

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

INSTRUCTIONS: Show important tops 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 <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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Kroutwurst #20
Location: 380' FSL & 675' FWL, Sec. 34-T16S-R11W, Barton County, KS.
Licence Number: 15-009-26137-00-00 Region: Kraft-Prusa Field
Spud Date: 2/29/2016 Drilling Completed: 3/5/2016
Surface Coordinates: 380' FSL & 675' FWL, Sec. 34-T16S-R11W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 1925' K.B. Elevation (ft): 1936'
Logged Interval (ft): 2600' To: 3380' Total Depth (ft): 3380'
Formation: Arbuckle at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 2544'; Chemical Gel 2544' to 3380'

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

OPERATOR

Company: Herman L. Loeb, LLC.
Address: P.O. Box 838
Lawrenceville, IL. 62439-0838

GEOLOGIST

Name: Jon D. Christensen
Company: Consulting Petroleum Geologist
Address: 9002 W. Silver Hollow St.
Wichita, KS. 67205-8856

Cores

None Taken

DSTs

DST #1(Toronto) 2984' - 3014'(Corrected Depths to Log) Test Times 15"-45"-30"-60" IFP Weak blow built to 1.25", FFP Weak Blow built to 1.75", no Blowback on SI's; REC: 10' Oil Specked Mud, no water; IFP 11-20#, ISIP 339#, FFP 20-39#, FSIP 156#, IHP 1426#, FHP 1393#, BHT 97 Deg. F.

DST #2(Arbuckle) 3358' - 3380'(Corrected Depths to Log) Test Times 15"-45"-15"-45" IFP Strong Blow BOB/30 Sec., 3.5" Blowback on ISI, FFP Strong Blow BOB/30 Sec., BOB Blowback in 5 Min. of FSI; Total of 25 BBL. of oil Reversed into Water truck, 44 Deg. API oil; REC: 252' Gas in Pipe, 2268' CGO(35%G, 65%O), 315' MSW(5%M, 95%W)CI 24,000; IFP 469-763#, ISIP 1058#, FFP 807-967#, FSIP 1058#, IHP 1664#, FHP 1587#, BHT 109 Deg. F.

Comments

2/29/16 MIRU Sterling Drilling Co. Rig #4, Spud at 11:00 PM; 3/1/16 Drilling at 385'; 3/2/16 Bit Trip at 856'; 3/3/16 TD. 2640' - Rig Repairs; 3/4/16 TD. 3010' - DST #1; 3/5/16 TD. 3380' - TOH for DST #2; 3/6/16 RTD. 3380', LTD. 3377', LDDP in preparation for setting 5 1/2" Production Casing.

Set new 8 5/8"(23#) Surface Casing at 771' with 345 sacks of cement(Basic Energy Services). PD. at 7:00 PM. on 3/1/16. Cement did circulate to cellar.

Set new 5 1/2"(15.5#) Production Casing at 3371' with 120 sacks of "Loeb Blend" Cement(Basic Energy Services). PD at 3:15 PM. on 3/6/16.

Surveys: 1.0 Deg. at 775'(Surface Casing); 0.75 Deg. at 2895'(Bit Trip); 1.0 Deg. at 3380'(DST #2).

Pipe Strap at 2895'(Bit Trip): Strap 0.26' Short to the Board, no correction made to the Board.


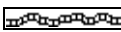
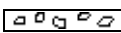
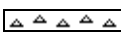
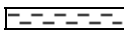







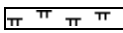
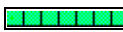
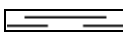
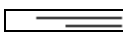
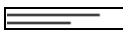



After review of DST #2 in the Arbuckle, Cased Hole Solutions logs and positive indications of commercially recoverable amounts of hydrocarbons, the operator elected to set new 5 1/2"(15.5#) Production Casing for completion in the Arbuckle.

NOTE: First pass on the logs bridged off at 2260'. Trip in hole to wash out bridge, no further problems logging.








































































LOG TOPS: Anhydrite 758(+1178), Base Anhydrite 782(+1154), Topeka 2695(-759), Queen Hill Shale 2901(-965), Heebner Shale 2987(-1051), Toronto 3004(-1068), Douglas Shale 3020(-1084), Brown Lmst. 3088(-1152), Lansing 3101(-1165), Lansing G Porosity 3203(-1267), Kansas City 'J' 3280(-1344), Base Kansas City 3367(-1431), Arbuckle 3370(-1434).

NOTE: This log was shifted downward by 4' for correlation purposes with the Cased Hole Solutions logs.

ROCK TYPES

 Anhy  Bent  Brec  Cht	 Clyst  Coal  Congl  Dol	 Gyp  Igne  Lmst  Meta	 Mrlst  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
---	---	---	---	---

ACCESSORIES

MINERAL  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau	 Gyp  Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt  Sandy  Silt  Sil  Sulphur  Tuff	FOSSIL  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst	 Sltstrg  Ssstrg TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
---	--	--	--	---

OTHER SYMBOLS

- POROSITY**
 [E] Earthy
 [F] Fenest
 [X] Fracture
 [M] Inter
 [O] Moldic
 [P] Organic
 [P] Pinpoint

[V] Vuggy

- SORTING**
 [W] Well
 [M] Moderate
 [P] Poor

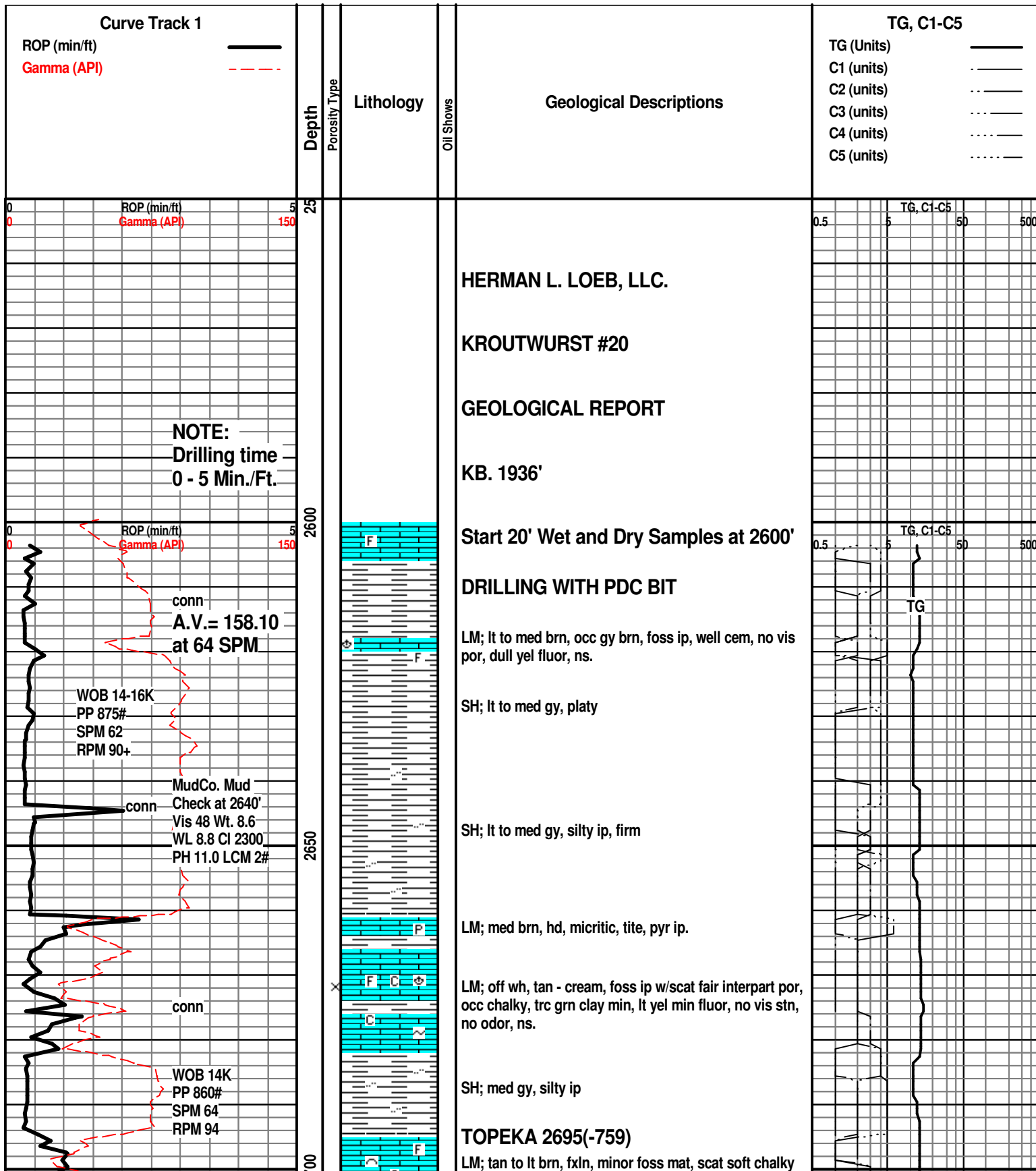
- ROUNDING**
 [R] Rounded
 [r] Subrnd
 [a] Subang
 [A] Angular

OIL SHOW
 [●] Even

- [●] Spotted
 [○] Ques
 [D] Dead

- INTERVAL**
 [■] Core
 [□] Dst

- EVENT**
 [▽] Rft
 [▲] Sidewall



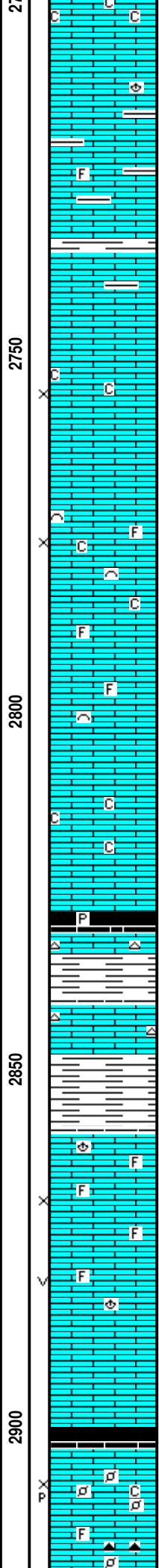
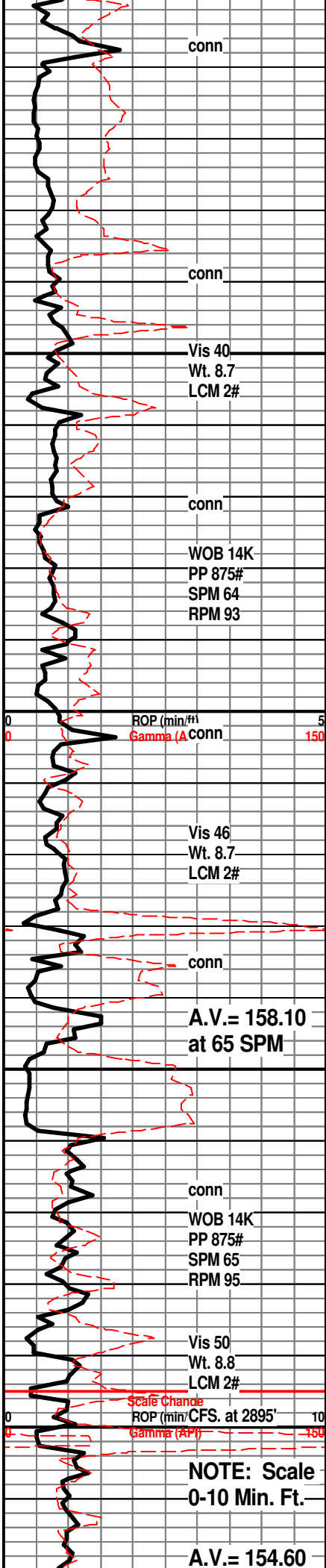
NOTE:
 Drilling time
 0 - 5 Min./Ft.

conn
 A.V.= 158.10
 at 64 SPM

WOB 14-16K
 PP 875#
 SPM 62
 RPM 90+

MudCo. Mud
 Check at 2640'
 Vis 48 Wt. 8.6
 WL 8.8 Cl 2300
 PH 11.0 LCM 2#

WOB 14K
 PP 860#
 SPM 64
 RPM 94



mtx, lt yel min fluor, no stn or odor, no gas kick

LM; lt to med gy brn, some argil lmst, foss ip, most well cem, no vis por, ns.

LM; tan to lt brn, most dense, some argil, tite

LM; tan to lt brn, gran text, fair to occ gd interxln por, minor chalky mtx, dull yel fluor, no stn or odor, ns.

LM; off wh, tan, buff, fxln w/occ foss mat(fusulinids), chalky - soft mtx ip, scat poor interpart/interxln por, lt yel min fluor, no stn or odor, ns.

LM; tan to buff, fxln to occ gran text, scat foss mat, most w/no vis por, dull to occ lt yel fluor, ns.

LM; tan to cream, buff, f to med xln, fair to poor vis interxln por, scat soft chalky mtx, lt yel min fluor, no stn or odor, ns.

SH; blk, platy, rarely pyr
LM; lt gy brn, lt brn, hd, cherty ip, tite

LM; lt to med brn, hd, micritic, scat med gy cht, tite

SH; med to occ dk gy, platy

LM; tan to lt brn, f to occ med xln, scat foss, occ fair interxln/interpart por, no stn or odor, spotty lt yel min fluor, ns.

LM; tan to lt brn, buff, fxln, scat foss mat, rare small vug por, dull yel min fluor, ns.

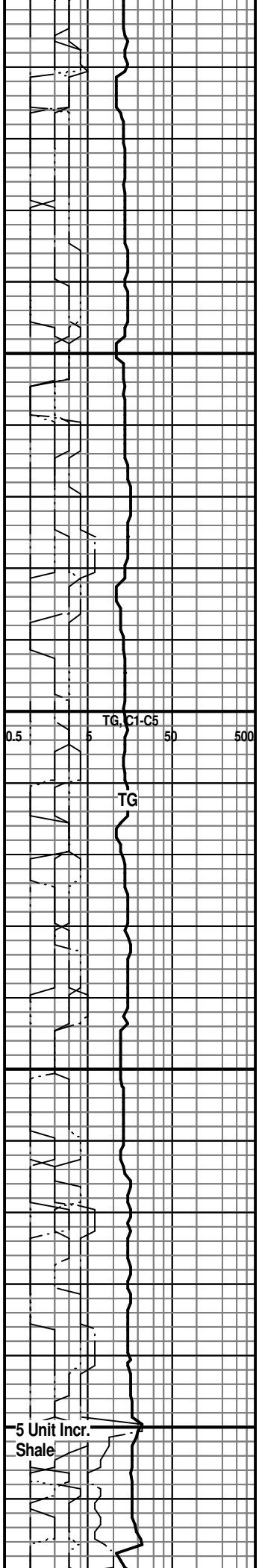
LM; off wh, tan, fxln to micritic, blocky, no vis por, no fluor, ns.

BIT TRIP AT 2895' - Pull PDC Bit

SH; blk, carb ip, platy

LM; tan to buff, lt gy brn, gran to finely pelletal, fair interxln w/occ p-p por, v. dull yel fluor, no vis stn, no odor, minor chalky mtx, ns.

LM; tan to lt brn. foss ip. scat fair interpart por. interbdd



at 55 SPM

conn
Vis 47
Wt. 8.8
LCM 3#

WOB 40K
PP 785#
SPM 55
RPM 67

conn
Vis 48
Wt. 8.9
LCM 3#

A.V.= 154.60
at 55 SPM

conn **DST #1
Toronto**

2984' - 3014'
ROP (min) 10
Gamma (A) 150
Corrected

CFS. at 3014'
MudCo. Mud
Check at 3014'
conn Vis 65 Wt. 8.9
WL 8.0 CI 5200
PH 11.0 LCM 3#

WOB 40K
PP 865#
SPM 55
RPM 63

conn

Vis 49
Wt. 9.0+
LCM 2#

conn
WOB 40K
PP 850#
SPM 55
RPM 58

conn

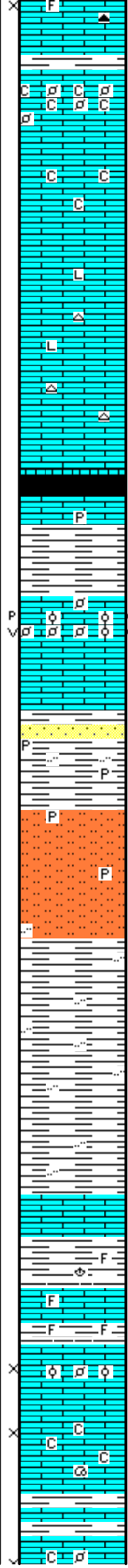
CFS. at 3130'

2950

3000

3050

3100



dk gy/dk brn cht, dull yel fluor, no stn or odor, ns.

LM; tan to buff, off wh, finely pelletal, much soft chalky mtz, lt yel fluor, poor interpart por - most well cem, no stn or odor, ns.

LM; tan/cream, off wh, fxln, chalky mtz ip, poor to no vis por, spots of blk tar/residual oil, no odor, lt yel fluor, no live show

LM; tan to lt brn, fxln, most dense - micritic, occ litho, scat spar calc xtals, no fluor, rare tan cht, ns.

HEEBNER SHALE 2987(-1051)

SH; blk, carb ip, platy
LM; med brn, hd, micritic, trc pyr

TORONTO 3004(-1068)

LM; tan, cream, foss - finely pelletal to oolitic, fair p-p and vug por, spotted to even med brn live stn, SFO, gd odor, golden to brite yel fluor, gd cut, few pcs bleeding oil droplets

DST #1: Toronto 2984' - 3014' Corrected Depths to Log

DOUGLAS SHALE 3020(-1084)

SH; lt gy, pale sea grn, silty ip, rare pyr, trc f gr qtz ss clusters

SLTST; lt gy, mica ip, platy, occ dissem pyr

SH; lt to med gy, silty, platy

SH; lt to med gy, platy, smooth, silty ip.

BROWN LMST 3088(-1152)

LM; med brn, dense, blocky, tite
SH; med gy, gy grn, platy, foss ip.

LANSING 'A' 3101(-1165)

LM; tan to lt brn, foss, well cem, blocky, tite

LM; tan to lt brn, foss - partly oolitic, some cse xln, occ spar calc xtals w/edge stn, faint odor, VSSFO, few gas bubbles, med yel fluor, fair interpart por

LM; tan to buff, fxln, poor to fair interxln por, minor soft chalky mtz, no stn or odor, no gas kick, ns.

LM; off wh, buff, foss w/scat pelletal/oolitic lmst, chalky

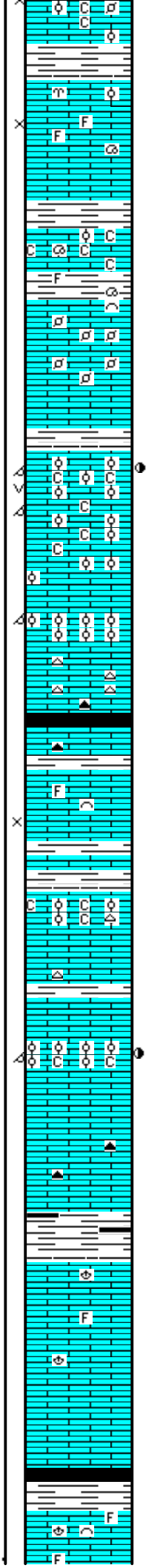
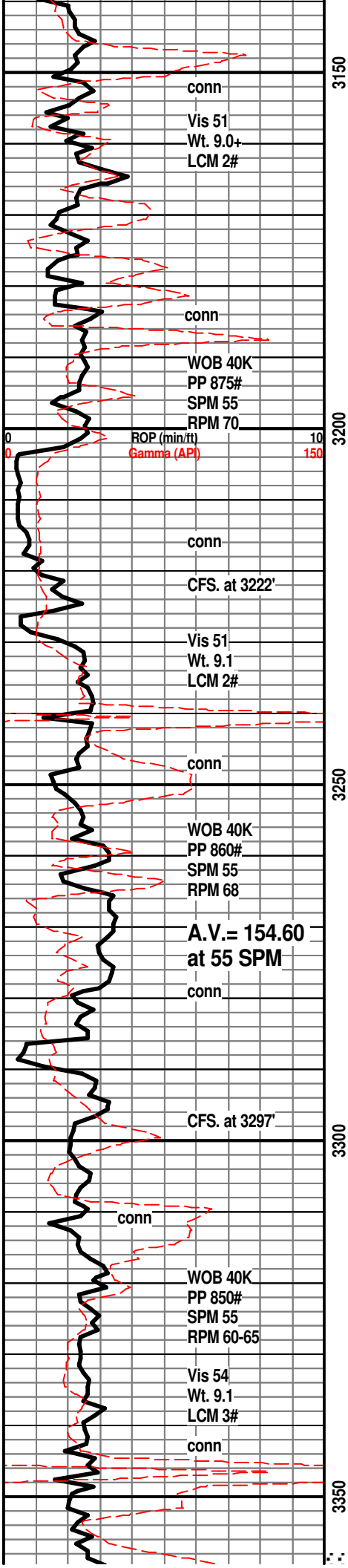
-10 Unit Incr.

9 Unit Incr.
Shale

36 Unit Incr.
SHOW

5 Unit Incr.

0.5 TG C1 C5 50 500



LM; off wh, tan, cream, foss w/abnt small pellets and ooids, very chalky mtx, soft, scat med yel min fluor, no stn or odor, ns.

LM; It to med brn, foss - pelletal to oolitic, well cem, blocky, no vis por, no fluor, ns.

LANSING 'G' PORO. 3203(-1267)
LM; It brn, oolitic/most w/med size molds, brittle ip, well dev. oomoldic por, few pcs w/spotted lt brn stn in top, most barren por, occ chalky, lt to med yel min fluor

LM; It brn, oolitic ip, bcm dense - well cem, decr. chalk

LM; off wh, buff, oolitic, brittle ip, fair to gd oomoldic por, dull yel fluor, no stn or odor, ns.
LM; med brn, hd, micritic, scat gy to blk cht, tite

MUNCIE CREEK SHALE 3240(-1304)
SH; blk, fiss to platy

LM; tan to cream, fxln, poor interxln por, scat foss mat, no vis stn, no odor, ns.

LM; off wh, wh, foss - partly oolitic at top, poorly dev. oomoldic por, chalky, dull to lt yel fluor, no stn or odor, ns.

KANSAS CITY 'J' 3280(-1344)
LM; It brn, tan, oolitic, fair to gd oomoldic por, fairly strong sulfur odor, 2 pcs w/spotted oil stn, most barren por, chalky mtx ip.

LM; tan to lt brn, most dense, blocky, tite, occ dk gy cht

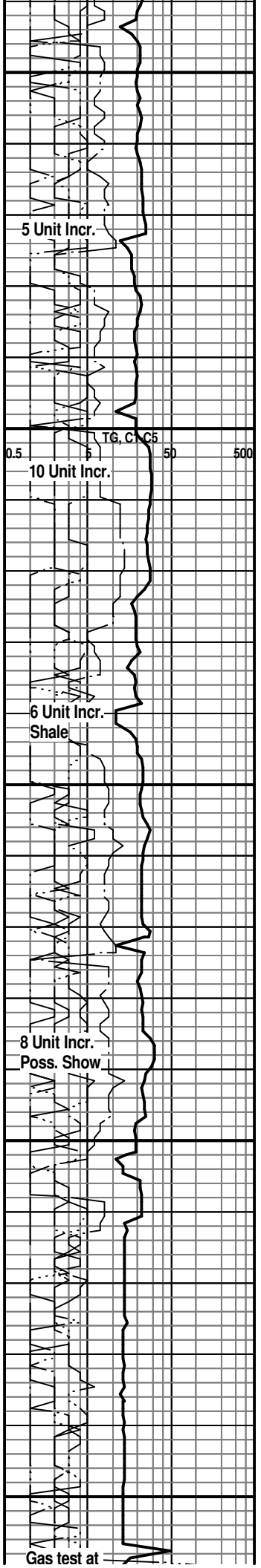
SH; dk gy, some blk, platy

LM; tan to cream, buff, hd, blocky, rare well cem foss mat, no vis por, no fluor, ns.

LM; med brn, occ gy brn, dense, blocky, tite

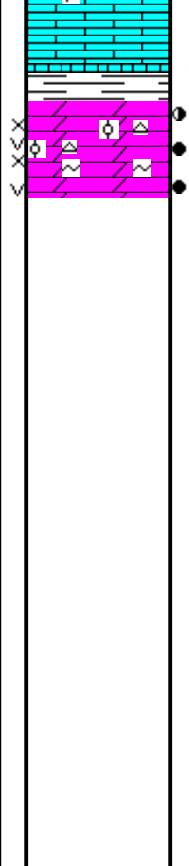
SH; blk, thinly bdd

LM; tan to med brn, foss ip, most well cem, interbdd med to cse xln lms, trc poor interxln por, no fluor, no stn, ns.



DST #2
 Arbuckle
 3358' - 3380'
 CFS. at 3371'
 CFS. at 3380'
 MudCo. Mud
 Check at 3380'
 Vis 56 Wt. 9.3
 WL 7.6 CI 5700
 PH 10.5 LCM 3#

0	ROP (min/ft)	10
0	Gamma (API)	150

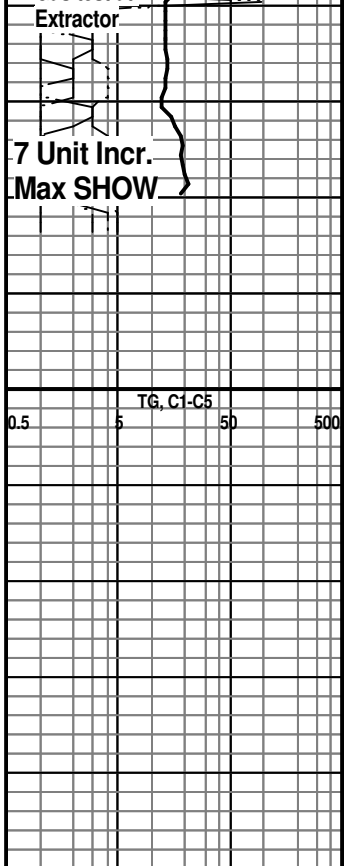


BASE KANSAS CITY 3367(-1431)
 ARBUCKLE 3370(-1434)
 DOL; wh, buff, med rhombic, some very tite, gd odor, rare vug por, med/brite yel fluor, SSFO, rare oolitic cht, some grn clay incl(glau?)
 DOL; wh, lt brn(oil stn), med rhombic, gd interxln and vug por, SFO, gd odor, brite yel fluor, most even stn, immed. streaming cut

DST #2: Arbuckle 3358' - 3380'
 Corrected Depths to Log
 RTD. 3380' at 3:45 AM. 3/5/2016

LTD. 3377'
 Cased Hole Solutions - DIL,
 NEU/DEN/PE, Microlog

NOTE: This log was shifted downward by 4' to match Cased Hole Solutions Log depths.





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Herman L Loeb LLC
 PO Box 838
 Lawrenceville IL, 62439
 ATTN: Jon Christensen

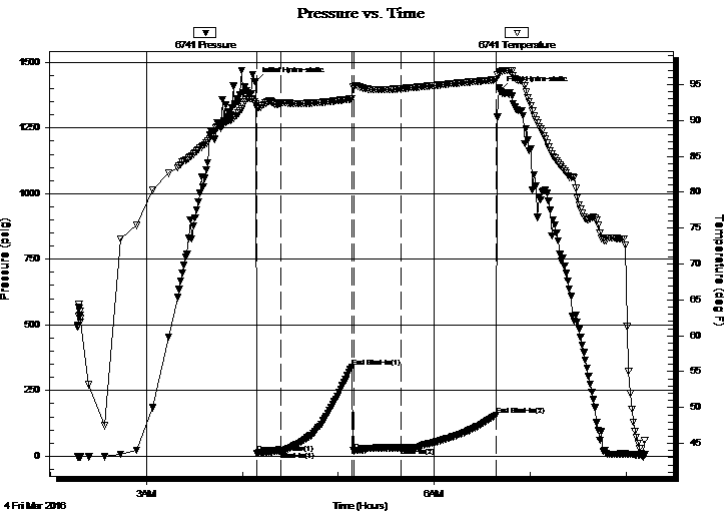
34/16S/11W/Barton
Kroutworst #20
 Job Ticket: 65081 **DST#: 1**
 Test Start: 2016.03.04 @ 02:17:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:09:00
 Time Test Ended: 08:12:00
 Interval: **2980.00 ft (KB) To 3010.00 ft (KB) (TVD)**
 Total Depth: 3010.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Great Bend/50
 Reference Elevations: 1936.00 ft (KB)
 1925.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6741 Inside
 Press@RunDepth: 31.84 psig @ 3006.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.03.04 End Date: 2016.03.04 Last Calib.: 2016.03.04
 Start Time: 02:17:05 End Time: 08:11:59 Time On Btm: 2016.03.04 @ 04:08:30
 Time Off Btm: 2016.03.04 @ 06:41:00

TEST COMMENT: Initial flow / Slow build to 1 1/4 inch
 Initial shut in / no blow back
 Final flow / Slow build to 1 3/4 inch
 Final shut in / no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1426.71	92.28	Initial Hydro-static
1	11.39	91.80	Open To Flow (1)
16	20.27	92.43	Shut-In(1)
60	339.05	93.00	End Shut-In(1)
61	20.12	94.63	Open To Flow (2)
91	31.84	94.42	Shut-In(2)
150	156.71	95.68	End Shut-In(2)
153	1393.34	96.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil spotted mud/ Mud 100%	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L Loeb LLC
 PO Box 838
 Lawrenceville IL, 62439
 ATTN: Jon Christensen

34/16S/11W/Barton
Kroutworst #20
 Job Ticket: 65081 **DST#: 1**
 Test Start: 2016.03.04 @ 02:17:00

Mud and Cushion Information

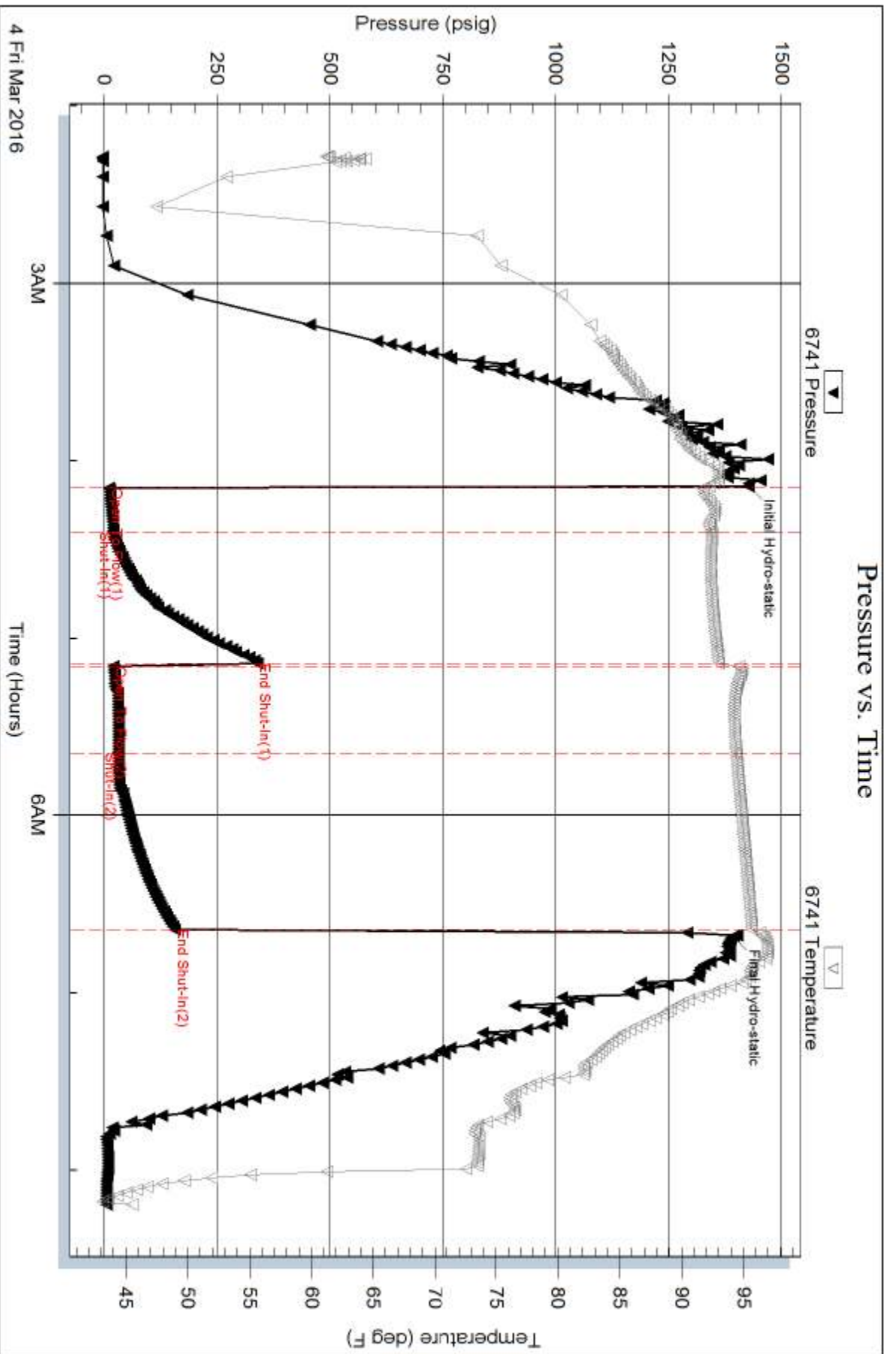
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Oil spotted mud/ Mud 100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Herman L Leob LLC
 PO Box 838
 Lawrenceville IL, 62439
 ATTN: Jon Christensen

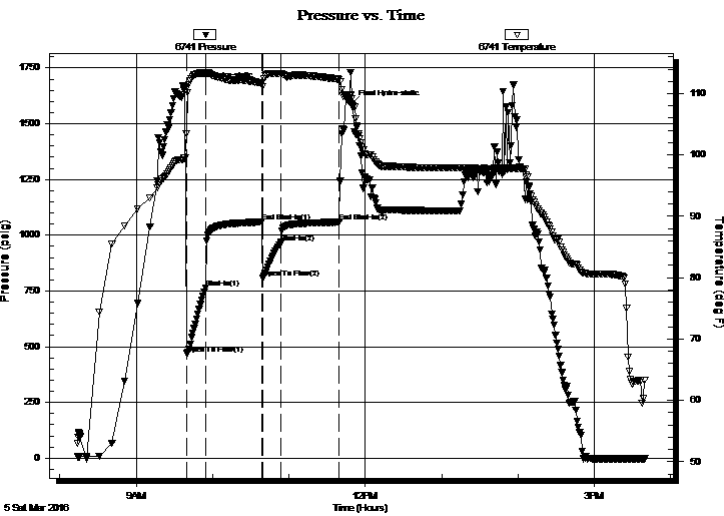
34/16S/11W/Barton
Kroutworst #20
 Job Ticket: 65082 **DST#: 2**
 Test Start: 2016.03.05 @ 08:14:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:39:30
 Time Test Ended: 15:40:00
 Interval: **3354.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Great Bend 50
 Reference Elevations: 1936.00 ft (KB)
 1925.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6741 Inside
 Press@RunDepth: 967.44 psig @ 3376.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.03.05 End Date: 2016.03.05 Last Calib.: 2016.03.05
 Start Time: 08:14:05 End Time: 15:39:59 Time On Btm: 2016.03.05 @ 09:38:30
 Time Off Btm: 2016.03.05 @ 11:49:30

TEST COMMENT: Initial flow 15 min/blow built to bottom of bucket in 30 seconds
 Initial shut in 45 min/blow back built to 3 1/2 inches
 Final flow 15 min/blow built to bottom of bucket in 30 seconds
 Final shut in 45 min/blow back built to bottom of bucket in 5 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1664.76	99.49	Initial Hydro-static
1	469.25	103.43	Open To Flow (1)
16	763.25	113.39	Shut-In(1)
60	1058.78	111.74	End Shut-In(1)
61	807.20	111.19	Open To Flow (2)
76	967.44	113.25	Shut-In(2)
121	1058.65	112.32	End Shut-In(2)
131	1587.82	109.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	Mud cut water with show of oil	2.43
0.00	Mud 5% Water 95%	0.00
2268.00	Clean gassy Oil	31.81
0.00	Gas 35% Oil 65%	0.00
0.00	252 feet of Gas in pipe	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Herman L Leob LLC
 PO Box 838
 Lawrenceville IL, 62439
 ATTN: Jon Christensen

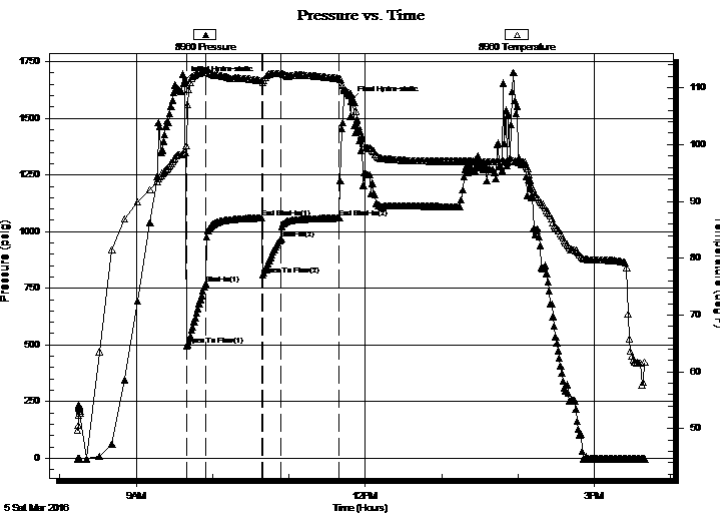
34/16S/11W/Barton
Kroutworst #20
 Job Ticket: 65082 **DST#: 2**
 Test Start: 2016.03.05 @ 08:14:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:39:30
 Time Test Ended: 15:40:00
 Interval: **3354.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Great Bend 50
 Reference Elevations: 1936.00 ft (KB)
 1925.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8960 Outside
 Press@RunDepth: 1060.26 psig @ 3377.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.03.05 End Date: 2016.03.05 Last Calib.: 2016.03.05
 Start Time: 08:14:05 End Time: 15:39:59 Time On Btm: 2016.03.05 @ 09:38:30
 Time Off Btm: 2016.03.05 @ 11:49:00

TEST COMMENT: Initial flow 15 min/blow built to bottom of bucket in 30 seconds
 Initial shut in 45 min/blow back built to 3 1/2 inches
 Final flow 15 min/blow built to bottom of bucket in 30 seconds
 Final shut in 45 min/blow back built to bottom of bucket in 5 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.27	98.57	Initial Hydro-static
1	497.52	99.74	Open To Flow (1)
16	770.78	112.66	Shut-In(1)
60	1060.40	111.29	End Shut-In(1)
61	808.77	110.86	Open To Flow (2)
76	969.20	112.48	Shut-In(2)
121	1060.26	111.60	End Shut-In(2)
131	1576.03	108.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	Mud cut water with show of oil	2.43
0.00	Mud 5% Water 95%	0.00
2268.00	Clean gassy Oil	31.81
0.00	Gas 35% Oil 65%	0.00
0.00	252 feet of Gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L Leob LLC
PO Box 838
Lawrenceville IL, 62439
ATTN: Jon Christensen

34/16S/11W/Barton
Kroutworst #20
Job Ticket: 65082 **DST#: 2**
Test Start: 2016.03.05 @ 08:14:00

Mud and Cushion Information

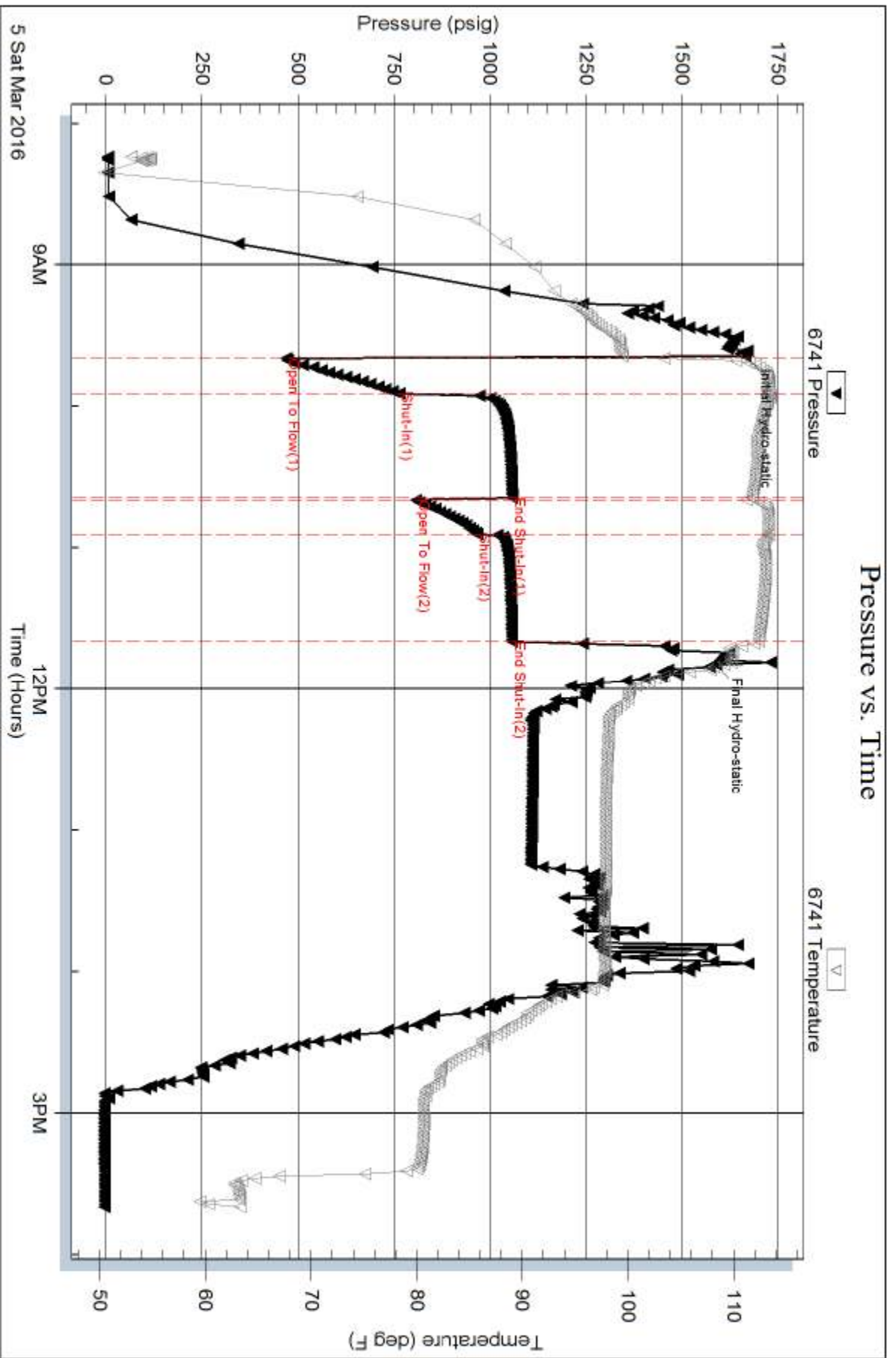
Mud Type: Gel Chem	Cushion Type:	Oil API: 44 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 24000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.60 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5700.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

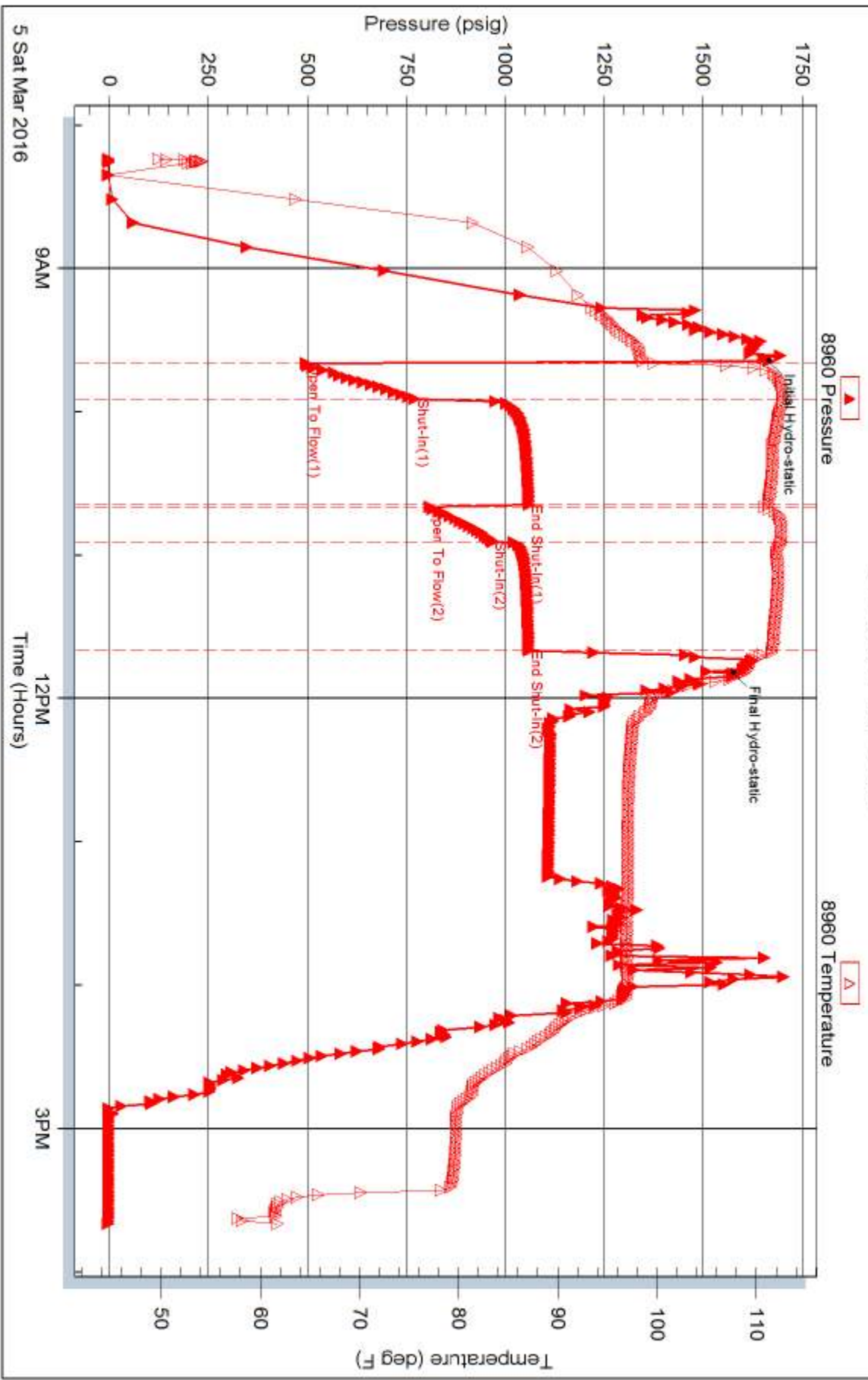
Recovery Table

Length ft	Description	Volume bbl
315.00	Mud cut water with show of oil	2.435
0.00	Mud 5% Water 95%	0.000
2268.00	Clean gassy Oil	31.814
0.00	Gas 35% Oil 65%	0.000
0.00	252 feet of Gas in pipe	0.000

Total Length: 2583.00 ft Total Volume: 34.249 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



Pressure vs. Time





PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1007589	1718	03/04/2016
INVOICE NUMBER			
92066173			

Pratt (620) 672-1201
 B HERMAN L LOEB LLC
 I PO Box: 838
 L LAWRENCEVILLE
 L IL US 62439
 T
 O ATTN: ACCOUNTS PAYABLE

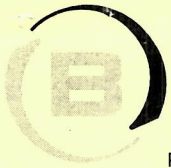
J LEASE NAME Kroutwurst #20
 O LOCATION
 B COUNTY Barton *760 Krout*
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT *6438*
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40918466	86779-0		Net - 30 days	04/03/2016

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 03/01/2016 to 03/01/2016				
0040918466				
171812890A Cement-New Well Casing/Pi 03/01/2016 Surface Cement New Well				
A-Con' Blend	195.00	EA	8.10	1,579.50 T
60/40 POZ	150.00	EA	5.40	810.00 T
Celloflake	86.00	EA	1.67	143.19 T
Calcium Chloride	939.00	EA	0.47	443.68 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	101.25	101.25
"8 5/8"" Guide Shoe (Red)"	1.00	EA	247.50	247.50
"Baffle Plate Alum., 8 5/8"" (Blue)"	1.00	EA	76.50	76.50
"Unit Mileage Chg (PU, cars one way)"	75.00	MI	2.02	151.87
Heavy Equipment Mileage	150.00	MI	3.38	506.25
"Proppant & Bulk Del. Chgs., 1174 mill	1.00	EA	1,320.47	1,320.47
Depth Charge; 501'-1000'	1.00	EA	540.00	540.00
Blending & Mixing Service Charge	345.00	BAG	0.63	217.35
Plug Container Util. Chg.	1.00	EA	112.50	112.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	78.75	78.75

PAID
 MAR - 9 2016
 SCANNED
 65698

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,328.81
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	223.23
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	6,552.04
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 12890 A

34-165-11W

DATE _____ TICKET NO. _____

DATE OF JOB 3-1-16		DISTRICT		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER Herman L. Loeb		LEASE Krout wurst		WELL NO. 20						
ADDRESS		COUNTY Barton		STATE Kansas						
CITY		STATE		SERVICE CREW Messick's Grains M Barber						
AUTHORIZED BY		JOB TYPE: C.N.W. - Surface								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
86779	1						3-1-16			1:00
						ARRIVED AT JOB				3:30
						START OPERATION				6:15
19862	79					FINISH OPERATION				7:15
						RELEASED	3-1-16			7:30
						MILES FROM STATION TO WELL				75

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	A Can Blend Common	skt	195		\$ 3510 00
CP 103	60/40 Poz	skt	150		\$ 1800 00
CC 102	Cell Plate	Lb	86		\$ 318 20
CC 109	Calcium Chloride	Lb	939		\$ 985 95
CF 105	Top Rubber Plug, 8 5/8"	ea	1		\$ 225 00
CF 203	8 5/8" Guide Shoe	ea	1		\$ 550 00
CF 753	Baffle Plate Aluminum, 8 5/8"	ea	1		\$ 170 00
F 100	Pickup Mileage	mi	75		\$ 337 50
F 101	Heavy Equipment Mileage	mi	150		\$ 1,125 00
F 113	Bulk Delivery	Tn/m	1174		\$ 2,934 38
CF 201	Cement Pump: 50 Feet To 1,000 Feet	4 Hr	1		\$ 1,200 00
CF 240	Blending and Mixing Service	skt	345		\$ 483 00
CF 504	Plug Container	Job	1		\$ 250 00
S003	Service Supervisor	Job	1		\$ 175 00

SUB TOTAL \$ 14,064.03

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		\$ 16,328.81

SERVICE REPRESENTATIVE R M [Signature]	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
--	---

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer: Herman L. Loeb Lease No. _____ Date: 3-1-16
 Lease: Krontwurst Well # 20
 Field Order # 12390 Station: Pratt, Kansas Casing: 8 5/8 23lb Depth: 775 Feet County: Barton State: Kansas
 Type Job: C.N.W. - Surface Formation: _____ Legal Description: 34-165-11W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: 8 5/8 23lb	Tubing Size: 2 3/8 11lb	Shots/Ft: 195	195 sac	Fluid: A-Con with 33% Calcium Chloride	Rate: 2.47 cu. FT./sk.	Press: 251 lb./sk.	ISIP: 5 Min.	Cell Plate: 25 lb./sk.
Depth: 775 Feet	Depth: _____	From: _____	To: 12 lb. Gal.	Fluid: 14.49 Gal./sk.	Max Rate: _____	Press: _____	ISIP: _____	Cell Plate: _____
Volume: 49.8 Bbl.	Volume: _____	From: _____	To: 150 sacs	Fluid: 60/40 Pozu	Min Rate: _____	Press: _____	ISIP: _____	Cell Plate: _____
Max Press: 400 PSI	Max Press: _____	From: _____	To: 14.8 lb. Gal.	Fluid: 5.18 Gal./sk.	Avg Rate: 1.21 cu. FT./sk.	Press: _____	ISIP: _____	Cell Plate: _____
Well Connection: Plug Cont.	Annulus Vol. _____	From: _____	To: _____	Fluid: _____	HHP Used: _____	Press: _____	ISIP: _____	Cell Plate: _____
Plug Depth: 749 Feet	Packer Depth: _____	From: _____	To: _____	Fluid: 47.8 Bbl. Fresh Water	Gas Volume: _____	Press: _____	ISIP: _____	Cell Plate: _____

Customer Representative: Lanny Saloga Station Manager: Kevin Gordley Treater: Clarence R. Messick

Service Units: 37,216	78,982	86,779	19,960	19,862
Driver Names: Messick	Graves	Barber		

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:30					Trucks on location and hold safety meeting.
5:00					Sterling Drilling start to run 19 Joints new 2 3/8 lb. FT. 8 5/8" casing.
6:10					Casing in well. Circulate for 5 minutes.
6:20	200			5	Start Freshwater Pre-Flush.
	200		10	5	Start mixing 195 sacks A-Con blend cement.
6:40	300		96	5	Start mixing 150 sacks 60/40 Poz blend cement.
	-0-		128		Stop pumping. Shut in well. Release Plug. Open Well.
6:50	200			5	Start Fresh water Displacement.
7:00	400		47.8		Plug down. Shut in well.
					Circulated 10 sacks cement to the pit.
					Wash up pump truck.
7:30					Job complete.
					Thank You.
					Clarence, Scott, Matt



PAGE 1 of 1	CUST NO 1007589	YARD # 1718	INVOICE DATE 03/09/2016
INVOICE NUMBER 92069351			

Pratt (620) 672-1201
 B HERMAN L LOEB LLC
 I PO Box: 838
 L LAWRENCEVILLE
 L IL US 62439
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Krautwurst #20
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

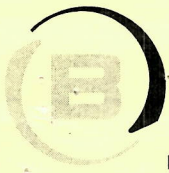
6076 / 6432 / 760 Kraut

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40918938	27463-C		Net - 30 days	04/08/2016

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 03/06/2016 to 03/06/2016				
0040918938				
171812891A Cement-New Well Casing/Pi 03/06/2016 Longstring Cement New Well				
50/50 POZ	120.00	EA	5.28	633.60 T
60/40 POZ	50.00	EA	5.76	288.00 T
Celloflake	30.00	EA	1.78	53.28 T
Gypsum	505.00	EA	0.36	181.80 T
FLA-322	51.00	EA	3.60	183.60 T
Gilsonite	720.00	EA	0.32	231.55 T
KCL	273.00	EA	0.72	196.56 T
"Latch Down Plug & Baffle, 5 1/2"" (Blu	1.00	EA	192.00	192.00
"Cmt. Shoe Packer Type, 5 1/2"" (Blue) "	1.00	EA	1,344.00	1,344.00
"Turbolizer, 5 1/2"" (Blue)"	10.00	EA	52.80	528.00
"Cement Basket, 5 1/2"	1.00	EA	139.20	139.20
Mud Flush	1,000.00	EA	0.72	720.00 T
"Unit Mileage Chg (PU, cars one way)"	75.00	MI	2.16	162.00
Heavy Equipment Mileage	150.00	MI	3.60	540.00
"Proppant & Bulk Del. Chgs., per ton mil	540.00	EA	1.20	648.00
Depth Charge; 3001-4000'	1.00	EA	1,036.80	1,036.80
Blending & Mixing Service Charge	170.00	BAG	0.67	114.24
Plug Container Util. Chg.	1.00	EA	120.00	120.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	84.00	84.00

PAID
65789
MAR 15 2016
SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	7,396.63
BASIC ENERGY SERVICES,LP	BASIC ENERGY SERVICES,LP	TAX	186.63
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	7,583.26
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 12891 A

34-165-11W

DATE _____ TICKET NO. _____

DATE OF JOB 3-6-16	DISTRICT Pratt, Kansas	NEW WELL <input type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER Herman L. Loeb		LEASE Kroustwurf				WELL NO. 20				
ADDRESS		COUNTY Barton		STATE Kansas						
CITY		STATE		SERVICE CREW C Messick S Ernst M McGuire						
AUTHORIZED BY		JOB TYPE: N.W. - LOW STRENGTH								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
27,463	1						3-6-16			5:30
						ARRIVED AT JOB				10:00
						START OPERATION				2:30
19,360	5					FINISH OPERATION				4:30
						RELEASED	3-6-16			4:45
						MILES FROM STATION TO WELL				7.5

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP104	50/50 Poz	sk	120		\$ 1,320.00
CP103	60/40 Poz	sk	50		\$ 600.00
CC102	Cellflote	Lb	30		\$ 111.00
CC113	Gypsum	Lb	505		\$ 378.75
CC129	FLA 322	Lb	51		\$ 392.50
CC201	Gilsonite	Lb	720		\$ 492.40
C700	KCL Potassium Chloride	Lb	273		\$ 409.50
CF607	Latch Down Plug and Buffer, 5 1/2"	ea	1		\$ 400.00
CF1051	Cementing Shoe Packer Type, 5 1/2"	ea	1		\$ 2,800.00
CF1651	Turbolizer, 5 1/2"	ea	10		\$ 1,100.00
CF1901	5/2 Basket	ea	1		\$ 290.00
CC151	Mud Flush	Gal	1000		\$ 1,500.00
F100	Pickup Mileage	mi	75		\$ 337.50
F101	Heavy Equipment Mileage	mi	150		\$ 1,125.00
F113	Bulk Delivery	T/m	540		\$ 1,350.00
CE204	Dept A Charge: 3,000 Feet To 4,000 Feet	4hr	1		\$ 2,160.00
CE240	Blending and Mixing Service	sk	170		\$ 238.00
CE504	Plm Container	Job	1		\$ 250.00
5003	Service Supervisor	Job	1		\$ 175.00

SUB TOTAL \$ 15,409.65

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	

TOTAL \$ 7,396.63

SERVICE REPRESENTATIVE R M [Signature]	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
---	--

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer Herman L. Loeb	Lease No.	Date 3-6-16
Lease Krautwurst	Well # 20	
Field Order # 12891	Station Pratt, Kansas	Casing" 5 1/2
		Depth 3372ft.
Type Job C.N.W-Longstring	Formation	County Barton
		State Kansas
		Legal Description 34-165-11W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 5 1/2	Tubing Size 5.5	Shots/Ft 120	Acid 50/50 Poz with	Rate 25 Lb./5	Pressure Cell	ISIP 58 Cal-Set	
Depth 3372 Feet	Depth	From To	Fluid Loss 58 KCL, 6	Max Lb./sk. Gilsomite		5 Min.	
Volume 20.3 Bbl.	Volume	From To	Gal. 5.43 Gal. 1sk.	Min 1.35 cu. FT. 1sk.		10 Min.	
Max Press 1500 P.S.	Max Press	From To		Avg		15 Min.	
Wall Connection Fluvaliner	Annulus Vol. Ainer	From To	60/40 Poz to Plug	HHP Used Rat and Mouse holes		Annulus Pressure	
Plug Depth 3348 feet	Packer Depth	From To	Flush 79.7 Bbl. Fresh water	Gas Volume		Total Load	

Customer Representative George Payne	Station Manager Kevin Gardley	Treater Clarence R. Messick
---	----------------------------------	--------------------------------

Service Units	37.216	27.463	19.903	19.860				
Driver Names	Messick	Ernst	McGuire					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					Trucks on location and hold safety meeting
11:15					Sterling Drilling start to run Packer shoe. Shoe Joint with Latch Down Baffle screwed into collar and a total of 827 lbs. new 15.5 Lb./Ft. 5 1/2" casing. A Basket was installed on T1 #2. Turbolizers were installed on collar #1, 3, 5, 11, 19, 27, 35, 43, 53, 63.
1:45					Casing in well. Circulate for 45 minutes
2:30					Release Ball to set Pkr. shoe.
2:38	1400			5	Start Pre Flush & set Packer shoe.
2:44	300		24	5	Start mixing 120 sks. 50/50 Poz cement.
	-0-		52		Stop pumping. Shut in well. Release Latch Down Plug. Open well. wash pump and lines.
2:54	100			6.5	Start Fresh water Displacement.
			60	5	start to lift cement.
3:08	500		79.7		Plug down.
	1500				Pressure up.
					Release pressure. Latch Down Plug hold.
					Shut in well.
	-0-		7-5	3	Plug Rat and Mouse holes.
					Wash up pump truck.
3:45					Job Complete.
					Thank You.
					Clarence, Mike, Shawn