.24 | 113.49 | Shut-In(2) |
| 241 | 1217.02 | 113.50 | End Shut-In(2) |
| 242 | 1897.72 | 112.82 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------|--------------|
| 78.00 | HOCGM 20%G35%O45%M | 0.83 |
| 116.00 | Gassy Oil 25%G75%O | 1.63 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N WaterSte 300
 Wichita Ks 67202 + 1216
 ATTN: Shauna Gunzelman

36-10s-24w-Graham
Ruder Unit #1-36
 Job Ticket: 46381 **DST#: 5**
 Test Start: 2012.01.20 @ 08:05:29

GENERAL INFORMATION:

Formation: **LKC-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:49:29
 Time Test Ended: 16:05:59
Interval: 3875.00 ft (KB) To 3899.00 ft (KB) (TVD)
 Total Depth: 3899.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jeff Brown
 Unit No: 44
 Reference Elevations: 2360.00 ft (KB)
 2355.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8737 Outside
 Press@RunDepth: psig @ 3878.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.20 End Date: 2012.01.20 Last Calib.: 2012.01.20
 Start Time: 08:05:57 End Time: 16:05:26 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP-Good blow BOB in 12 1/2 min
 ISI-Fair blow back built to 6 in
 FFP-Good blow BOB in 30 min
 FSI-Weak surface blow back built to 1 1/2 in died out in 45 min



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|------------|
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| Recovery | | |
|-------------|--------------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 78.00 | HOCGM 20%G35%O45%M | 0.83 |
| 116.00 | Gassy Oil 25%G75%O | 1.63 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

36-10s-24w-Graham

250 N WaterSte 300
Wichita Ks 67202 + 1216

Ruder Unit #1-36

Job Ticket: 46381

DST#: 5

ATTN: Shauna Gunzelman

Test Start: 2012.01.20 @ 08:05:29

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------|---------------|
| 78.00 | HOCGM 20%G35%O45%M | 0.830 |
| 116.00 | Gassy Oil 25%G75%O | 1.627 |

Total Length: 194.00 ft

Total Volume: 2.457 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

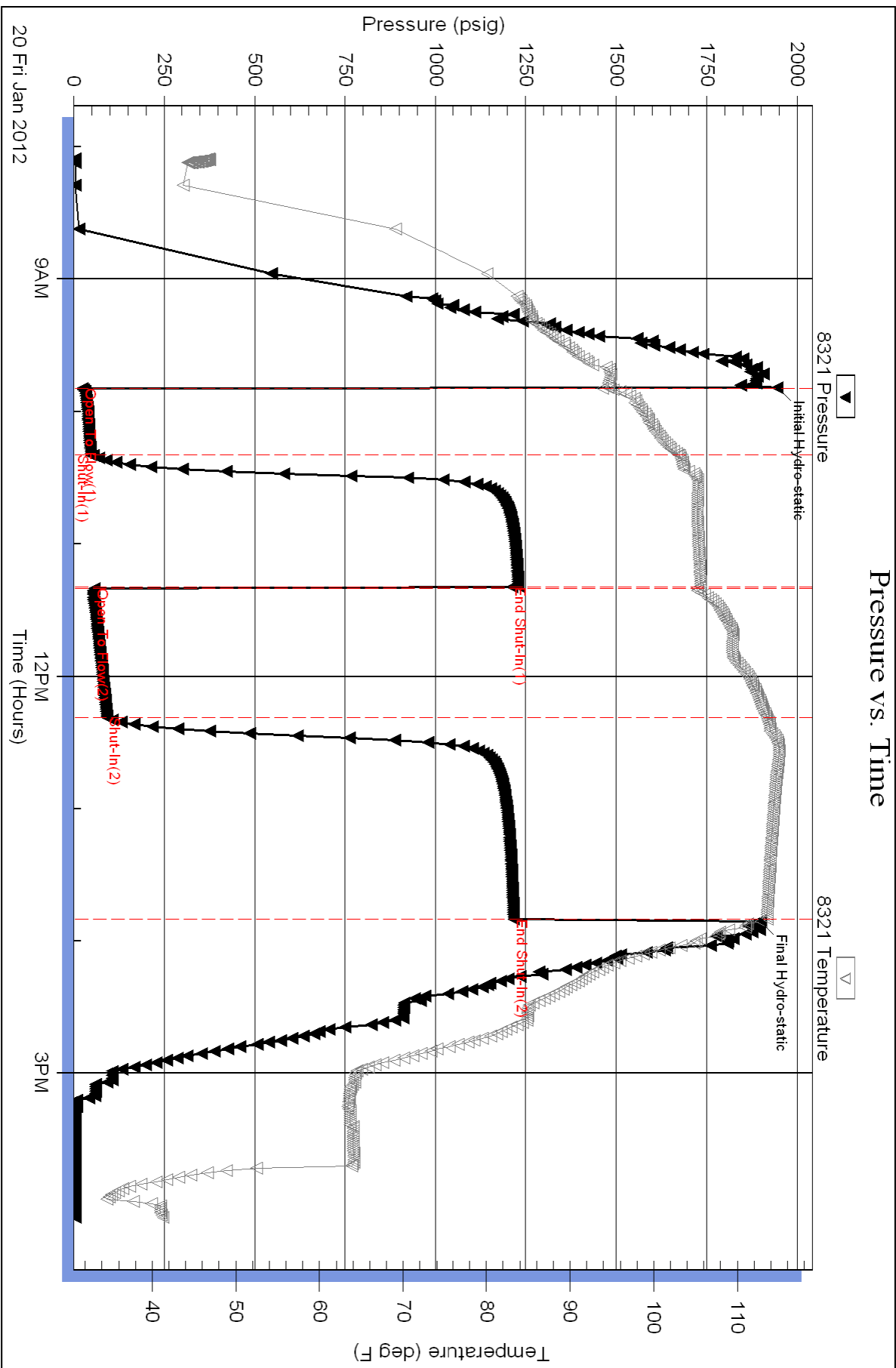
Serial #: 8321

Inside

Murfin Drilling Co Inc

Ruder Unit #1-36

DST Test Number: 5

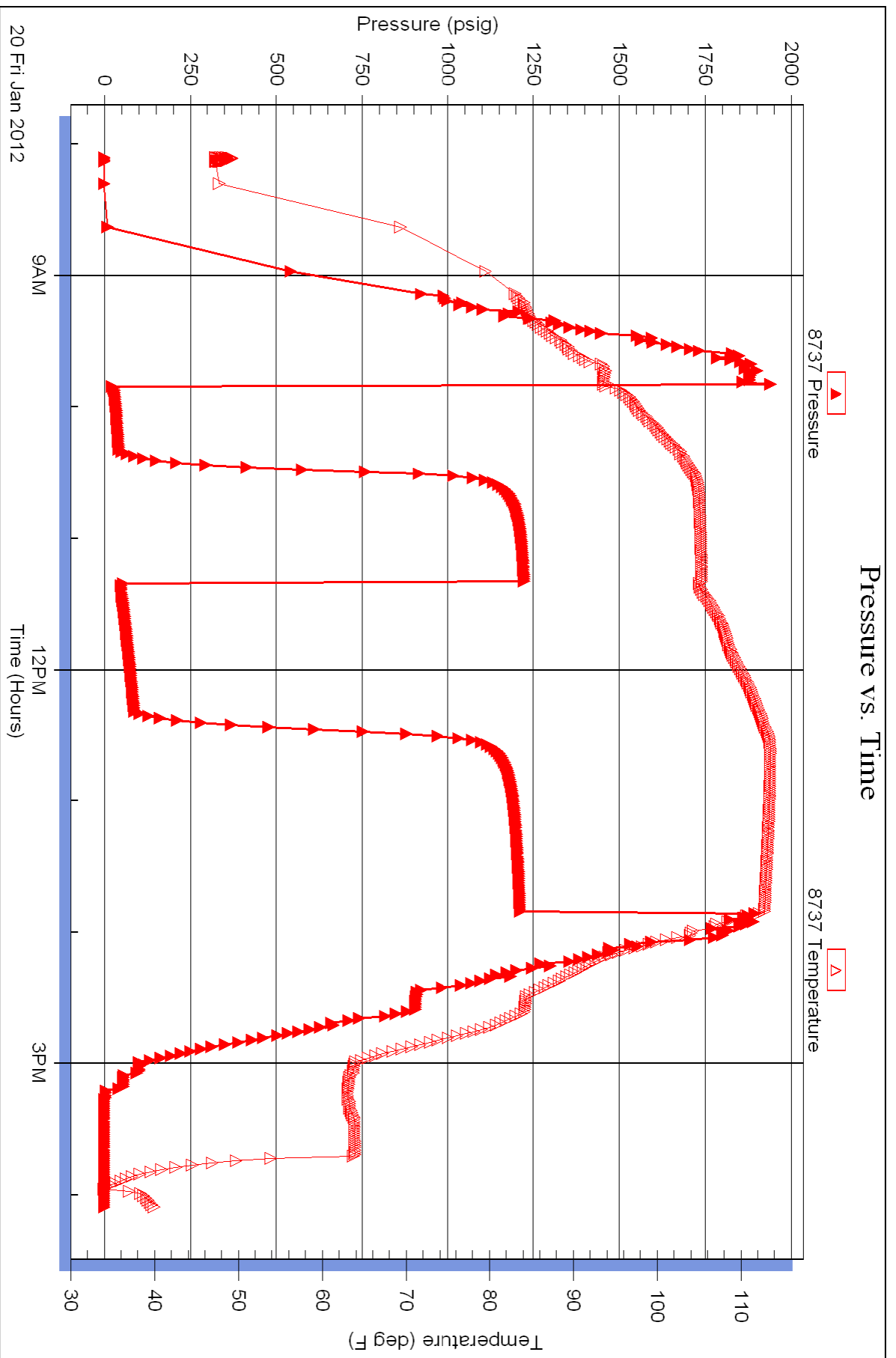


Serial #: 8737

Outside Murfin Drilling Co Inc

Ruder Unit #1-36

DST Test Number: 5





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N WaterSte 300
 Wichita Ks 67202 + 1216
 ATTN: Shauna Gunzelman

36-10s-24w-Graham
Ruder Unit #1-36
 Job Ticket: 46382 **DST#: 6**
 Test Start: 2012.01.20 @ 22:03:40

GENERAL INFORMATION:

Formation: **LKC -K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 00:15:10
 Tester: Jeff Brown
 Time Test Ended: 08:15:10
 Unit No: 44
 Interval: **3897.00 ft (KB) To 3915.00 ft (KB) (TVD)**
 Reference Elevations: 2360.00 ft (KB)
 Total Depth: 3915.00 ft (KB) (TVD)
 2355.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 5.00 ft

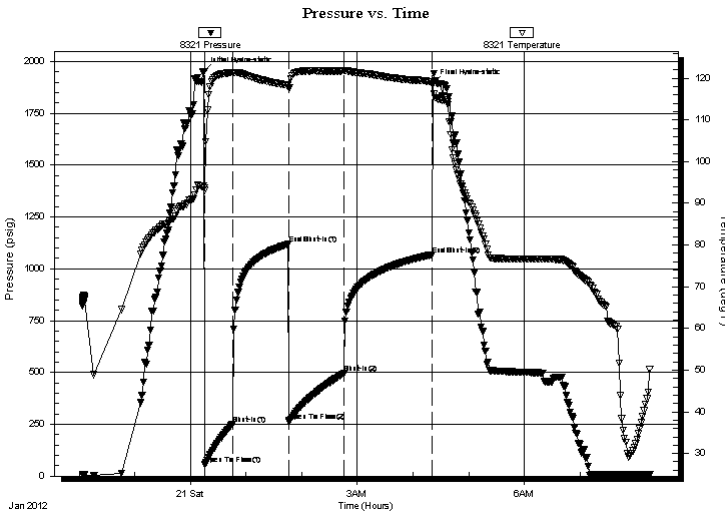
Serial #: 8321

Inside

Press @ RunDepth: 494.36 psig @ 3899.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.20 End Date: 2012.01.21 Last Calib.: 2012.01.21
 Start Time: 22:03:41 End Time: 08:15:10 Time On Btm: 2012.01.21 @ 00:14:40
 Time Off Btm: 2012.01.21 @ 04:21:10

TEST COMMENT: IFP-Strong blow BOB in 3 min
 ISI-Fair blow back built to 4 in
 FFP-Strong blow BOB in 4 1/2 in
 FSI-Fair blow back built to 4 in

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1952.43 | 93.71 | Initial Hydro-static |
| 1 | 58.27 | 93.13 | Open To Flow (1) |
| 31 | 249.87 | 121.35 | Shut-In(1) |
| 91 | 1118.91 | 118.29 | End Shut-In(1) |
| 92 | 264.28 | 117.83 | Open To Flow (2) |
| 151 | 494.36 | 121.80 | Shut-In(2) |
| 246 | 1067.71 | 119.09 | End Shut-In(2) |
| 247 | 1892.54 | 118.43 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 861.00 | MW with a scum of oil 10%M90%W | 11.81 |
| 126.00 | SOCWM 5%O30%W65%M | 1.77 |
| 46.00 | Gasst Oil 5%G95%O | 0.65 |
| 0.00 | 189-GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

36-10s-24w-Graham

250 N WaterSte 300
Wichita Ks 67202 + 1216

Ruder Unit #1-36

Job Ticket: 46382

DST#: 6

ATTN: Shauna Gunzelman

Test Start: 2012.01.20 @ 22:03:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|---------------------------------|----------------|
| 861.00 | MW w ith a scum of oil 10%M90%W | 11.813 |
| 126.00 | SOCWM 5%O30%W65%M | 1.767 |
| 46.00 | Gasst Oil 5%G95%O | 0.645 |
| 0.00 | 189-GIP | 0.000 |

Total Length: 1033.00 ft

Total Volume: 14.225 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8321

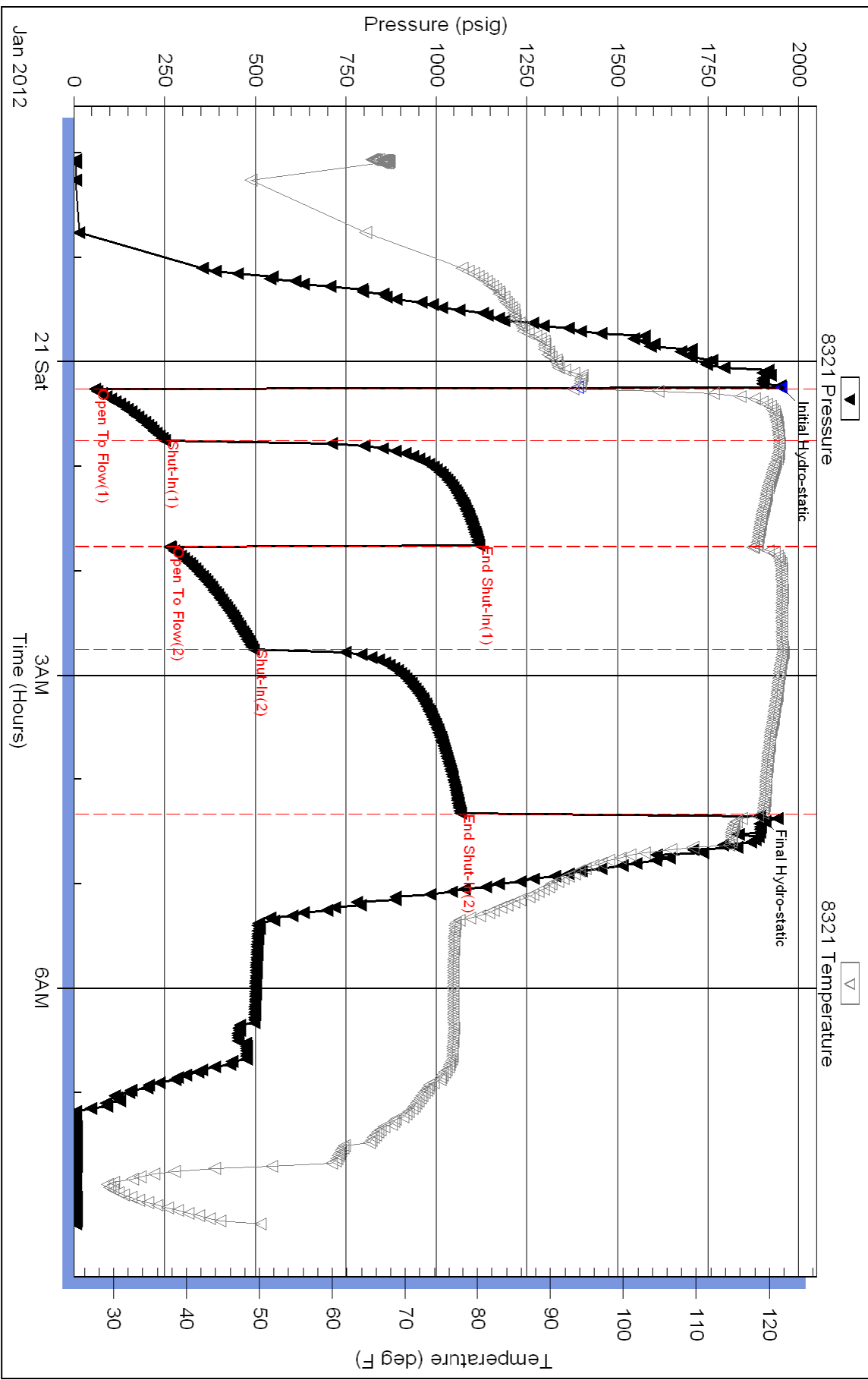
Inside

Murfin Drilling Co Inc

Ruder Unit #1-36

DST Test Number: 6

Pressure vs. Time





QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruratel.net

act. sig
 Date: 1/18/2011
 Invoice # 608

P.O.#:
 Due Date: 2/17/2011
 Division: Russell

PROD COPY

Invoice

*operator pay
 mpc
 /
 Bm*

USED FOR _____
 APPROVED *[Signature]*

Contact:
 Murfin Drilling Company
Address/Job Location:
 Murfin Drilling Company
 P.O. Box 288
 Russell Ks 67665

Reference:
 RUDER UNIT 1-36

Description of Work:
 SURFACE JOB

| Services / Items Included: | Quantity | Price | Taxable | Item | Quantity | Price | Taxable |
|--|----------|-------------|---------|------|----------|-------|---------|
| Labor | | \$ 991.39 | No | | | | |
| Common-Class A | 150 | \$ 1,986.86 | Yes | | | | |
| Pump Truck Mileage-Job to Nearest Camp | 42 | \$ 455.09 | No | | | | |
| Bulk Truck Matl-Material Service Charge | 158 | \$ 343.09 | No | | | | |
| Bulk Truck Mileage-Job to Nearest Bulk Plant | 42 | \$ 266.30 | No | | | | |
| Calcium Chloride | 5 | \$ 204.44 | Yes | | | | |
| Premium Gel (Bentonite) | 3 | \$ 53.03 | Yes | | | | |

Invoice Terms:
 Net 30

| Account | Unit Rig | W L | No. | Amount | Description | SubTotal: | \$ | |
|---------|----------|-----|-----|--------|---|---------------------------------|----|-----------------|
| | | | | | | | \$ | 4,300.19 |
| | | | | | Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: | | \$ | (645.03) |
| | | | | | | SubTotal for Taxable Items: | \$ | 1,907.67 |
| | | | | | | SubTotal for Non-Taxable Items: | \$ | 1,747.49 |
| | | | | | | Total: | \$ | 3,655.16 |
| | | | | | 7.55% - Graham County Sales Tax | Tax: | \$ | 144.03 |
| | | | | | | Amount Due: | \$ | 3,799.19 |
| | | | | | | Applied Payments: | | |
| | | | | | | Balance Due: | \$ | 3,799.19 |

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

[Handwritten signatures and initials]

785 324 1041

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 608

| | | | | | | | | | | | | | | | |
|-------|------------|----------|------|------|----------|-------|----|--------|--------|-------|----|-------------|--|--------|--------|
| Date | 1-13-12 | Sec. | 36 | Twp. | 10 | Range | 24 | County | Graham | State | KS | On Location | | Finish | 8:15pm |
| Lease | Rudek Unit | Well No. | 1-36 | | Location | | | | | | | | | | |

| | | | |
|---------------------|------------|--|--|
| Contractor | Martin #16 | Owner | To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |
| Type Job | Surface | Hole Size | 12 1/4 |
| Csg. | 8 5/8 | T.D. | 220 |
| Tbg. Size | | Depth | 219 |
| Tool | | Charge To | Martin Drilling |
| Cement Left in Csg. | 15' | Depth | |
| Meas Line | | Street | |
| | | City | |
| | | State | |
| | | The above was done to satisfaction and supervision of owner agent or contractor. | |
| | | Shoe Joint | |
| | | Displace | 133 C |
| | | Cement Amount Ordered | 150 com 3% Cu 2% Gel |

EQUIPMENT

| | | | | | |
|---------|--------|--------|-----|----------|-----|
| Pumptrk | No. 5 | Cement | 100 | Common | 150 |
| | | Helper | 100 | | |
| Bulktrk | No. 13 | Driver | 100 | Poz. Mix | |
| | | Driver | 100 | Gel. | 3 |
| | | Driver | 100 | Calcium | 5 |

JOB SERVICES & REMARKS

| | |
|-----------------------------------|-------------------------|
| Remarks: | Hulls |
| Rat Hole | Salt |
| Mouse Hole | Flowseal |
| Centralizers | Kol-Seal |
| Baskets | Mud CLR 48 |
| D/V or Port Collar | CFL-117 or CD110 CAF 38 |
| 8 5/8 on bottom. Est. Circulation | Sand |
| Mix 150 SK & Displace. | Handling 158 |
| Cement Circulated! | Mileage |

FLOAT EQUIPMENT

| | |
|----------------|-------------|
| Guide Shoe | |
| Centralizer | |
| Baskets | 8 5/8 Surge |
| AFU Inserts | |
| Float Shoe | |
| Latch Down | |
| Pumptrk Charge | Surface |
| Mileage | 42 |

| | | |
|----------------|--------------|--|
| X Signature | Tax | |
| | Discount | |
| | Total Charge | |



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



Invoice

| | |
|----------|-----------|
| DATE | INVOICE # |
| 2/1/2012 | 21222 |

| |
|---|
| BILL TO |
| Murfin Drilling Co Inc P. O. Box 130 Hill City, KS 67642-0130 |

- Acidizing
- Cement
- Tool Rental

USED FOR IC 104
 APPROVED [Signature]

| TERMS | Well No. | Lease | County | Contractor | Well Type | Well Category | Job Purpose | Operator |
|--------|----------|-----------------------|--------|---------------|-----------|---------------|-------------|----------|
| Net 30 | #1-36 | Ruder UNIT | Trego | Company Tools | Oil | Development | Port Collar | Nick |

| PRICE REF. | DESCRIPTION | QTY | UM | UNIT PRICE | AMOUNT |
|------------|--|-----|-----------|------------|-----------|
| 575D | Mileage - 1 Way | 50 | Miles | 6.00 | 300.00 |
| 576D-D | Pump Charge - Port Collar - 2022 Feet | 1 | Job | 1,250.00 | 1,250.00 |
| 290 | D-Air | 2 | Gallon(s) | 35.00 | 70.00T |
| 279 | Bentonite Gel | 6 | Sack(s) | 25.00 | 150.00T |
| 330 | Swift Multi-Density Standard (MIDCON II) | 165 | Sacks | 16.50 | 2,722.50T |
| 276 | Flocele | 50 | Lb(s) | 2.00 | 100.00T |
| 581D | Service Charge Cement | 250 | Sacks | 2.00 | 500.00 |
| 583D | Drayage | 611 | Ton Miles | 1.00 | 611.00 |
| | Subtotal | | | | 5,703.50 |
| | Sales Tax Trego County | | | 6.80% | 206.89 |

We Appreciate Your Business!

Total \$5,910.39



Services, Inc.

CHARGE TO: Martin Drly Co. Inc.
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET No 21222

PAGE 1 OF 1

SERVICE LOCATIONS: 1. Hays Ks. WEL/PROJECT NO. 1-36 LEASE Rader COUNTY/PARISH Trigo STATE Ks DATE 2-1-12 OWNER Same
 2. Ness City, Ks. CONTRACTOR Co Tools RIG NAME/NO. _____ ORDER NO. _____
 3. WEL TYPE SALES WEL CATEGORY Development JOB PURPOSE Part Collar WEL PERMIT NO. _____
 4. REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | MILEAGE | QTY. | UM | QTY. | UM | UNIT PRICE | AMOUNT |
|-----------------|----------------------------------|------------|------|----|---------------------------|---------|------|------|------|----|------------|---------|
| | | LOC | ACCT | DF | | | | | | | | |
| 575 | | 3 | | | #111 | 50 | Mi | | | | 6.00 | 300.00 |
| 576D | | 3 | | | Pump Charge (Part Collar) | 1 | sq | 2022 | | | 1250.00 | 1250.00 |
| 290 | | 3 | | | D-Air | 2 | gal | | | | 35.00 | 70.00 |
| 279 | | 3 | | | Bentonite gel | 6 | shs | | | | 25.00 | 150.00 |
| 330 | | 2 | | | 5M D Cement | 165 | shs | | | | 16.50 | 2722.50 |
| 276 | | 2 | | | Floccle | 50 | lb | | | | 2.00 | 100.00 |
| 581 | | 2 | | | Cement Service Charge | 250 | shs | | | | 2.00 | 500.00 |
| 583 | | 2 | | | Drayage | 611 | YM | | | | 1.00 | 611.00 |

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
 DATE SIGNED 2-1-12 TIME SIGNED 1430
 A.M. P.M.

REMIT PAYMENT TO:

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

SURVEY
 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?
 ARE YOU SATISFIED WITH OUR SERVICE?
 CUSTOMER DID NOT WISH TO RESPOND

| | |
|------------|---------|
| PAGE TOTAL | 5703.50 |
| TOTAL | 5910.39 |

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2-1-12 PAGE NO. 7

CUSTOMER Martin Drilling Co Inc WELL NO. # 1-36 LEASE Reader JOB TYPE Port Collar TICKET NO. 21222

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 1100 | | | | | | | on loc set up Trk |
| | | | | | | | | 2 3/8" x 5 1/2" P.C. 2022' |
| | 1330 | | | | | | 1000 | Test Csg |
| | 1335 | 3.5 | 3 | | | 250 | | Open P.C. Take inj. rate & check for blow |
| | 1343 | 4 | 0 | | | 300 | | Start gel 6sks |
| | | 4 | 18/0 | | | 300 | | Start cement 6sks 165sks SMD |
| | | 4 | 80 | | | 500 | | circ Cement/raise weight |
| | | 4 | 85/0 | | | 500 | | End Cement / Start Displacement |
| | 1410 | 4 | 7 | | | 550 | | Cement Displaced |
| | | | | | | | | Close Tool |
| | | | | | | | 1000 | Test Csg |
| | | | | | | | | Run 5jts |
| | 1420 | 3 | 0 | | | | 150 | Reverse out |
| | 1425 | | 15 | | | | | Hole Clean |
| | | | | | | | | <i>Nick Kowha</i> <i>John Gust</i> 165sks SMD circ 15sks to pit |
| | | | | | | | | Thank you |
| | | | | | | | | Nick, Josh F, & Doug |



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

Acety -

cc: W F
cc: p l
Scan his

Invoice

| | |
|-----------|-----------|
| DATE | INVOICE # |
| 1/22/2012 | 21626 |

| |
|---|
| BILL TO |
| Murfin Drilling Co Inc P. O. Box 130 Hill City, KS 67642-0130 |
| USED FOR |
| APPROVED |

- Acidizing
- Cement
- Tool Rental

IC 103
J.J. K

| TERMS | Well No. | Lease | County | Contractor | Well Type | Well Category | Job Purpose | Operator |
|------------|---|-------------------|--------|-----------------------|-----------|---------------|-------------------|-----------|
| Net 30 | #1-36 | Ruder <u>Writ</u> | Graham | Murfin Drilling Ri... | Oil | Development | 5-1/2" LongString | Jason |
| PRICE REF. | DESCRIPTION | | | | QTY | UM | UNIT PRICE | AMOUNT |
| 575D | Mileage - 1 Way | | | | 55 | Miles | 6.00 | 330.00 |
| 578D-L | Pump Charge - Long String - 4317 Feet | | | | 1 | Job | 1,500.00 | 1,500.00 |
| 402-5 | 5 1/2" Centralizer | | | | 10 | Each | 70.00 | 700.00T |
| 403-5 | 5 1/2" Cement Basket | | | | 1 | Each | 250.00 | 250.00T |
| 404-5 | 5 1/2" Port Collar - 2022 Feet | | | | 1 | Each | 2,400.00 | 2,400.00T |
| 406-5 | 5 1/2" Latch Down Plug & Baffle | | | | 1 | Each | 250.00 | 250.00T |
| 407-5 | 5 1/2" Insert Float Shoe With Auto Fill | | | | 1 | Each | 350.00 | 350.00T |
| 413-5 | 5 1/2" Roto Wall Scratcher | | | | 20 | Each | 40.00 | 800.00T |
| 419-5 | 5 1/2" Rotating Head Rental | | | | 1 | Each | 200.00 | 200.00T |
| 281 | Mud Flush | | | | 500 | Gallon(s) | 1.25 | 625.00T |
| 221 | Liquid KCL (Clayfix) | | | | 4 | Gallon(s) | 25.00 | 100.00T |
| 276 | Flocele | | | | 50 | Lb(s) | 2.00 | 100.00T |
| 283 | Salt | | | | 1,000 | Lb(s) | 0.20 | 200.00T |
| 284 | Calseal | | | | 9 | Sack(s) | 35.00 | 315.00T |
| 285 | CFR-1 | | | | 150 | Lb(s) | 4.00 | 600.00T |
| 290 | D-Air | | | | 2 | Gallon(s) | 35.00 | 70.00T |
| 325 | Standard Cement | | | | 200 | Sacks | 13.50 | 2,700.00T |
| 581D | Service Charge Cement | | | | 200 | Sacks | 2.00 | 400.00 |
| 583D | Drayage | | | | 574.75 | Ton Miles | 1.00 | 574.75 |
| | Subtotal | | | | | | | 12,464.75 |
| | Sales Tax Graham County | | | | | | 7.55% | 729.33 |

Thank You For Your Business In 2011!
We Look Forward To Serving You In 2012!

Total \$13,194.08



Services, Inc.

CHARGE TO: MURKINDRILLING
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET No 21626

PAGE 1 OF 2

SERVICE LOCATIONS: 1. NESS CITY, KS. WELLS/PROJECT NO. LEASE RUDER 1-36 COUNTY GRANTHAM STATE KS CITY WAKEENEY, KS DATE 22 JAN 12 OWNER

2. TICKET TYPE: SERVICE CONTRACTOR MURKINDRILLING RIG NAME NO. 16 SHIPPED DELIVERED TO ORDER NO.

3. WELL TYPE: DIL WELL CATEGORY: DEVELOPMENT JOB PURPOSE: STAINLESS STEEL STRINGS WELLS PERMIT NO. WELL LOCATION: LONGSTAY/E/N AUTO

4. REFERRAL LOCATION: INVOICE INSTRUCTIONS

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | MILEAGE # | QTY. | UM | QTY. | UM | UNIT PRICE | AMOUNT |
|-----------------|----------------------------------|------------|------|----|--------------------------------|-----------|------|------|------|----|------------|--------|
| | | LOC | ACCT | DF | | | | | | | | |
| 575 | | | | | MILEAGE # 11D | 55 | mil | | | | 6.00 | 330.00 |
| 578 | | | | | PUMP CHANGE | 1 | JOB | 4377 | FT | | 15.00 | 15.00 |
| 4D2 | | | | | CENTRALIZERS | 1 | EA | | | | 7.00 | 7.00 |
| 4D3 | | | | | CEMENT BASKETS | 1 | EA | | | | 2.50 | 2.50 |
| 4D4 | | | | | PORT COLLAR | 1 | EA | 2000 | FT | | 24.00 | 24.00 |
| 4D6 | | | | | KATCH DRAIN PLUG & BAREZE | 1 | EA | | | | 2.50 | 2.50 |
| 4D7 | | | | | INSERT FLOAT SHADE w/AUTO FILL | 1 | EA | | | | 3.50 | 3.50 |
| 413 | | | | | RTO DUAL SCRATCHERS | 2 | EA | 100 | FT. | | 4.00 | 8.00 |
| 419 | | | | | ROTATING HEAD RENTAL | 1 | JOB | | | | 2.00 | 2.00 |
| 281 | | | | | MUD FLUSH | 500 | gal | | | | 1.25 | 625.00 |
| 221 | | | | | LIMUD KIL | 4 | gal | | | | 25.00 | 100.00 |

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 DATE SIGNED: 23 JAN 12 TIME SIGNED: 0450 P.M.

W Jack King

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 | AMOUNT |
|--|------------------------------|-----------------------------|-----------|------------|-----------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | | | | 1 | 7.00 |
| WE UNDERSTOOD AND MET YOUR NEEDS? | | | | 2 | 49.59 |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | | Subtotal | 124.64 |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | | Graham TAX | 7.29 |
| ARE YOU SATISFIED WITH OUR SERVICE? | <input type="checkbox"/> YES | <input type="checkbox"/> NO | | TOTAL | 13,194.08 |

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

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

Thank You!



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

TICKET CONTINUATION

TICKET No. 21626

CUSTOMER MURFIN DRILLING

WELL RUDER 1-36

DATE 2/27/12 PAGE 2 OF 2

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | TIME | DESCRIPTION | WELL | | | | UNIT PRICE | AMOUNT | |
|--------------------|----------------------------------|------------|------|----|------|-----------------|--------|-----|------|----|------------|---------|---------|
| | | LOC | ACCT | DF | | | QTY. | UM | QTY. | UM | | | |
| 276 | | | | | | FLOCELE | 50 | lbs | | | | 2.00 | 100.00 |
| 283 | | | | | | SALT | 1000 | lbs | | | | 2.00 | 2000.00 |
| 284 | | | | | | CAUSEAL | 9 | LSK | | | | 35.00 | 315.00 |
| 285 | | | | | | QFR-1 | 150 | lbs | | | | 4.00 | 600.00 |
| 290 | | | | | | D-AIR | 2 | gal | | | | 35.00 | 70.00 |
| 325 | | | | | | STANDARD CEMENT | 200 | SK | | | | 13.50 | 2700.00 |
| 581 | | | | | | MILEAGE CHARGE | | | | | | 2.00 | 400.00 |
| 583 | | | | | | TOTAL WEIGHT | 28900 | | | | | 1.00 | 574.75 |
| | | | | | | LOADED MILES | 55 | | | | | | |
| | | | | | | TON MILES | 574.75 | | | | | | |
| CONTINUATION TOTAL | | | | | | | | | | | | 4959.75 | |

