

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1241576
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: _____

1241576

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

UMCC "A" #2-17
API: 15-119-21379

ACO-1 Supplemental Information

SAMPLE TOPS

McCoy Petroleum Corp.
UMCC "A" #2-17
C SE SW
660'FSL & 1980'FWL
Sec 17-30s-30w
KB: 2830'

| | Depth | Datum |
|--------------|-------|-------|
| Heebner | 4238 | -1408 |
| Toronto | 4257 | -1427 |
| Lansing | 4308 | -1478 |
| Lansing G | 4590 | -1760 |
| Stark | 4748 | -1918 |
| Swope Pors. | 4761 | -1931 |
| Hushpuckney | 4808 | -1978 |
| Hertha Pors. | 4826 | -1996 |
| Marmaton | 4896 | -2066 |
| Pawnee | 5002 | -2172 |
| Ft Scott | 5036 | -2206 |
| Cherokee | 5048 | -2218 |
| Atoka | 5244 | -2414 |
| Morrow Sh. | 5296 | -2466 |
| Chester | 5301 | -2471 |
| St Genevieve | 5480 | -2650 |
| St Louis | 5602 | -2772 |
| RTD | 5700 | -2870 |

LOG TOPS

McCoy Petroleum Corp.
UMCC "A" #2-17
C SE SW
660'FSL & 1980'FWL
Sec 17-30s-30w
KB: 2830'

| | Depth | Datum |
|--------------|-------|-------|
| Heebner | 4236 | -1406 |
| Toronto | 4257 | -1427 |
| Lansing | 4308 | -1478 |
| Lansing G | 4590 | -1760 |
| Stark | 4746 | -1916 |
| Swope Pors. | 4761 | -1931 |
| Hushpuckney | 4808 | -1978 |
| Hertha Pors. | 4822 | -1992 |
| Marmaton | 4804 | -2074 |
| Pawnee | 5000 | -2170 |
| Ft Scott | 5036 | -2206 |
| Cherokee | 5048 | -2218 |
| Atoka | 5260 | -2430 |
| Morrow Sh. | 5206 | -2476 |
| Chester | 5310 | -2480 |
| St Genevieve | 5480 | -2650 |
| St Louis | 5604 | -2774 |
| LTD | 5700 | -2870 |



**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: UMCC "A" #2-17
API: 15-119-20,379-00-00
Location: SE - SW of Sec. 17 - T. 30 S. - R. 30 W.
License Number: KCC # 5003
Spud Date: 10/25/2014
Surface Coordinates: SPOT: 660' FSL & 1980' FWL

Region: MEADE CO., KS.
Drilling Completed: 11/01/2014

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2819' **K.B. Elevation (ft):** 2830'
Logged Interval (ft): Surface Cs To: 5700' **Total Depth (ft):** 5700'
Formation: MISSISSIPPIAN "ST. LOUIS"
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL. & MUD DISPLACEMENT @ 3000'.

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

OPERATOR

Company: McCOY PETROLEUM CORPORATION KCC LIC. NO. # 5003
Address: 9342 E. CENTRAL
WICHITA, KANSAS 67206-2573

GEOLOGIST

Name: DAVID P. WILLIAMS, P.G.
Company: DW ENERGY, LLC (DWE)
Address: 312 N. BROADVIEW STREET
WICHITA, KANSAS 67208

CASING & DEVIATION

Surface Casing: Spud at 8:00 PM on 10/25/14. Drilled 12-1/4" to 1833'. Ran 44 joints of new 24#, 8-5/8" casing. Tallied 1812' Set at 1828' KB. Welded straps on shoe, bottom 3 joints and top 2 joints. Tacked collars on the remainder, (5) central-izers on joints 1-3-5-7-9. Float insert in top of 1st joint. Cemented with 675 sks Class A; 3% CC, 6% Gel & 1/4# FS. Tailed with 200 sks Class A; 3% CC; 1/4# FS. Cement did circulate. Plug down at 12:15 pm on 10/27/14. Allied Cementing ticket #61666.

Deviation Survey's Taken: @ 1833' = 3/4 degree; @ 5700' = 1 1/4 degree.

DSTs

NONE TAKEN.


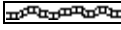
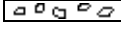

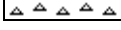
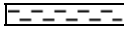









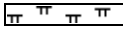


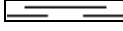
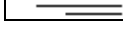
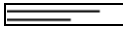



Comments

After review of all geologic samples as examined, combined with the results from analysis from the electric logs run, it was determined by all parties that production casing should be run in order to further evaluate this well.



































































Respectfully submitted,

David P. Williams, P. G. # 88 KSBTP






















ROCK TYPES

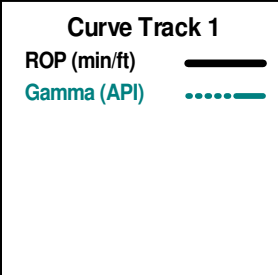
| | | | | |
|---|---|---|---|---|
|  Anhy  Bent  Brec  Carb sh  Cht |  Clyst  Coal  Congl  Dol  Grn sh |  Gry sh  Gyp  Igne  Lmst  Meta |  Mrlst  Red shale  Salt  Shale  Shcol |  Shgy  Sltst  Ss  Till |
|---|---|---|---|---|

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  Fuss  Gastro  Oolite  Oomold  Ostra  Pelec |  Pellet  Pisolite  Plant  Strom | TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest |
| | | STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst  Sltstrg  Ssstrg | | | |

OTHER SYMBOLS

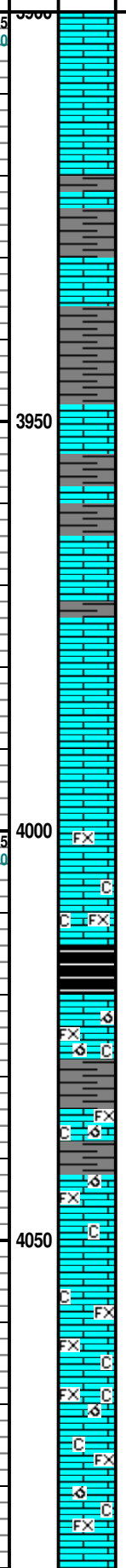
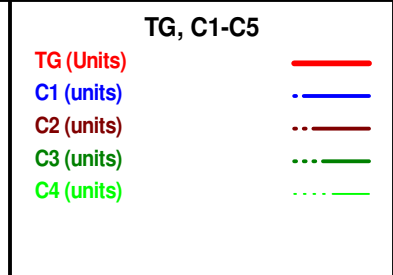
| | | | | |
|---|---|---|---|---|
| POROSITY  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint |  Vuggy | ROUNDING  Rounded  Subrnd  Subang  Angular |  Even  Spotted  Ques  Dead | EVENT  Rft  Sidewall |
| | | SORTING  Well  Moderate  Poor | OIL SHOW  Gas show | INTERVAL  Dst  Dst_alt |



Depth

Oil Shows

Geological Descriptions



McCOY PETROLEUM CORPORATION
UMCC "A" # 2-17
SPOT: 660' FSL & 1980' FWL
SE - SW
Sec. 17 - T. 30 S. - R. 30 W.
MEADE COUNTY, KANSAS
A.P.I. # 15 - 119 - 21,379 - 00 - 00
ELEVATION : 2830' K. B. ; 2819' G. L.
CONTRACTOR: STERLING DRILLING - RIG # 2
Geologist: David P. Williams, P. G.
 Geologist on location @ (4006') 12:10 AM 10-29-14
 STONE CORRAL ANHYDRITE SAMPLE TOP = 1757' (+1073).
 STONE CORRAL ANHYDRITE SAMPLE BASE = 1774' (+1056).
 Deviation Survey's Taken: @ 1833' = 3/4 degree; @ 5700' = 1 1/4 degree.

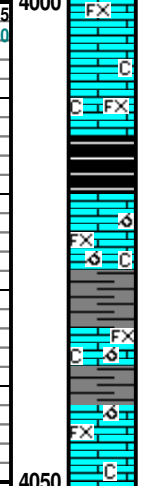
TG, C1-C5 150

MUD
 DISPLACEMENT @
 3000'.



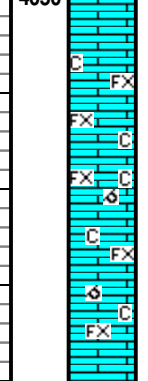
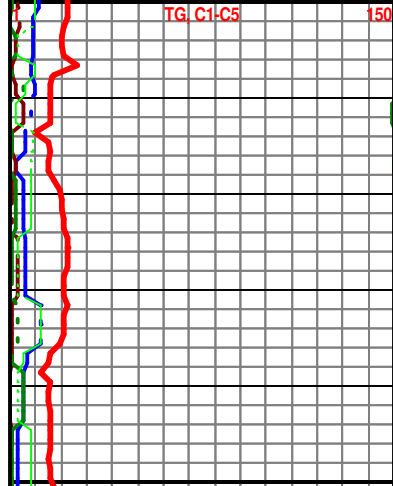
Note: All samples have been lagged to depth by calculated time.
 Begin 31' Sample Examination @ 4050'.

Mudco Ck @
 3982' @ 11:00 AM
 10/29/14
 Vis 49;
 WT= 9.0#;
 PV= 16;
 YP = 17;
 WL= 7.6#;
 Cake= 1;
 Chl= 4800 Ppm;
 Cal = 40;
 Sol= 4.7%.
 LCM= 2#;
 DMC=\$5,897.80;
 CMC=\$15,580.50.

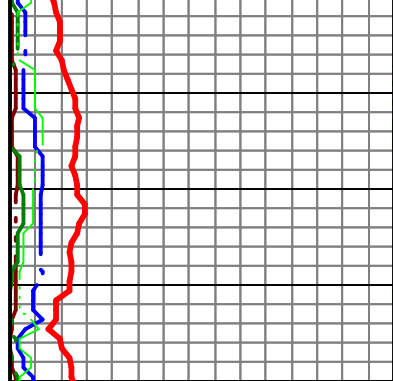


Ls Wht-Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk Abd Sh
 Char-Gry Soft No Odor No Stn No Flor NS

Ls Wht-Crm-Gry FxIn Poor OOM Por Poor Develop Poor Vug Dissolu Poor
 Leaching Grad Micrite Barren Grad Poor Pin-Pt IxIn Por Fos (Fuss) Chalk Sh
 Char-Gry Soft No Odor No Stn No Flor NS



Ls Wht-Crm-Gry FxIn Poor OOM Por Poor Develop Poor Dissolu Poor
 Leaching Grad Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk (Abd) Sh
 Char-Gry Soft No Odor No Stn No Flor NS



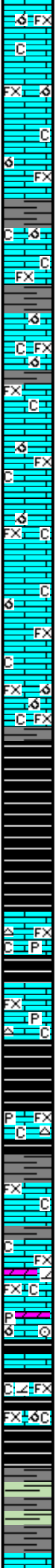
4100

4150

4200

4250

4300



Ls Wht-Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Grad Tr Poor
 OOM (w/Vug) Por Poor-Fair Leaching Chalk (Abd) Sh Blk Carb-Char-Gry Soft
 No Odor No Stn No Flor NS

Ls Wht-Crm-Gry FxIn Micrite (w/Pyr Inklus) Barren Grad Poor Pin-Pt IxIn Por
 Grad Poor-Fair OOM Por Chalk (Abd) Sh Char-Gry-Drk Gry Soft No Odor No
 Stn No Flor NS

Sh Blk Carb (w/GSG) -Char-Gry Fissil Ls Wht-Crm-Gry FxIn Dns Micrite Grad
 Pin-Pt IxIn Por Chalk No Odor No Stn No Flor NS

HEEBNER 4236' (- 1406)

Sh Blk Carb-Char-Gry (w/Pyr Inklus) Soft-Fissil Ls Wht-Crm-Gry FxIn Dns
 Micrite (w/Pyr Inklus) Grad Pin-Pt IxIn Por Cht Wht Op Shp Vit Chalk No
 Odor No Stn No Flor NS

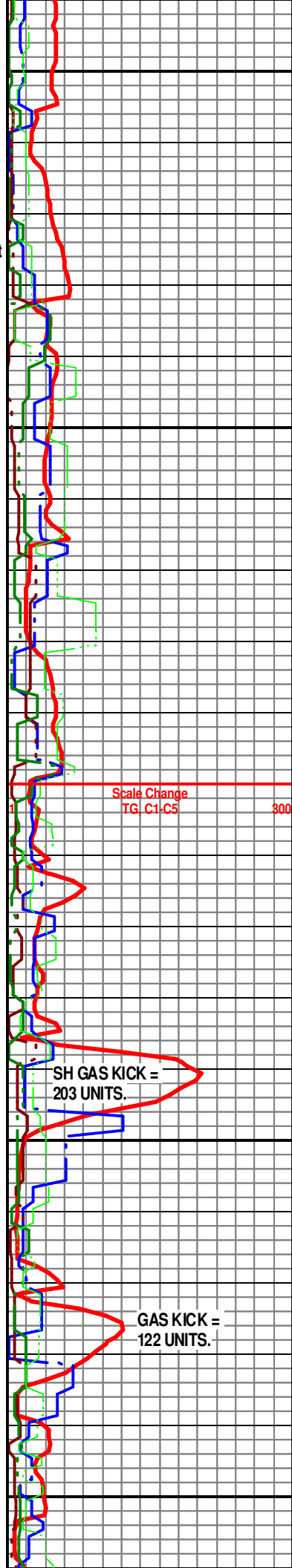
TORONTO 4257' (- 1427)

30" CFS @ 4298' Ls/Dolo Crm-Tan (w/Pyr Inklus) FxIn Dns Micrite Grad
 Fair-Med Sucrosic Por Grad Poor OOM Por Poor Leaching Barren Fos (Crin)
 Sh Blk Carb-Char Fissil No Flor Faint Odor No Stn ? NS

DOUGLAS 4278' (- 1448)

60" CFS @ 4298' Ls/Dolo Crm-Tan (w/Pyr Inklus) FxIn Dns Micrite Grad
 Fair-Med Sucrosic Por (w/SSG) Grad Poor OOM Por Poor-Fair Vug Leaching
 Barren Sh Blk Carb-Char Fissil No Flor Faint Odor No Stn SSG

LANSING 4308' (- 1478)



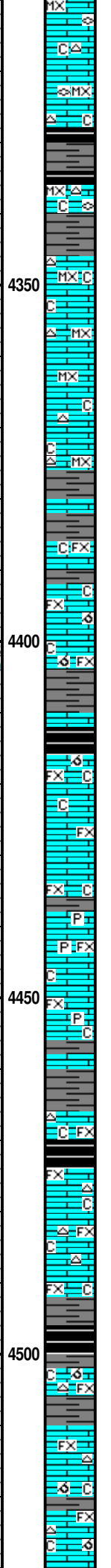
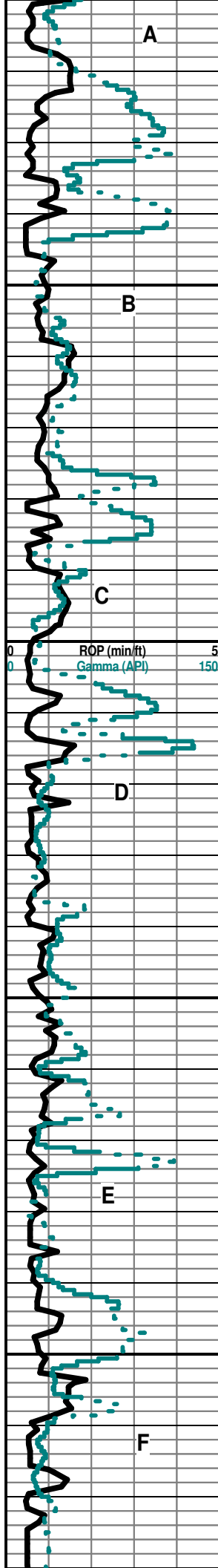
Scale Change
 TG C1-C5
 800

SH GAS KICK =
 203 UNITS.

GAS KICK =
 122 UNITS.

ROP (min/ft)
 Gamma (API)

CFS @ 4298'
 30"-60"



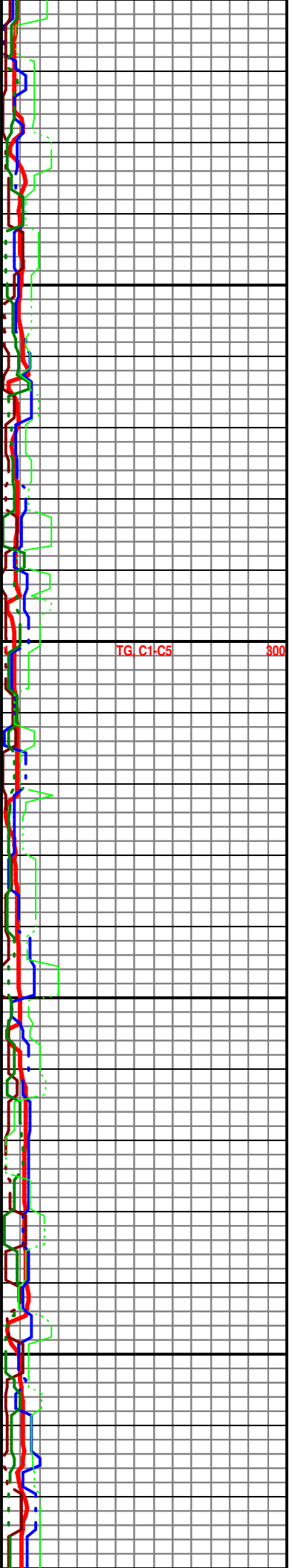
Ls Wht-Crm-Tan-Gry MicroIn Dns Micritic Barren Grad FxIn Poor Pin-Pt IxIn
Por Barren Cht Wht-Amber Op Shp Vit Chalk Sh Blk Carb- Char-Gry No
Odor No Stn No Flor

Ls Wht-Crm-Gry MicroIn Dns Micrite Barren Grad Poor IxIn Por Cht
Wht-Tan Op Shp Vit Chalk Sh Char-Gry-Blk Carb Soft- Fissil No Odor No Stn
No Flor NS

Ls Wht-Crm-Gry FxIn Micrite Barren Grad Fair-Med Pin-Pt IxIn Por Grad Poor
OOM Por Poor InterOOM Por Barren Chalk Abd Sh Char- Gry Fissil-Soft No
Odor No Stn No Flor NS

Ls Crm-Tan-Gry FxIn Dns Micrite Poor- IxIn Por Barren Pyr Mass Chalky Sh
Blk Carb-Char-Gry No Odor No Flor No Stn NS

Ls Tan-Crm-Gry FxIn Dns Micrite Poor IxIn Por Barren Cht Wht Op Shp Vit
Chalky Sh Blk Carb-Char-Gry Fissil No Odor No Flor No Stn NS



Ls Wht-Crm-Tan Fxln Med-Good OOM Por Poor-Fair InterOOM Por Barren
Chalk Abd Cht Wht-Tan Translu-Op Shp Vit Sh Blk Carb - Char-Gry
Fissil-Soft No Odor No Stn No Flor NS

Ls Wht Fxln Dns Micrite (w/Pyr Includ) Poor lxln Por Barren Grad Good
OOM Por Chalk Sh Blk Carb-Char-Gry Fissil-Soft y No Odor No Flor No Stn
NS

LANSING "G" 4590' (- 1760)

GAS KICK= 61
UNITS

TG C1-C5 300

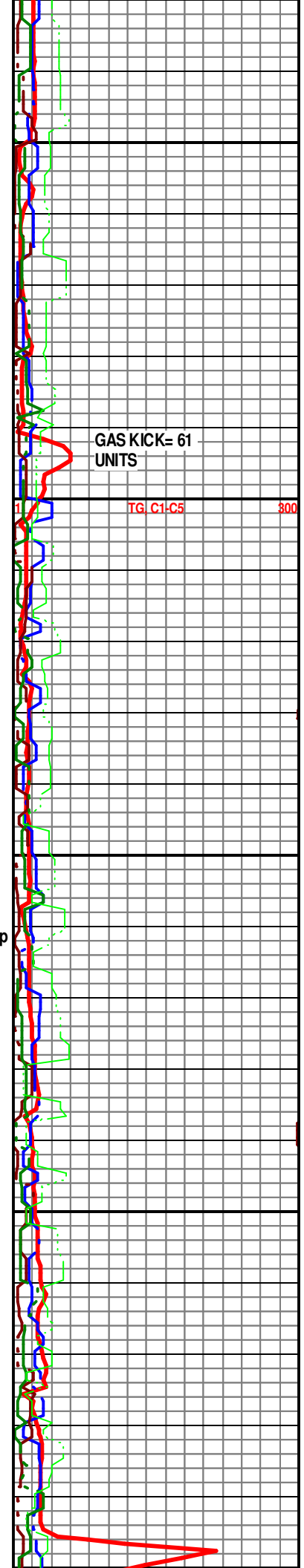
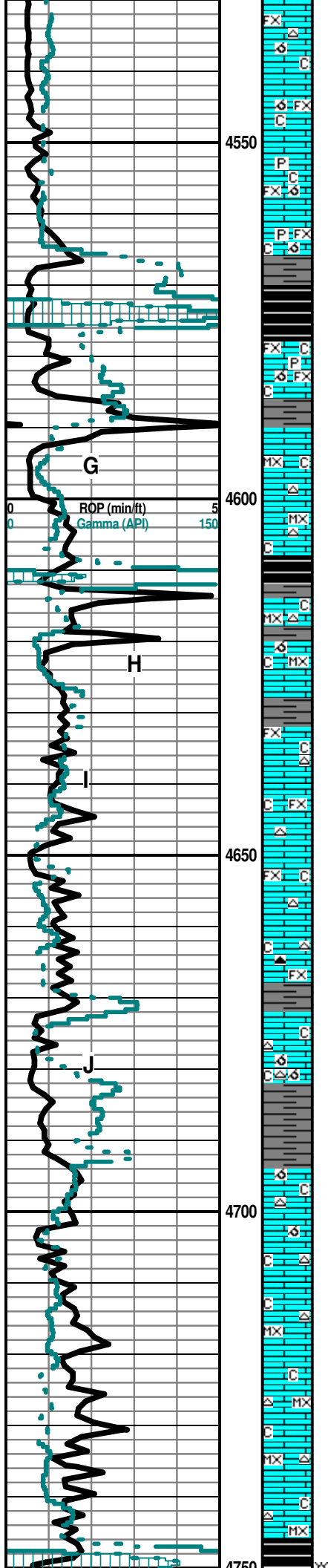
Ls Wht-Crm-Tan-Gry Microxln Dns Micrite Grad Fair lxln Por Barren Grad
Poor OOM Por Poor Develop Poor Leaching Cht Wht- Gry Transp-Op Shp
Vit Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS

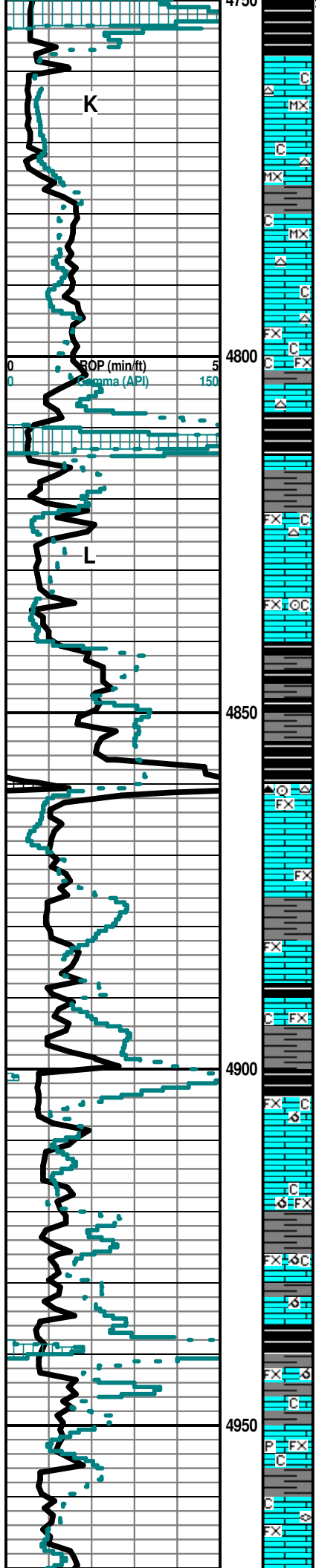
Ls Crm-Tan Fxln Soft Chalk V Abd Grad Dns Micrite Cht Wht- Smoky Gry Op
Shp Vit Sh Char Soft No Odor No Flor No Stn NS

Ls Crm-Tan Fxln Poor OOM Por Poor InterOOM Por Poor Dissolu Poor
Leaching Grad Dns Micrite Cht Wht Op Shp Vit Chalky Sh Blk
Carb-Char-Gry Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Tan-Gry Microxln Dns Micrite Cht Wht-Gry Translu-Op Shp Vit Chalky Sh Blk
Carb- Char-Gry Soft No Odor No Stn No Flor NS

STARK SHALE 4746' (- 1916)





KANSAS CITY "SWOPE" 4758' (- 1928)
KANSAS CITY "SWOPE Ø" 4761' (- 1931)

Ls Wht-Crm Fxln Poor Dns MicroIn Micrite Chalk Cht Wht-Gry Op Shp Vit
 Sh Char-Gry Fissil No Odor No Stn No Flor NS

HUSHPUCKNEY SHALE 4808' (- 1978)

Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS
KANSAS CITY "HERTHA (L)" 4820' (- 1990)

KANSAS CITY "HERTHA Ø" 4822' (-1992)

Sh Blk Carb-Char-Gry Fissil-Soft Ls Crm-Tan-Gry Fxln Dns Micrite Poor Ixln
 Por Barren Cht Wht-Drk Gry Translu-Op Shp Vit Fos (Crin) Chalky No Odor
 No Flor No Stn NS

Ls Crm-Wht-Tan Fxln Poor Ixln Por Micritic Dns Barren Grad Chalk Sh
 Char-Gry-Maroon-Aqua Soft-Fissil No Odor No Flor No Stn NS

MARMATON 4904' (- 2074)

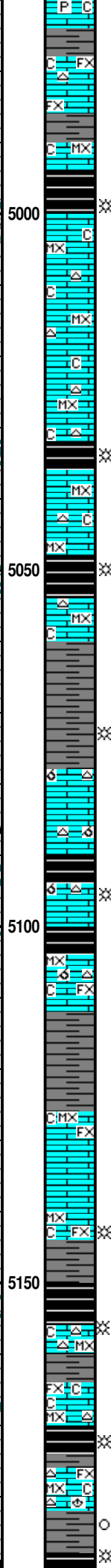
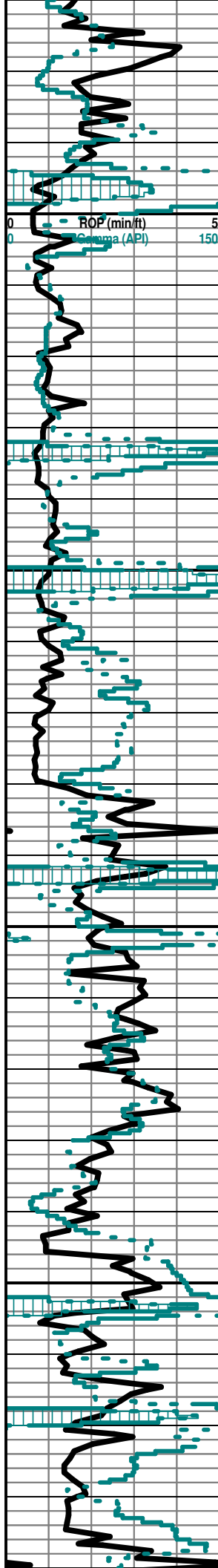
MARMATON "B" 4942' (- 2012)
 Ls Crm-Tan-Gry Fxln Poor Ixln Por Micritic Dns Barren Grad Fair-Med Vug
 OOM Por Fair Leaching Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No
 Stn NS

SH GAS KICK= 213
 UNITS

TG C1-C5 300

SH GAS KICK= 231
 UNITS

Mudco Ck @
 4916' @ 8:40 AM
 10/30/14
 Vis= 55;
 WT= 9.3#;
 PV= 17;
 YP = 18;
 WL = 8.8#;
 Cake= 1;
 Chl= 4,500 Ppm;
 Cal = 60;
 Sol = 6.8%
 LCM = 6#;
 DMC=\$4,823.40;
 CMC=\$20,403.90.



Ls Wht-Crm-Gry FxIn Poor IxIn Pin-Pt Por Micritic Dns Barren Cht Wht Translu-Op Shp Vit Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

BANDERA SHALE 4994' (- 2164)

PAWNEE 5000' (- 2170)

Ls Crm-Tan-Gry MicroIxIn Micrite Cht Amber-Wht Translu-Op Shp Vit Chalky Sh Blk Carb-Char No Odor No Flor No Stn NS

LABETTE SHALE 5032' (- 2202)

FORT SCOTT 5036' (-2206)

CHEROKEE SHALE 5048' (- 2218)

Sh Blk Carb Abd-Char-Gry Ls Wht-Crm-Tan-Gry MicroIxIn Micrite Grad FxIn Poor Pin-Pt IxIn Por Cht Amber-Wht Translu-Op Shp Vit Chalk No Odor No Flor No Stn NS

SECOND CHEROKEE SHALE 5090' (- 2260)

Sh Blk Carb-Char-Gry Fissil Ls Crm-Tan MicroIxIn-FxIn Poor IxIn Por Micritic Dns Barren Grad Poor OOM Por Cht Wht (w/Small OOid Inclus) Op Shp Vit Chalk Sh Char-Gry Fissil No Odor No Flor No Stn NS

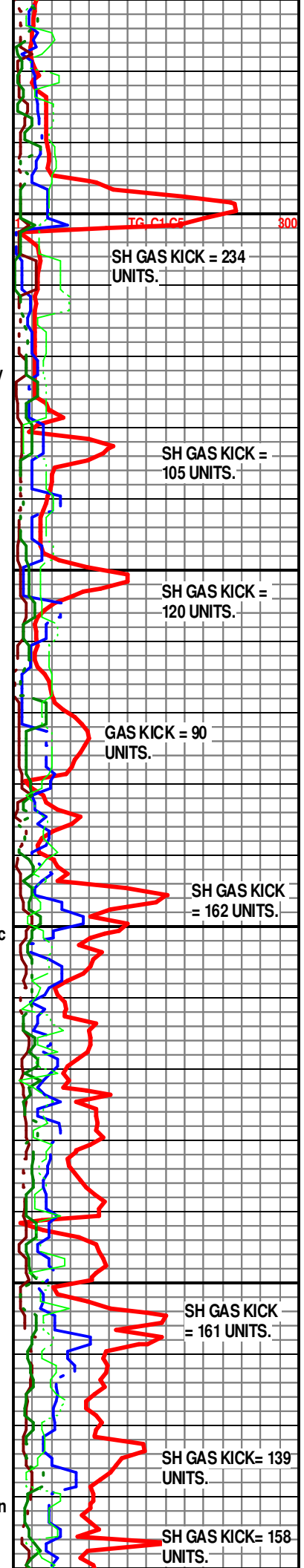
THIRD CHEROKEE SHALE 5144' (- 2314)

Sh Blk Carb-Char-Gry Fissil Ls Wht-Crm-Tan MicroIxIn-FxIn Poor IxIn Por Micritic Dns Barren Chalk Wht Soft No Odor No Flor No Stn NS

Begin 10' Sample Examination @ 5200'.

Sh Blk Carb-Char-Gry Fissil Ls Crm-Tan-Gry MicroIxIn-FxIn Poor IxIn Por Micritic Dns Barren Cht Wht Op Shp Vit Chalk No Odor No Flor No Stn NS

Ls Crm-Wht-Tan-Gry MicroIxIn-FxIn Poor IxIn Por Micritic Dns Grad Poor IxIn Por Barren Chalk Cht Amber-Wht (w Small OOids in pl) Translu-Op Shp Vit Fos (Brach) Sh Blk Carb-Gry Fissil Faint ? Odor No Flor No Stn NS



SH GAS KICK = 234 UNITS.

SH GAS KICK = 105 UNITS.

SH GAS KICK = 120 UNITS.

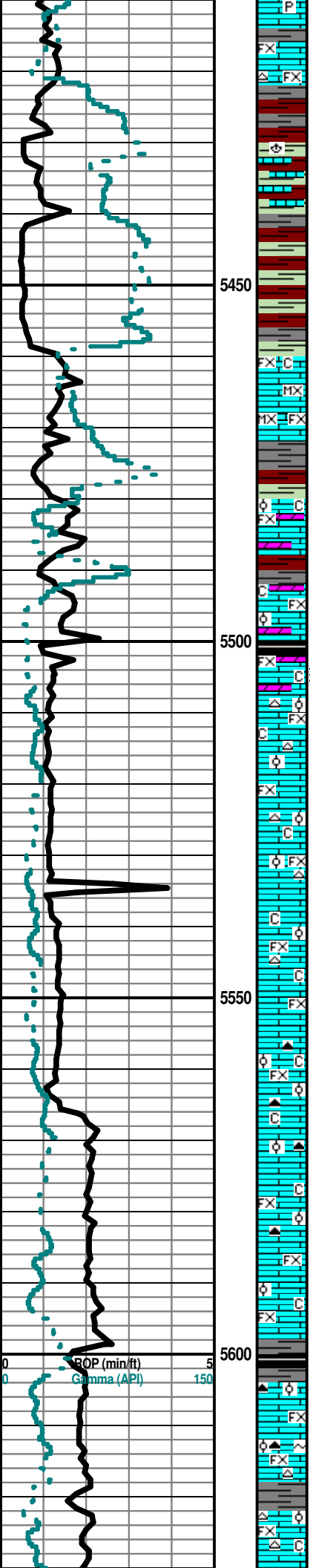
GAS KICK = 90 UNITS.

SH GAS KICK = 162 UNITS.

SH GAS KICK = 161 UNITS.

SH GAS KICK = 139 UNITS.

SH GAS KICK = 158 UNITS.



Sh Char- Gry-Grn-Blk Carb-Fissil Ls Wht-Fxn Dns Micrite Grad Fair Pin-Pt Ixn Por (w/Streaks Pyr Includ) Pyr Mass Abd No Odor No Flor NS

Sh Varicolored Maroon-Yell-Purp-Char-Blk Carb Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair Ixn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Varicolored Maroon-Yell-Purp-Char-Blk Carb Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair Ixn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Varicolored Maroon-Yell-Purp-Char-Blk Carb Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair Ixn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Varicolored Maroon-Yell-Purp-Char-Blk Carb Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair Ixn Por Barren Cht Amber Translu Vit Shp No Odor
LOWER CHESTER 5459' (-2629)

Sh AA Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA FxIn-MicroxIn Dns Micrite Barren Chalk No Odor No Stn No Flor NS

Sh Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA FxIn-MicroxIn Dns Micrite Barren Chalk No Odor No Stn No Flor NS

MISSISSIPPIAN "Ste. GEN" 5480' (- 2650)

Ls Wht-Lt Aqua (in Aqua CaCo3 Matrix) FxIn Poor OOL Por (w/V Small OOids in pl) "Sandy OOL Ls" Friable Grad Dolo Gry MicroxIn Dns Micritie Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS NS

Ls Wht-Gry (w/CaCo3 Matrix) FxIn Poor OOL Por (w/V Small OOids in pl) "Sandy OOL Ls" Friable Grad Dolo Gry MicroxIn Dns Micritie Chalk Sh Char-Blk Carb-Gry-Grn-Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS

Ls Wht-Gry FxIn Poor OOL Por (w/V Small OOids in pl) Friable Grad Gry MicroxIn Dns Micritie (w/Tr Gillsonitic Includ) "Dead" Cht Lt Tan Translu Shp Vit Chalk Sh Char-Blk Carb-Gry-Grn- Aqua-Maroon Soft- Fissil No Odor No Flor No Stn NS NS

SH GAS KICK = 101 UNITS.

Ls Wht-Lt Brn (in CaCo3 Matrix) FxIn Poor OOL Por (w/V Small OOids in pl) "Sandy OOL Ls" Friable Micritie (w/Tr Gillsonitic Includ) "Dead" Cht Lt Tan Translu Shp Vit Chalk Sh Varicolored Soft- Fissil No Odor No Flor No Stn NS

Ls Wht-Lt Brn AA FxIn Poor OOL Por Friable Micritie (w/Tr Gillsonitic Includ) "Dead" Cht Lt Tan Translu Shp Vit Chalk Sh Varicolored Soft-Fissil No Odor No Flor NS

Ls Wht-Lt Brn AA FxIn Poor OOL Por Friable Micritie (w/Tr Gillsonitic Includ) "Dead" Cht Lt Tan Translu Shp Vit Chalk Sh Varicolored Soft-Fissil No Odor No Flor NS

Ls Wht-Lt Brn AA FxIn Poor OOL Por Friable Micritie (w/Tr Gillsonitic Includ) "Dead" Cht Lt Tan Translu Shp Vit Chalk Sh Varicolored AA Fissil No Odor No Flor NS

Ls Wht-Lt Brn AA FxIn Poor OOL Por Friable Micritie Cht Peach-Lt Org Translu-Op Shp Vit Chalk Sh Varicolored Char-Blk Carb-Lt Gry-Yell-Aqua-Maroon Fissil No Odor No Flor NS

Ls Wht-Lt Brn AA FxIn Poor OOL Por Friable Micritie Cht Peach-Lt Org Translu-Op Shp Vit Chalk Sh Varicolored Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Flor NS

Ls Wht-Lt Brn AA FxIn Poor OOL Por Friable Micritie Cht Peach-Lt Org Translu-Op Shp Vit Chalk Sh Varicolored Char-Blk Carb-Lt Gry-Maroon Fissil No Odor No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor Ixn Por Dns Micrite Grad Poor InterOOL Por Friable Cht Peach-Lt Org Translu-Op Shp Vit Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor Ixn Por Dns Micrite Grad Poor InterOOL Por Friable AA Sh Char-Blk Carb-Lt Gry-Aqua-Red Fissil No Odor No Stn No Flor NS

MISS. "ST. LOUIS" POROSITY 5604' (- 2774)

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor Ixn Por Dns Micrite Grad Poor InterOOL Por (w/Small-Med OOids in pl) Friable "Sandy OOL Ls" Cht Wht-Org-Peach Translu-Op Shp Vit Sh Char-Blk Carb-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor Ixn Por Dns Micrite (w/Tr Glacu Includ) Grad Poor InterOOL Por (w/V Small-Med OOids in pl) Friable Cht Wht-Org- Peach Translu Shp Vit Sh Char-Blk Carb-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Poor OOL Por (w/Small-Med OOids in pl) Micritie Friable Cht Tan Op Shp Vit Chalk Sh Blk Carb-Char-Gry-Aqua Fissil No Odor No

TG C1-C5 300

5650

5700

5750

5800

Flor NS
 Ls Wht-Crm Fxln Poor OOL Por (w/Small-Med OOids in pl) Micritie (w/Tr 1 Pc Gillsonitic "Dead") Stn Friable Cht Tan Op Shp Vit Chalk Sh Blk Carb-Char-Gry-Aqua Fissil No Odor No Flor NS
 Ls Wht-Crm Fxln Poor OOL Por (w/Small-Med OOids in pl) Friable Micritie Cht Wht-Tan Op Shp Vit Chalk Sh Blk Carb-Char-Gry-Aqua Fissil No Odor No Flor No Stn NS
 Ls Wht-Crm Fxln Poor OOL Por (w/Small-Med OOids in pl) Micritie (w/Tr 1 Pc Gillsonitic "Dead") Stn Friable Cht Tan Op Shp Vit Chalk Sh Blk Carb-Char-Gry-Aqua Fissil No Odor No Flor NS
 Ls Wht-Crm Fxln Poor OOL Por (w/Small-Med OOids in pl) Friable Micritie Cht Wht-Tan Op Shp Vit Chalk Sh Blk Carb-Char-Gry-Aqua Fissil No Odor No Flor No Stn NS
 30" CFS @ 5700' Ls Wht-Crm Fxln Poor OOL Por (w/Small-Med OOids in pl) Friable Micritie Cht Wht-Tan Op Shp Vit Chalk Sh Blk Carb-Char-Gry-Aqua Fissil No Odor No Flor No Stn NS
 60" CFS @ 5700' Ls Wht-Crm Fxln Poor OOL Por (w/Small-Med OOids in pl) Friable Micritie (Tr/Chlorite Inklus) Cht Wht Op Shp Vit Chalk Sh Blk Carb-Char-Gry-Aqua Fissil No Odor No Flor No Stn NS
 75" CFS @ 5700' Ls Wht-Crm Fxln Poor OOL Por (w/Small-Med OOids in pl) Friable Micritie (w/Tr (1 Pc Gillsonitic "Dead") Stn Cht Lt Peach Translu-Op Shp Vit Chalk Sh Char-Gry-Red Soft- Fissil No Odor No Flor NS

Geologist Left Location at: 8:00 AM on 11/01/2014

Mudco Ck @
 5696' @ 12:15 PM
 10/31/14
 Vis= 48;
 WT= 9.2#;
 PV= 15;
 YP = 16;
 WL= 8.8#;
 Cake= 1;
 Chl= 3,700 Ppm;
 Cal = 40;
 Sol = 6.2%.
 LCM = 5#;
 DMC=\$2,410.50;
 CMC=\$22,814.40.

EXTRACTOR
 SUCTION
 LINE
 PLUGGED
 OFF.

CFS @ 5700'
 30" - 60" - 75"

R.T.D. = 5700' (-2870)

L.T.D. = 5700' (-2870)

ALLIED OIL & GAS SERVICES, LLC 061666

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Liberal Ks #1

| | | | | | | | |
|-------------------------|---------------|--------------------|------------------|--|-------------|--------------------------|--------------------------|
| DATE <u>10-27-14</u> | SEC. <u>8</u> | TWP. <u>30S</u> | RANGE <u>31W</u> | CALLED OUT | ON LOCATION | JOB START <u>12:00pm</u> | JOB FINISH <u>1:00pm</u> |
| LEASE <u>UMCC "A"</u> | | WELL # <u>2-17</u> | | LOCATION <u>McCublette Ks, 83d 190, 13 mi east on</u> | | COUNTY <u>Meade</u> | STATE <u>Ks.</u> |
| OLD OR NEW (Circle one) | | | | <u>190 to stop sign, 3 mi south, 3/4 east, north East into</u> | | | |

| | |
|------------------------------------|-------------------------|
| CONTRACTOR <u>Sterling #2</u> | OWNER |
| TYPE OF JOB <u>Surface</u> | |
| HOLE SIZE <u>12 1/4</u> | T.D. |
| CASING SIZE <u>8 5/8 24#</u> | DEPTH <u>1828.77</u> |
| TUBING SIZE | DEPTH |
| DRILL PIPE | DEPTH |
| TOOL | DEPTH |
| PRES. MAX | MINIMUM |
| MEAS. LINE | SHOE JOINT <u>40.93</u> |
| CEMENT LEFT IN CSG. <u>2.6 BBL</u> | |
| PERFS. | |
| DISPLACEMENT <u>114 BBL</u> | |
| EQUIPMENT | |

| | |
|---|--|
| PUMP TRUCK CEMENTER <u>Pesar D. Garcia</u> | |
| # <u>903-501</u> HELPER <u>Heriberto Valenzuela</u> | |
| BULK TRUCK | |
| # <u>956-841</u> DRIVER <u>Gregory Randall</u> | |
| BULK TRUCK | |
| # <u>774-744</u> DRIVER <u>Jose M Garcia</u> | |

REMARKS:

Thank you!

CHARGE TO: Mc Coy Petroleum
STREET _____
CITY _____ STATE _____ ZIP _____

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

PRINTED NAME Calvin Mikkelson
SIGNATURE [Signature]

| | | |
|---------------------------------------|---|----------------------------|
| CEMENT | AMOUNT ORDERED <u>675^{SR} Class A / 65/35/6' gel</u> | |
| | <u>3% CC, 1/4" Floseal,</u> | <u>200 SR Class A Neat</u> |
| | <u>3% CC, 1/4" Floseal</u> | |
| COMMON <u>200^{SR}</u> | @ <u>17.90</u> | <u>3580.00</u> |
| POZMIX | @ | |
| GEL | @ | |
| CHLORIDE <u>2326 #/p</u> | @ <u>1.10</u> | <u>2558.60</u> |
| ASC | @ | |
| <u>ALWA: Class A 675^{SR}</u> | @ <u>19.88</u> | <u>13,419.00</u> |
| <u>Floseal 219 #/p</u> | @ <u>2.97</u> | <u>650.43</u> |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| HANDLING | @ | |
| MILEAGE | | |
| | <u>7072.81</u> | TOTAL <u>22208.03</u> |

SERVICE

| | | |
|-------------------------------|----------------------|------------------------|
| DEPTH OF JOB | | |
| PUMP TRUCK CHARGE <u>1 @</u> | | <u>2213.75</u> |
| EXTRA FOOTAGE <u>LVM 40 @</u> | <u>4.40</u> | <u>176.00</u> |
| MILEAGE <u>HVM 40 @</u> | <u>7.70</u> | <u>308.00</u> |
| MANIFOLD <u>1 @</u> | <u>275.00</u> | <u>275.00</u> |
| <u>Handling 994.86 @</u> | <u>2.48</u> | <u>2466.00</u> |
| <u>Drayage 1671.86 @</u> | <u>2.75</u> | <u>4597.62</u> |
| | <u>2512.74 / 35%</u> | TOTAL <u>10,036.39</u> |

PLUG & FLOAT EQUIPMENT

| | | |
|----------------------------|---------------------|-----------------------|
| <u>Guide shoe 1 @</u> | <u>460.00</u> | <u>460.00</u> |
| <u>AFU insert, FV 1 @</u> | <u>447.00</u> | <u>447.00</u> |
| <u>Stop collar 1 @</u> | <u>56.00</u> | <u>56.00</u> |
| <u>Centralizer 5 @</u> | <u>75.00</u> | <u>375.00</u> |
| <u>Top rubber plug 1 @</u> | <u>131.00</u> | <u>131.00</u> |
| | <u>514.15 / 35%</u> | TOTAL <u>1,469.00</u> |

SALES TAX (If Any) _____
TOTAL CHARGES 31,713.42
DISCOUNT 11099.70 / 35% IF PAID IN 30 DAYS
Net 20,613.72

ALLIED OIL & GAS SERVICES, LLC 061671

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Liberal ks #21

| | | | | | | | |
|------------------------------------|----------------|--------------------|------------------|--|-------------|-----------------------------|------------------------------|
| DATE <u>11-2-14</u> | SEC. <u>17</u> | TWP. <u>30S</u> | RANGE <u>30W</u> | CALLED OUT | ON LOCATION | JOB START <u>2:30 AM</u> | JOB FINISH <u>3:30 AM</u> |
| LEASE <u>UICC A</u> | | WELL # <u>2-77</u> | | LOCATION <u>sublette ks. 83rd 190 CR, 13 mi East</u> | | COUNTY <u>McCook</u> | STATE <u>KS</u> |
| OLD OR NEW (Circle one) <u>NEW</u> | | | | <u>once 190 to stop sign, 1/4 mi south in 190</u> | | | |

| | |
|---|---|
| CONTRACTOR <u>Sterling #2</u> | OWNER |
| TYPE OF JOB <u>Production</u> | |
| HOLE SIZE <u>7 7/8</u> T.D. <u>5700</u> | CEMENT |
| CASING SIZE <u>5 1/2</u> DEPTH <u>5693.26</u> | AMOUNT ORDERED <u>225 SK Class A, 6 NCI</u> |
| TUBING SIZE _____ DEPTH _____ | <u>5.5" gypsum, 27 gel, 5" Koval, 0.5" EI-100</u> |
| DRILL PIPE _____ DEPTH _____ | <u>5.0 SK 60/40/44 gel</u> |
| TOOL _____ DEPTH _____ | COMMON _____ @ _____ |
| PRES. MAX _____ MINIMUM _____ | POZMIX _____ @ _____ |
| MEAS. LINE _____ SHOE JOINT <u>42.12</u> | GEL _____ @ _____ |
| CEMENT LEFT IN CSG. <u>1 BBL</u> | CHLORIDE _____ @ _____ |
| PERFS. _____ | ASC _____ @ _____ |
| DISPLACEMENT <u>134.5 BBL</u> | |

EQUIPMENT

| |
|--|
| PUMP TRUCK CEMENTER <u>Cesar Garcia</u> |
| # <u>530-484</u> HELPER <u>Heriberto Velazquez</u> |
| BULK TRUCK |
| # <u>562-508</u> DRIVER <u>Gregory Randall</u> |
| BULK TRUCK |
| # _____ DRIVER _____ |

| | |
|--|-----------------|
| <u>LC 5000</u> <u>10%</u> @ <u>225.00</u> | <u>2250.00</u> |
| <u>A. 60/40/44" class A 50 SK</u> @ <u>18.92</u> | <u>946.00</u> |
| <u>A.S.A. Class A 225 SK</u> @ <u>23.50</u> | <u>5,287.50</u> |
| <u>Ebl Seal 1125 SK</u> @ <u>0.98</u> | <u>1,102.50</u> |
| <u>EI-100 106 SK</u> @ <u>18.90</u> | <u>2,003.40</u> |

REMARKS:

| | |
|------------------------------|------------------------|
| HANDLING _____ @ _____ | |
| MILEAGE <u>3474.82 / 30%</u> | TOTAL <u>11,589.40</u> |

SERVICE

| | |
|------------------------------------|-----------------------|
| <u>Manifold 1 @</u> <u>275.00</u> | <u>275.00</u> |
| PUMP TRUCK CHARGE | <u>3099.25</u> |
| EXTRA FOOTAGE LVM <u>40 @ 4.40</u> | <u>176.00</u> |
| MILEAGE Hum <u>40 @ 7.70</u> | <u>308.00</u> |
| <u>Circulation 1 @ 400.00</u> | <u>400.00</u> |
| Handling <u>349.72 @ 2.48</u> | <u>867.30</u> |
| Drainage <u>595.78 @ 2.75</u> | <u>1,638.40</u> |
| Add Hours <u>4 hr @ 440.00</u> | <u>1,760.00</u> |
| <u>2557.19 / 30%</u> | TOTAL <u>8,523.95</u> |

PLUG & FLOAT EQUIPMENT

| | |
|--------------------------------------|----------------|
| <u>AFU Flapper F shoe 1 @ 545.00</u> | <u>545.00</u> |
| <u>Catch Down plug 2 @ 660.00</u> | <u>1320.00</u> |
| <u>turbolizer 8 @ 95.00</u> | <u>760.00</u> |

| | |
|----------------------|-----------------------|
| <u>1909.19 / 30%</u> | TOTAL <u>6,363.95</u> |
|----------------------|-----------------------|

CHARGE TO: McCoy Petroleum
STREET _____
CITY _____ STATE _____ ZIP _____

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

PRINTED NAME Calvin Mikkelsen

SIGNATURE [Signature]

SALES TAX (If Any) _____
TOTAL CHARGES 26,477.30
DISCOUNT 7,943.19 / 30% IF PAID IN 30 DAYS

Net - 18,534.11

Thank you!