



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  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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## Summary of Changes

Lease Name and Number: KOEHN "E" 1-20

API/Permit #: 15-119-21383-00-00

Doc ID: 1321279

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	02/10/2015	11/03/2016
Completion Or Recompletion Date	1/9/2015	07/26/2016
Date of First or Resumed Production or SWD or Enhr	1/9/2015	7/26/2016
Fracturing Question 1	No	Yes
Fracturing Question 2		No
Liner Run?		No
Method Of Completion - Perf	No	Yes
Perf_Depth_1		5245
Perf_Depth_2		5349

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Perf_Depth_3		5349
Perf_Material_1	Pending Completion	AC: 1500gals 15%MCA and 2000gals 15% NE- FE.
Perf_Material_2		AC: 500gals 15%MCA
Perf_Material_3		425,000gals 70Q N2, 487,000# Sand, Total Load:3548bbbls,
Perf_Record_1	Waiting for better economics	Chester B1=5386-5397, Chester B2=5362-5382
Perf_Record_2		Atoka=5319-5323
Perf_Record_3		Nitrogen Frac: Chester & Atoka
Perf_Shots_1	0	4
Perf_Shots_2		4
Producing Method Other	Yes	No
Producing Method Other Detail	Pending Completion	
Producing Method Pumping	No	Yes
Production - Barrels Oil		43

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Production - Barrels of Water		43
Production Interval #1	Pending Completion	Chester: 5362-5397
Production Interval #2		Atoka: 5319-5323
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1241649	../../../../kcc/detail/operatorEditDetail.cfm?docID=1321279
Tubing Packer At		None
Tubing Set At		5292
Tubing Size		2.375



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1241649  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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

**CONFIDENTIAL** 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
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API No. 15 - \_\_\_\_\_

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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: \_\_\_\_\_

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<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
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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:	
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Form	ACO1 - Well Completion
Operator	McCoy Petroleum Corporation
Well Name	KOEHN "E" 1-20
Doc ID	1241649

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
0	Waiting for better economics	Pending Completion	



KOEHN "E" #1-20  
API: 15-119-21383

ACO-1 Supplemental Information

**SAMPLE TOPS**

**McCoy Petroleum Corp.**

Koehn 'E' #1-20

C SW SE

660'FSL & 1980'FEL

Sec 20-30s-30w

KB: 2821'

	Depth	Datum
Heebner	4252	-1431
Toronto	4270	-1449
Lansing	4324	-1503
Lansing G	4614	-1793
Stark	4765	-1944
Swope Pors.	4774	-1953
Hushpuckney	4829	-2008
Hertha Pors.	4842	-2021
Marmaton	4927	-2106
Pawnee	5021	-2200
Ft Scott	5058	-2237
Cherokee	5068	-2247
Atoka	5300	-2479
Morrow Sh.	5348	-2527
Chester	5356	-2535
St Genevieve	5516	-2695
St Louis	NDE	NDE
RTD	5600	-2779

**LOG TOPS**

**McCoy Petroleum Corp.**

Koehn 'E' #1-20

C SW SE

660'FSL & 1980'FEL

Sec 20-30s-30w

KB: 2821'

	Depth	Datum
Heebner	4249	-1428
Toronto	4268	-1447
Lansing	4316	-1395
Lansing G	4610	-1789
Stark	4763	-1942
Swope Pors.	4772	-1951
Hushpuckney	4828	-2007
Hertha Pors.	4843	-2022
Marmaton	4922	-2101
Pawnee	5020	-2199
Ft Scott	5054	-2233
Cherokee	5068	-2247
Atoka	5298	-2477
Atoka Sand	5318	-2497
Morrow Sh.	5346	-2525
Chester	5363	-2542
Chester 'B2'	5363	-2542
Chester 'B1'	5385	-2564
Chester 'A'	5426	-2605
St Genevieve	5528	-2707
St Louis	NDE	NDE
LTD	5600	-2779



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

**Well Name:** KOEHN "E" #1-20  
**API:** # 15 - 119 - 21,383 - 00 - 00  
**Location:** SW-SE of Sec. 20 - T. 30 S. - R. 30 W.  
**License Number:** KCC # 5003  
**Spud Date:** 12/27/2014  
**Surface Coordinates:** SPOT: 660' FSL & 1980' FEL

**Region:** MEADE CO., KS.  
**Drilling Completed:** 01/03/2015

**Bottom Hole  
Coordinates:**  
**Ground Elevation (ft):** 2810'      **K.B. Elevation (ft):** 2821'  
**Logged Interval (ft):** 697'      **To:** 5600'      **Total Depth (ft):** 5600'  
**Formation:** MISSISSIPPIAN " STE. GEN"  
**Type of Drilling Fluid:** CHEMICAL/POLYMER/GEL & MUD DISPLACEMENT @ 2874'.

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://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 5:15 pm on 12/27/14. Drilled 12-1/4" to 692'. Ran 16 joints of new 24#, 8-5/8" casing. Tallied Set at 692' KB. Welded straps on shoe, bottom 3 joints and top 2 joints. Tacked collars on the remainder. 676.56' (3) Centralizers on joints 2-5-14. Cemented with 180 sks 65/35 POZ; 6% Gel; 3% CC; 1/4# FS. Tailed with 200 sks Class A; 3% CC; 1/4# FS. Cement did not circulate. Plug down at 12:00 pm on 12/28/14. Ran 120' of 1" tubing down annulus and cemented with 200 sks Class A, 3% CC, 1/4#v FS. Cemented to cellar. Allied Cementing ticket #064584. Cement did hold at ground level.

**Deviation Survey's Taken:** @ 697' = 3/4 degree; @ 5600' = 2 degrees.

**DSTs**

None Taken.


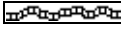
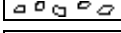

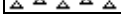
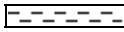









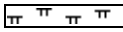


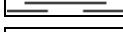
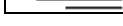
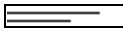


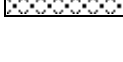
## Comments

After review of all geologic samples as examined and analysis from the electric logs run, it was determined by all parties that 4 1/2" production casing should be run in order to further evaluate this well.

































































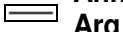









Respectfully submitted,

David P. Williams, P. G # 88 Kansas

























## 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
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## ACCESSORIES

<b>MINERAL</b>  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	<b>FOSSIL</b>  Algae  Amph	 Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Fuss  Gastro  Oolite  Oomold  Ostra  Pelec	 Pellet  Pisolite  Plant  Strom	<b>TEXTURE</b>  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
			<b>STRINGER</b>  Anhy  Arg  Bent  Coal  Dol  Grysh  Gyp  Ls  Mrst  Sltstrg  Ssstrg		

## OTHER SYMBOLS

<b>POROSITY</b>  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint	 Vuggy	<b>SORTING</b>  Well  Moderate  Poor	<b>ROUNDING</b>  Rounded  Subrnd  Subang  Angular	 Even  Spotted  Ques  Dead	<b>EVENT</b>  Rft  Sidewall
			<b>OIL SHOW</b>  Gas show	<b>INTERVAL</b>  Core  Dst	

Curve Track 1

ROP (min/ft) ———  
Gamma (API) - - - - -

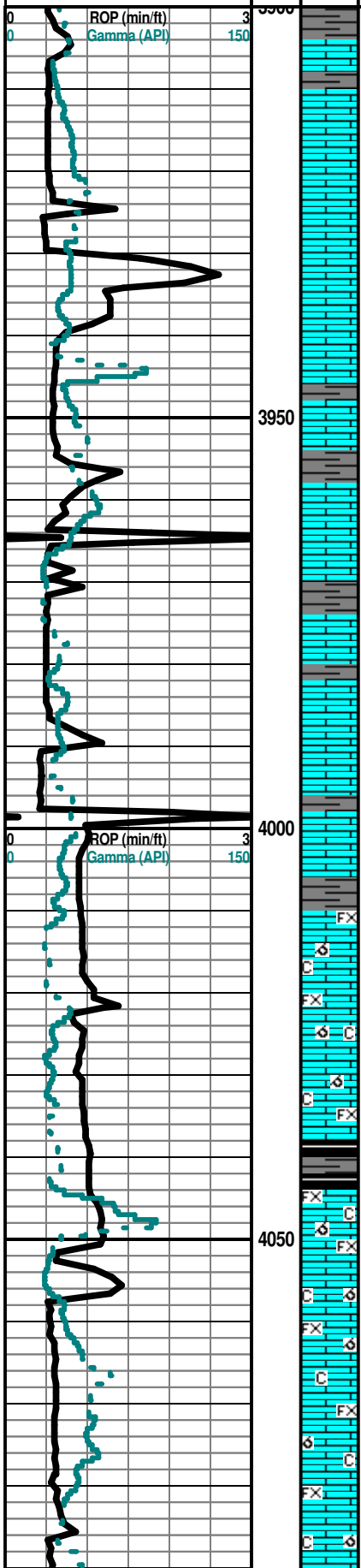
Depth (ft)

Oil Shows

Geological Descriptions

TG, C1-C5

TG (Units) ———  
C1 (units) - - - - -  
C2 (units) - - - - -  
C3 (units) - - - - -  
C4 (units) - - - - -



**McCOY PETROLEUM CORPORATION  
KOEHN "E" # 1-20**

**SPOT: 660' FSL & 1980' FEL  
SW - SE**

**Sec. 20 - T. 30 S. - R. 30 W.  
MEADE COUNTY, KANSAS**

**A.P.I. # 15 - 119 - 21,383 - 00 - 00  
ELEVATION : 2821' K. B. ; 2810' G. L.**

**CONTRACTOR: STERLING DRILLING - RIG # 2**

**GEOLOGIST: David P. Williams, P. G.**

Geologist on location at 3315' @ 5:25 PM 12-30-14

STONE CORRAL ANHYDRITE SAMPLE TOP = 1754' (+1067).

STONE CORRAL ANAYDRITE SAMPLE BASE = 1763' (+1058).

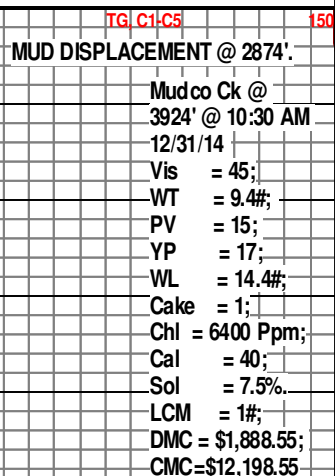
Deviation Survey's Taken: @ 697' = 3/4 degree; @ 5600' = 2 degrees.

Note: All samples have been lagged to depth by calculated time.

Begin 31' Sample Examination @ 4052'.

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

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



MUD DISPLACEMENT @ 2874'.

Mudco Ck @  
3924' @ 10:30 AM  
12/31/14

Vis = 45;  
WT = 9.4#;  
PV = 15;  
YP = 17;  
WL = 14.4#;  
Cake = 1;  
Chl = 6400 Ppm;  
Cal = 40;  
Sol = 7.5%  
LCM = 1#;  
DMC = \$1,888.55;  
CMC = \$12,198.55

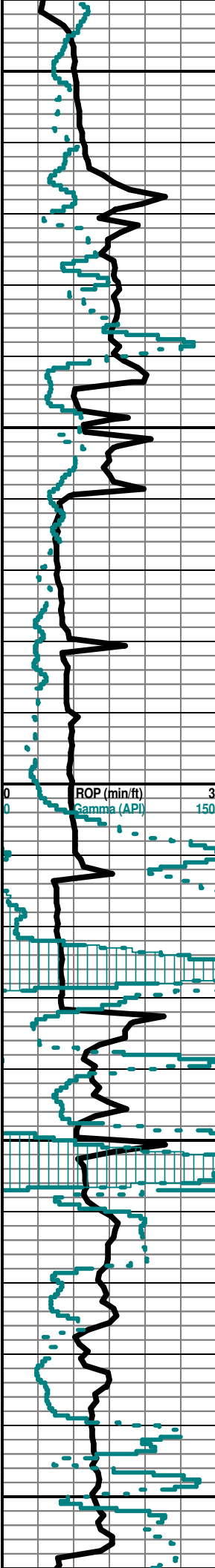
4100

4150

4200

4250

4300



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

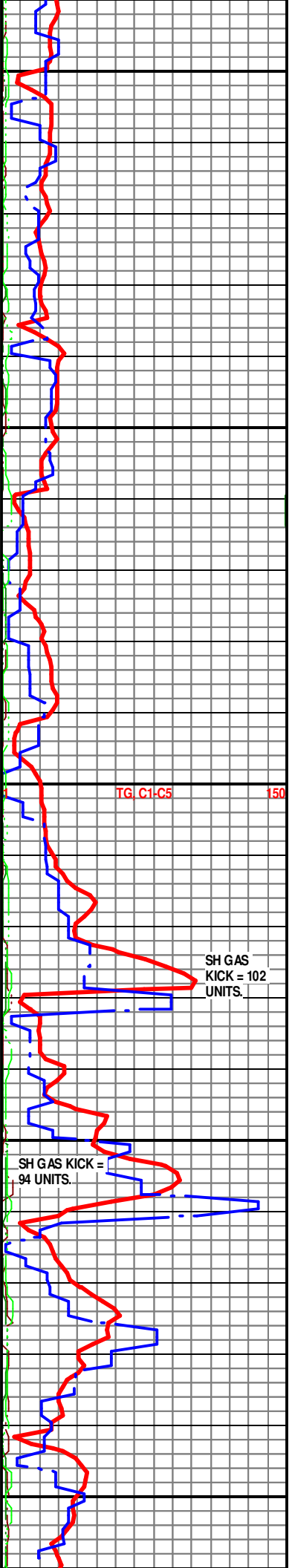
Ls Wht-Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk (V Abd)  
 Sh Blk Carb-Char-Gry-Drk Gry Soft No Odor No Stn No Flor NS

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

Sh Blk Carb-Char-Gry (w/Pyr Inklus) Fissil Ls Wht-Crm-Gry FxIn Dns Micrite  
 Chalk No Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry (w/Pyr Inklus) Fissil Ls Wht-Crm-Gry FxIn Dns Micrite  
 Chalk No Odor No Stn No Flor NS

Sh Char-Gry Soft-Fissil Ls Wht-Crm-Gry FxIn Dns Micrite Grad Pin-Pt IxIn  
 Por Cht Amber-Wht Op Shp Vit Chalk (V Abd) No Odor No Stn No Flor NS

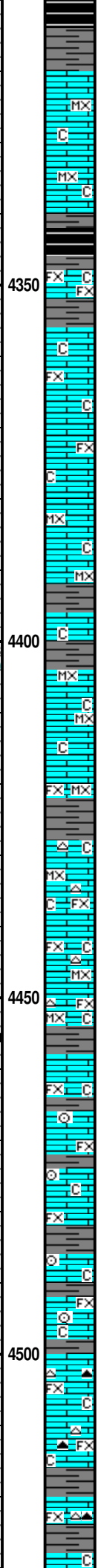
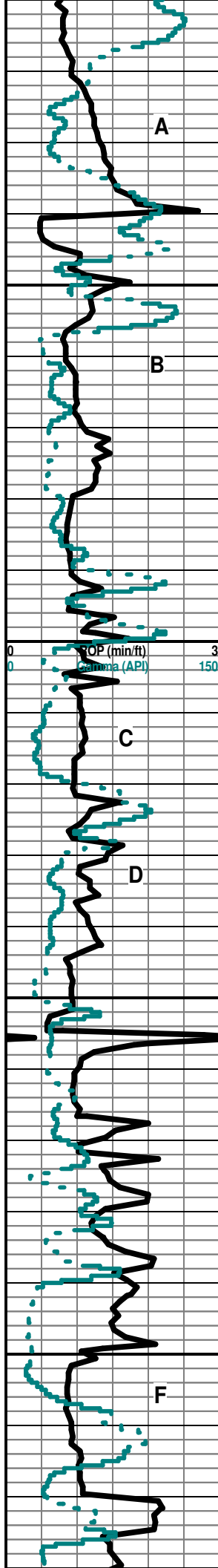


HEEBNER 4252' (- 1431)

TORONTO 4270' (- 1449)

DOUGLAS 4292' (- 1471)

LANSING 4320' (- 1199)



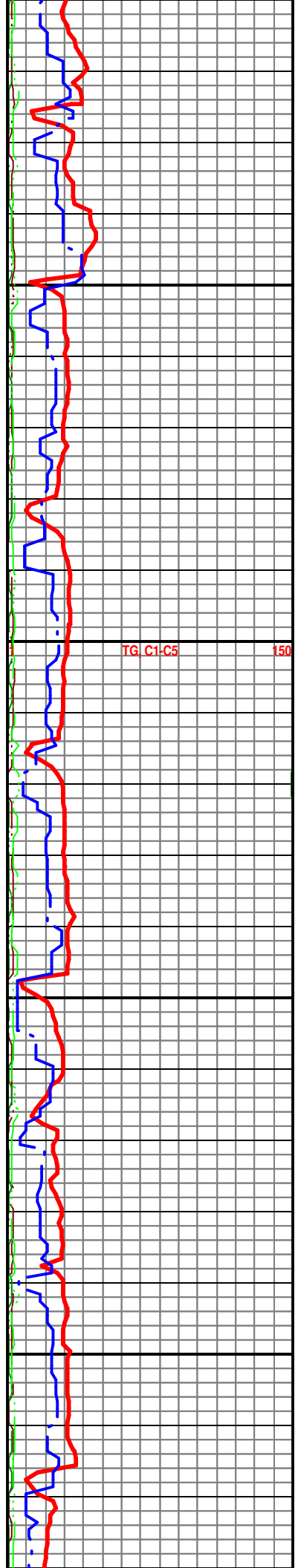
Ls Wht-Gry MicroxIn-FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Chalk (V Abd) Sh Blk Carb-Char-Gry Fissil Soft No Odor No Stn No Flor NS

Ls Wht-Crm MicroxIn Dns Micrite Barren Grad Poor IxIn Por Chalk (Abd) Sh Char-Gry Soft- Fissil No Odor No Stn No Flor NS

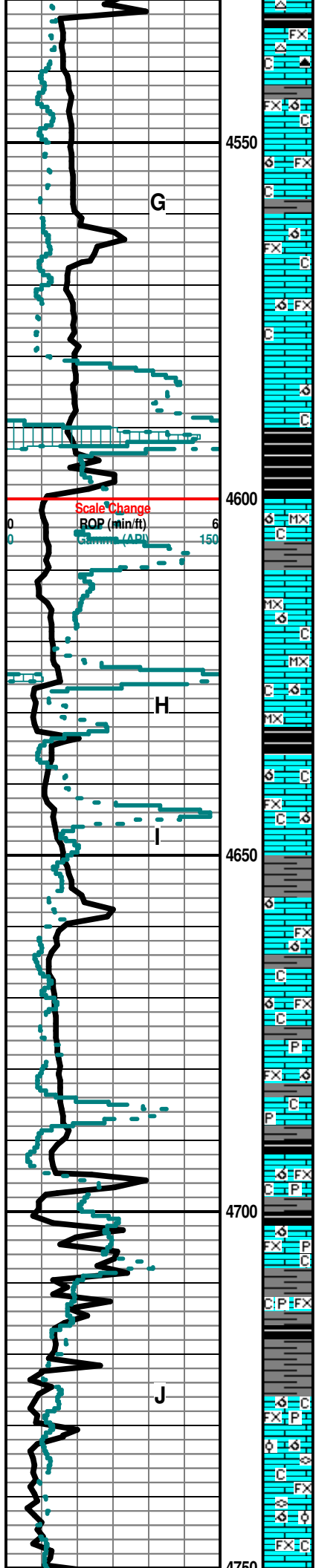
Ls Wht-Crm MicroxIn Dns Micrite Barren Grad Poor IxIn Por Chalk (Abd) Sh Char-Gry Soft- Fissil No Odor No Stn No Flor NS

Ls Crm-Gry MicroxIn-FxIn Micrite Barren Barren Cht Amber-Tan- Gry Translu Shp Vit Chalk (V Abd) Sh Char-Gry-Blk Carb Fissil-Soft No Odor No Stn No Flor NS

Ls Crm-Tan-Gry FxIn Dns Micrite Barren Cht Amber Translu Shp Vit Fos (Crin) Pyr Mass Chalky (Abd) Sh Char-Drk Gry No Odor No Flor No Stn NS







Ls Wht-Crm-Gry FxIn Dns Micrite Barren Cht Wht-Dk Gry Translu- Op Shp Vit Chalk (V Abd) Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Stn No Flor NS

Ls Tan-Wht-Crm FxIn Poor OOM Por Poor InterOOM Por Barren Chalk (V Abd) Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry Fissil-Soft Ls Wht-Crm-Tan FxIn Dns Micrite Grad Med-Poor OOM Por Barren Poor InterOOM/OOL Por Poor Dissolu Cht Wht Op Shp Vit Chalk (V Abd) No Odor No Flor No Stn NS

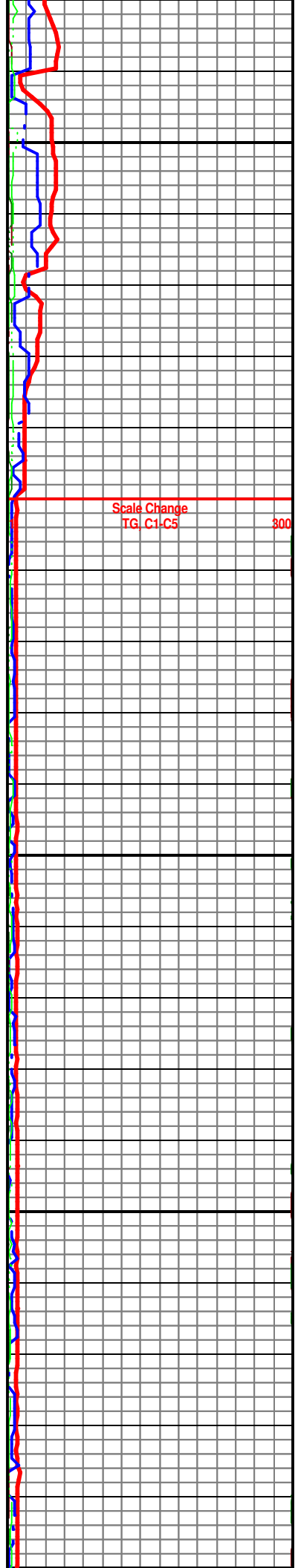
LANSING "G" 4610' (- 1789)

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

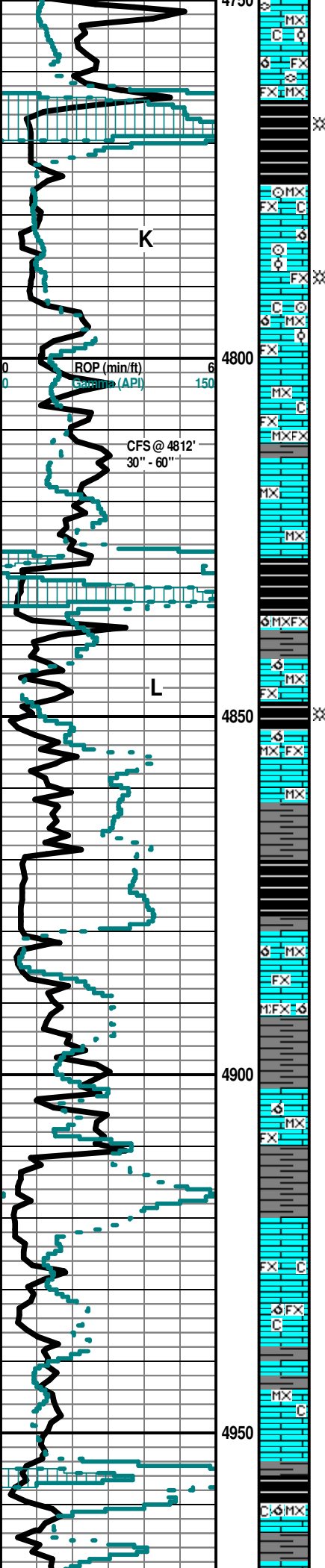
Ls Wht-Crm FxIn Dns Micrite Poor IxIn Por Barren Grad Med OOM Por AA Barren Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS

Ls Crm-Tan FxIn Dns Micrite Poor IxIn Por Barren Grad Poor OOM Por Barren Grad Poor Ppt IxIn Por (w/Pyr Inclus) Chalk V Abd Sh Blk Carb-Char Soft No Odor No Flor No Stn NS

Sh Blk Carb-Char Soft-Fissil Ls Crm-Tan FxIn Dns Micrite Poor IxIn Por Barren Grad Poor OOM Por Barren Grad Poor Ppt IxIn Por (w/Pyr Inclus) Chalk V Abd No Odor No Flor No Stn NS



Scale Change TG, C1, C5 800



30" CFS @ 4812' Ls Wht-Crm MicroxIn Dns Micrite Grad FxIn Poor OOM Por (w/Small OOids in pl) Poor Leaching Poor Develop Barren Cht Gry Op Shp Vit Fos (Fuss) Chalk (Abd) Sh Char-Gry Fissil No Odor No Stn No Flor NS

**STARK SHALE 4765' (- 1944)**

**KANSAS CITY "SWOPE" 4776' (- 1955)**

60" CFS @ 4812' Ls Wht-Crm MicroxIn Dns Micrite Grad FxIn Poor OOM Por (w/Small OOids in pl) Poor Leaching Poor Develop Barren Cht Gry Op Shp Vit Fos (Crin) Chalk (Abd) Sh Blk Carb-Char-Gry Fissil ? Faint Odor No Stn No Flor NS

Ls Crm-Tan MicroxIn Dns Micrite (w/Pyr Inclus) Grad Poor Ppt lXIn Por Barren Cht Wht-Gry (Banded) Translu-Op Shp Vit Sh Blk Cab-Char Fissil No Odor No Stn No Flor NS

**HUSHPUCKNEY SHALE 4829' (- 2008)**

**KANSAS CITY "HERTHA (L)" 4837' (- 2016)**

**KANSAS CITY "HERTHA Ø" 4842' (-2021)**

Sh Blk Carb-Char-Gry Fissil-Soft Ls Wht-Crm-Gry FxIn Dns Mostly Micrite Poor lXIn Por Barren Grad Fair-Med OOM Por Poor-Fair InterOOM Por Poor Leaching Fair Develop AA Cht Wht-Gry Translu-Op Shp Vit Chalky No Odor No Flor No Stn NS

**BASE KANSAS CITY 4864' (- 2043)**

Sh Blk Carb-Char-Gry Fissil Ls Wht-Crm-Tan-Gry MicroxIn-FxIn Micritic Barren Cht Wht-Tan-Gry Op Shp Vit No Odor No Flor No Stn NS

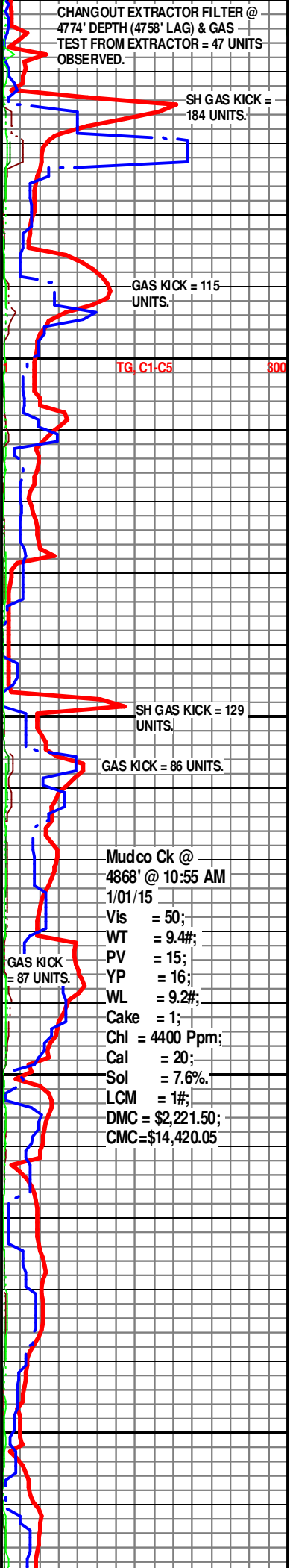
Sh Char-Gry Fissil (Abd) Ls Wht-Crm-Tan-Gry MicroxIn Dns Micritic Barren Grad FxIn Poor-Fair OOM Vug Por Poor Leaching Cht Wht-Tan-Gry Op Shp Vit No Odor No Flor No Stn NS

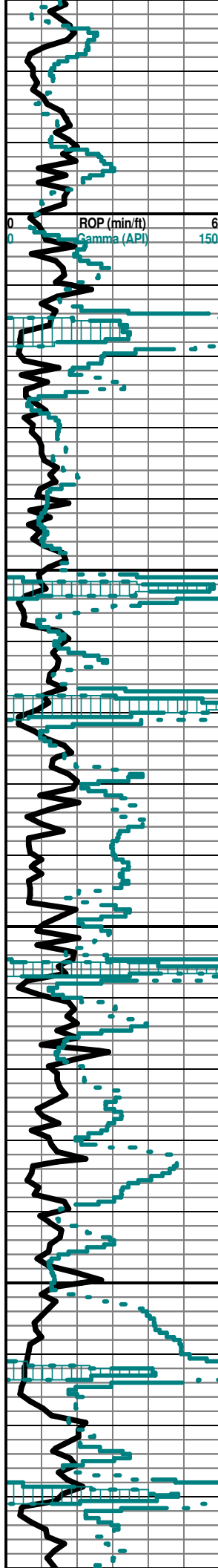
**MARMATON 4922' (- 2101)**

Ls Crm-Wht-Tan-Gry FxIn Poor lXIn Por Micritic Dns Barren Grad Fair-Med OOM Vug Por Chalky Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

**MARMATON "B" 4960' (- 2139)**

Ls Wht-Crm MicroxIn Dns Micritic Barren Grad FxIn Ppt lXIn Por Grad Poor OOM Por Poor Develop Poor Dissolu Chalk Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS





5000  
5050  
5100  
5150



Ls Wht-Crm MicroIn Dns Micritic Barren Cht Amber Translu Shp Vit Chalk  
Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

**BANDERA SHALE 5016' (- 2195)**

**PAWNEE 5021' (- 2200)**

Sh Blk-Carb-Char-Gry Soft-Fissil Ls Wht-Crm-Gry Fxln Poor Ixln Pin-Pt Por  
Micritic Dns Barren Cht Wht-Peach Translu-Op Shp Vit Chalk No Odor No  
Flor No Stn NS

**LABETTE SHALE 5050' (- 2229)**

**FORT SCOTT 5056' (-2235)**

Sh Blk Carb-Char-Gry Soft-Fissil Ls Wht-Gry Fxln Dns Micritic Barren Grad Poor Ixln Ppt Por  
Chalk Pyr Mass No Odor No Flor No Stn NS

**CHEROKEE SHALE 5068' (- 2247)**

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

**SECOND CHEROKEE SHALE 5106' (- 2285)**

Ls Crm-Wht-Tan Fxln Poor Ixln Por Micritic Dns Barren Cht Wht Translu-Op  
Shp Vit Chalk (V Abd) Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

**THIRD CHEROKEE SHALE 5154' (- 2333)**

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

TG C1-C5

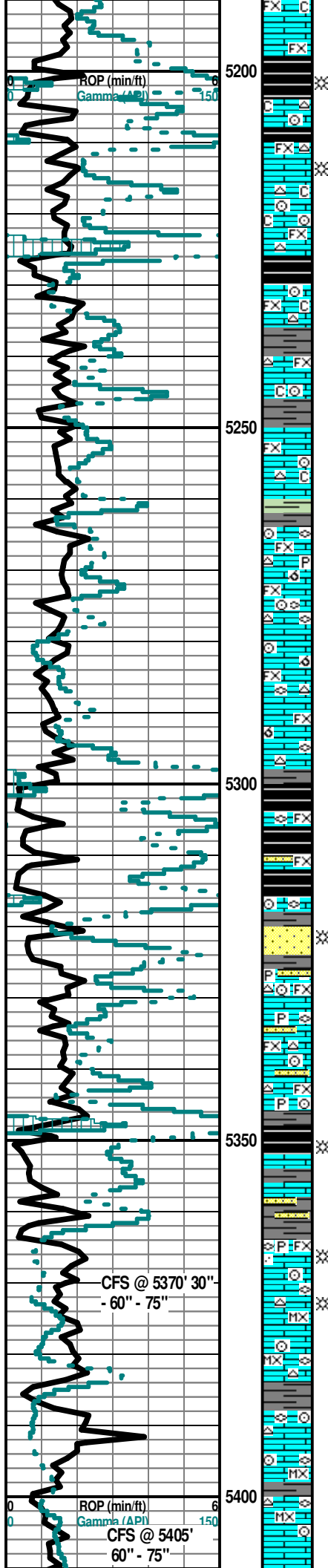
300

SH GAS KICK =  
175 UNITS.

SH GAS KICK =  
178 UNITS.

SH GAS KICK =  
176 UNITS.

SH GAS KICK =  
127 UNITS.



Ls Crm-Wht-Tan FxIn Por Micritic Dns Barren Cht Wht Translu-Op Shp Vit Chalk (V Abd) Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Cht Tan-Gry Translu-Op Shp Vit Fos (Crin) Sh Char-Gry-Tr Blk Carb-Aqua Fissil No Odor No Flor No Stn NS

**Begin 10' Sample Examination @ 5300'.**

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Cht Tan-Gry Translu-Op Shp Vit Fos (Crin) Sh Char-Gry-Tr Blk Carb- Aqua Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Grad Poor OOM Por Cht Wht-Gry (w/ Fos (Fuss) Includ) Translu-Op Shp Vit Fos (Crin, Fuss) Pyr Mass Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Grad Poor OOM Por Cht Wht-Gry (w/ Fos (Fuss) Includ) Translu-Op Shp Vit Fos (Crin, Fuss) Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Grad Poor OOM Por Cht Wht-Gry (w/ Fos (Fuss) Includ) Translu-Op Shp Vit Fos (Crin, Fuss) Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Dns Micritic Grad Poor Ppt Pt IxIn Por Grad Poor OOM Por Cht Wht-Gry (w/ Fos (Fuss) Includ) Translu-Op Shp Vit Fos (Crin, Fuss) Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

**ATOKA SHALE 5298' (- 2477)**

Sh Blk Carb-Char (w/Pyr Includ)-Gry Fissil Ls Wht-Crm-Gry Microxn-FxIn Dns Micrite Grad Poor Ppt IxIn Por Fos (? Fuss) Chalky No Odor No Flor No Stn NS

Sh Blk Carb-Char (w/Pyr Includ)-Gry Fissil Ls Wht-Crm-Gry Microxn-FxIn Dns Micrite Grad Poor Ppt IxIn Por Qtz Ss Brn (5 Pc) VFG Ang-Sub Ang (mU = 250- 350 Microns = 2.0 - 1.5 Ø) Well Sort Good Igran Por (w/GSG & Gas Does Not Flor) Cht Amber Translu Shp Vit Fos (Crin, Fuss) Chalky ? Faint Odor Sli ? Min Flor Lt Brn Stn in Ss SSG

30" CFS @ 5370' Ls Wht-Crm-Gry Microxn-FxIn Dns Micrite Grad Poor Ppt IxIn Por Qtz Ss Brn (8 Pc) VFG Ang-Sub Ang (mU = 250- 350 Microns = 2.0 - 1.5 Ø) Well Sort Friable Good Igran Por (w/GSG & Gas Does Not Flor) Cht Amber Translu Shp Vit Fos (Crin, Fuss) Chalky Pyr Mass Sh Blk Carb-Char (w/Pyr Includ)-Gry Fissil Fair Odor Sli ? Min Flor Lt Brn Stn in Ss GSG

60" CFS @ 5370' Ls Wht-Crm-Gry Microxn-FxIn Dns Micrite Grad Poor Ppt IxIn Por Qtz Ss Wht (Tr 4 Pc) VFG Ang-Sub Ang (mU = 250- 350 Microns = 2.0 - 1.5 Ø) Well Sort Hvy CaCO3 Cmt Matrix (w/ Pyr & Glacu Includ) Poor Igran Por Cht Amber Translu Shp Vit Fos (Crin) Chalky Pyr Mass Sh Char-Drab Grn/Gry Fissil Fair Odor Sli ? Min Flor Lt Brn Stn in Ss SSG

**MORROW SHALE 5346' (- 2425)**

Sh Blk -Char Fissil Ls AA No Odor No Flor No Stn NS

**MISSISSIPPIAN CHESTER 5362' (- 2541)**

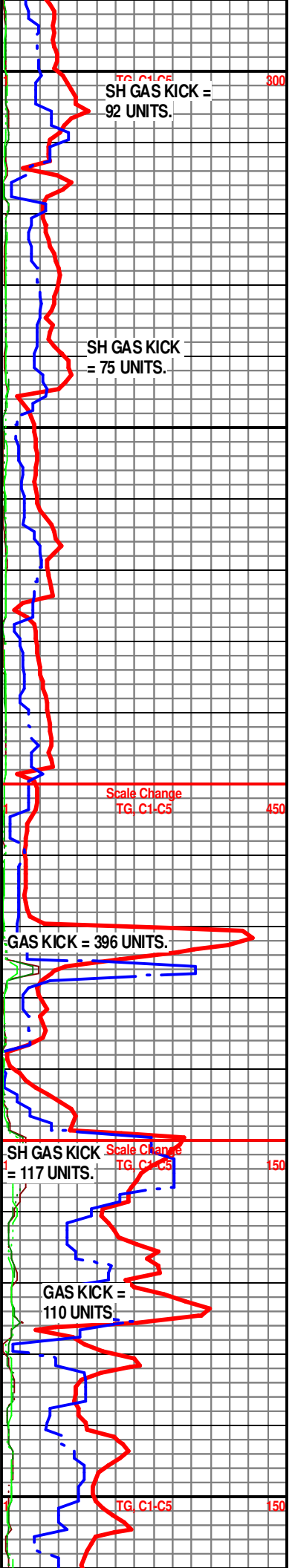
75" CFS @ 5370' Ls AA Tr Qtz Ss AA (w/SSG) Fos (Fuss) Pyr Mass Sh Char-Grn/Gry AA Faint Odor ? Min Flor Lt Brn Stn AA VSSG

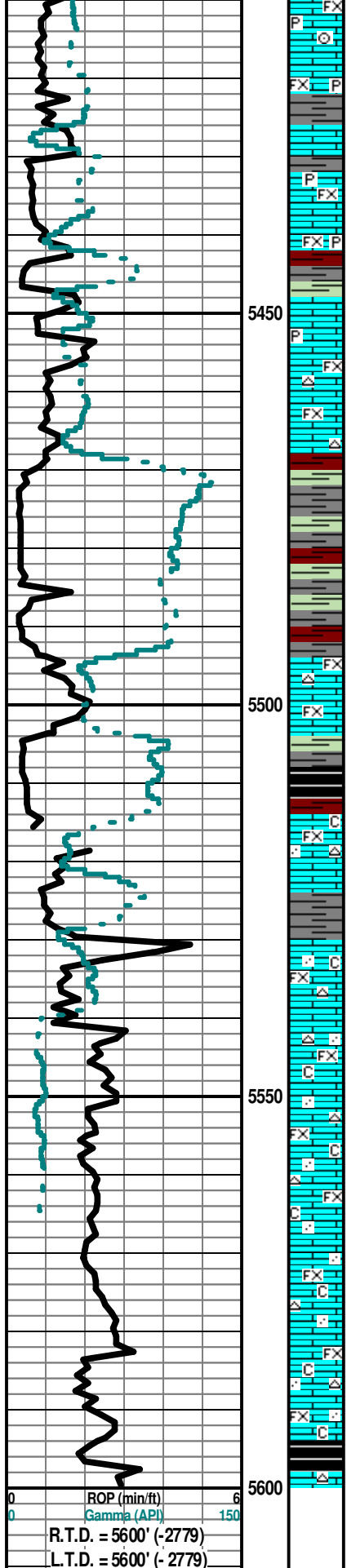
Ls Wht-Crm-Tan-Gry Microxn Dns Micrite Cht Wht-Gry Op Shp Vit Tr Qtz Ss (w/SSG) AA Fos (Crin, Fuss) Sh Blk Carb-Char-Gry Fissil Sli ? Flor No Stn Faint Odor SG & SSO

60" CFS @ 5405' Ls Wht-Crm-Tan-Gry Microxn Dns Micrite Cht Wht-Gry Op Shp Vit Tr Qtz Ss Drk Brn (w/SSG & SSO) AA Fos (Crin, Fuss) Sh Blk Carb-Char-Gry Fissil Sli ? Flor No Stn Faint Odor SG & SSO

75" CFS @ 5405' Ls Wht-Crm-Tan-Gry Microxn Dns Micrite Cht Wht-Gry Op Shp Vit Tr Qtz Ss Drk Brn (w/SSG & SSO) AA Fos (Crin, Fuss) Sh Blk Carb-Char-Gry Fissil Sli ? Flor No Stn Faint Odor SG & SSO

Ls Wht-FxIn Dns Micrite Grad Fair Pin-Pt IxIn Por (w/Pvr Includ) Fos (Crin)





Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

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

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

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

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

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb (Wash Red) Soft-Fissil Abd Ls Wht-Crm FxIn Micrite Grad Fair IxIn Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

**MISSISSIPPIAN "STE. GEN" 5516' (- 2695)**

Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm- Tan VFGm Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Chalky Sh Char-Blk Carb-Gry-Drab Grn-Aqua-Red (Wash Red) Fissil No Odor No Stn No Flor NS

Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGm Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Chalky Sh Char-Blk Carb-Gry-Drab Grn-Aqua-Red (Wash Red) Fissil No Odor No Stn No Flor NS

Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGm Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Chalky Cht Lt Tan Op Shp Vit Sh Char-Blk Carb-Gry-Drab Grn- Aqua-Red Fissil No Odor No Stn No Flor NS

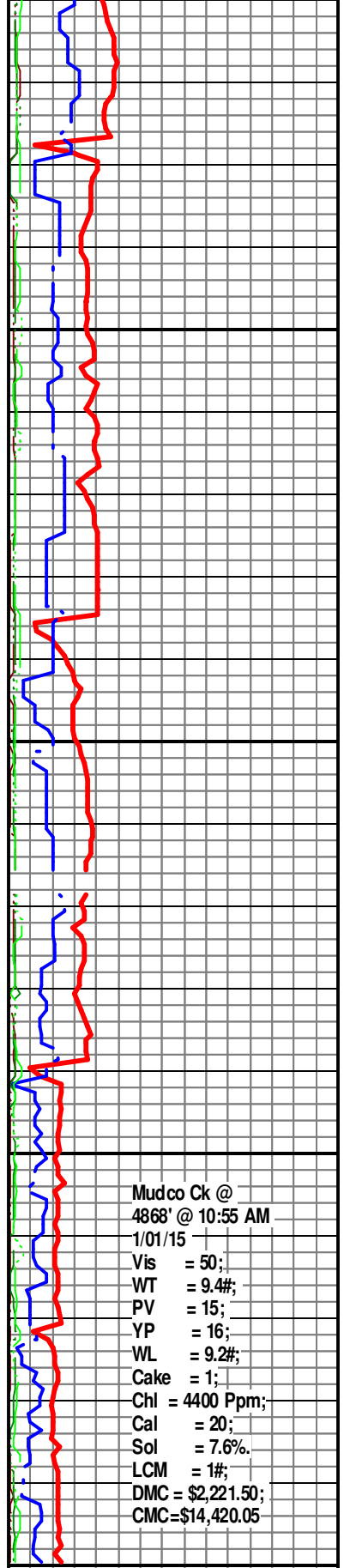
Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGm Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Cht Lt Tan Op Shp Vit Chalky Sh Char-Blk Carb-Gry-Drab Grn- Aqua-Red (Wash Red) Fissil No Odor No Stn No Flor NS

30" CFS @ 5600' Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGm Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Cht Red Op Shp Vit Chalky Sh Char-Gry-Drab Grn-Aqua-Red Fissil No Odor No Stn No Flor NS

60" CFS @ 5600' Ls Wht-Gry FxIn Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGm Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry FxIn Dns Micrite Cht Lt Tan Op Shp Vit Chalky Sh Char-Blk Carb-Gry-Drab Grn- Aqua-Red (Wash Red) Fissil No Odor No Stn No Flor NS

Electric Logs Run: By Weatherford Logging: Dual Induction; Compensated Density-Neutron & Microresistivity Logs.

GEOLOGIST LEFT LOCATION AT: 4:30 PM on 1/03/2015



Mudco Ck @  
4868' @ 10:55 AM  
1/01/15  
Vis = 50;  
WT = 9.4#;  
PV = 15;  
YP = 16;  
WL = 9.2#;  
Cake = 1;  
Chl = 4400 Ppm;  
Cal = 20;  
Sol = 7.6%  
LCM = 1#;  
DMC = \$2,221.50;  
CMC=\$14,420.05

5650

5700

# ALLIED OIL & GAS SERVICES, LLC 064584

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Liberia/KS

DATE <u>12-28-14</u>	SEC. <u>20</u>	TWP. <u>30S</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>5:00 a.m.</u>	JOB START <u>11:00 a.m.</u>	JOB FINISH <u>12:30 p.m.</u>
LEASE <u>Koehn</u>	WELL# <u>"F" 1-20</u>	LOCATION <u>Vec. Cereband KS</u>			COUNTY <u>Meade</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Sterling #5</u>	OWNER
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>1 1/4"</u>	T.D. <u>692</u>
CASING SIZE <u>6 5/8"</u>	DEPTH <u>697</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.25</u>
CEMENT LEFT IN CSG. <u>2.4</u>	
PERFS.	
DISPLACEMENT <u>41661</u>	

EQUIPMENT	
PUMP TRUCK # <u>549-SSO</u>	CEMENTER <u>Cenay Baeza</u>
BULK TRUCK # <u>956-B41</u>	HELPER <u>Alex Corona (Victor)</u>
BULK TRUCK # _____	DRIVER <u>Ramon Escaraga</u>
BULK TRUCK # _____	DRIVER

CEMENT			
AMOUNT ORDERED	<u>100SK 6S-3S 6%ozel</u>		
	<u>3%cc 1/4" #16 seal</u>		
	<u>200SK Class A 3%cc 1/4" #16 seal</u>		
COMMON	<u>400SK</u>	@ <u>17.90</u>	<u>7160.00</u>
POZMIX		@	
GEL		@	
CHLORIDE	<u>1410#</u>	@ <u>1.10</u>	<u>1551.00</u>
ASC		@	
	<u>Allied Light Weight Cement #180SK</u>	@ <u>19.00</u>	<u>3578.40</u>
		@	
	<u>Flo Seal 9S#</u>	@ <u>297</u>	<u>288.18</u>
		@	
		@	
		@	
		@	
HANDLING		@	
MILEAGE		@	

REMARKS: 44100.04 / 35% TOTAL 12571.55

CHARGE TO: McCoy Petroleum Corp

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE			
DEPTH OF JOB	<u>500 - 1000</u>		
PUMP TRUCK CHARGE	<u>2058.50</u>		
EXTRA FOOTAGE	<u>40</u>	@ <u>4.40</u>	<u>176.00</u>
MILEAGE	<u>40</u>	@ <u>7.70</u>	<u>308.00</u>
MANIFOLD		@	<u>225.00</u>
	<u>Handling 630.46</u>	@ <u>2.48</u>	<u>1563.54</u>
	<u>Drayage 1114.57</u>	@ <u>2.25</u>	<u>1117.32</u>
	<u>Additional hours 4</u>	@ <u>440.00</u>	<u>1760.00</u>
	<u>2540.43 / 35%</u>		TOTAL <u>7258.36</u>

PLUG & FLOAT EQUIPMENT			
Guide Shoe		@	<u>460.00</u>
AFU Insert		@	<u>447.00</u>
Centralizer	<u>3</u>	@ <u>75.00</u>	<u>225.00</u>
Rubber plug		@	<u>131.00</u>
		@	
	<u>442.05 / 35%</u>		TOTAL <u>1263.00</u>

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 \_\_\_\_\_

SIGNATURE \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \$ 21,092.91

DISCOUNT 7382.52 / 35% IF PAID IN 30 DAYS

Net \$ 13710.39

# ALLIED OIL & GAS SERVICES, LLC 065385

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Liberal (21)

DATE <u>1-4-15</u>	SEC. <u>20</u>	TWP. <u>30</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 am</u>	JOB FINISH <u>8:00 pm</u>
LEASE <u>Koch</u> Well # <u>1-20</u>		LOCATION <u>Sublette - 155 CR 190 1/2 East to</u>		COUNTY <u>Meade</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)		CR. 190, 4 South to CR. 1/2 East, 1/2 North.					

CONTRACTOR <u>Sterling #2</u>	OWNER
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5566.11</u>
CASING SIZE <u>4 1/2</u>	DEPTH <u>5589.20</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>47.29</u>
CEMENT LEFT IN CSG. <u>.7 bbl</u>	
PERFS.	
DISPLACEMENT <u>86 bbl</u>	

EQUIPMENT	
PUMP TRUCK CEMENTER	<u>Aldo Espinoza</u>
# <u>903-501</u>	HELPER <u>Ricardo Estrada</u>
BULK TRUCK	
# <u>993-1066</u>	DRIVER <u>Ivan Carrillo</u>
BULK TRUCK	
#	DRIVER

CEMENT		
AMOUNT ORDERED	<u>50 Sak 60/40 Per 4 1/2 gal, A, 175 Sak Class B, 60 Sak, 5.5 Sak Special, 2 1/2 Gal 5# Kalsol, .5 Sak PL140</u>	
COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
L-C Spacer	<u>10 bbl</u>	@ <u>225.00</u> <u>2,250.00</u>
Allied 60/40 Class A	<u>50 Sak</u>	@ <u>18.92</u> <u>946.00</u>
Allied special Class B	<u>175 Sak</u>	@ <u>23.50</u> <u>4,112.50</u>
Kol-seal	<u>825 #</u>	@ <u>.98</u> <u>807.50</u>
FL-160	<u>83 #</u>	@ <u>18.90</u> <u>1,568.70</u>
	@	
	@	
HANDLING	@	
MILEAGE		
	<u>2920.41 / 30%</u>	TOTAL <u>9,734.70</u>

REMARKS:

CHARGE TO:	<u>McCoy Petroleum Corp</u>
STREET	<u>9342 E Central</u>
CITY	<u>Wichita</u>
STATE	<u>KS</u>
ZIP	<u>67206</u>

SERVICE		
Circulating Iron	<u>1 @ 400.00</u> <u>400.00</u>	
DEPTH OF JOB		
PUMP TRUCK CHARGE	<u>3,077.35</u>	
EXTRA FOOTAGE LVM 40m	@ <u>4.40</u> <u>176.00</u>	
MILEAGE HVK 40 mi	@ <u>7.70</u> <u>308.00</u>	
MANIFOLD	<u>1</u> @ <u>275.00</u> <u>275.00</u>	
Handling	<u>283.25 FT<sup>3</sup></u> @ <u>2.48</u> <u>703.70</u>	
Drayage	<u>483.26 T-m</u> @ <u>2.75</u> <u>1,328.97</u>	
	<u>1887.28 / 30%</u>	TOTAL <u>6,290.92</u>

### PLUG & FLOAT EQUIPMENT

AEV Flapper float shoe	<u>1 @ 425.00</u> <u>425.00</u>	
Latch Down Plug	<u>1 @ 655.00</u> <u>655.00</u>	
Turbolizers	<u>7 @ 90.00</u> <u>630.00</u>	
	@	
	@	
	<u>513.00 / 30%</u>	TOTAL <u>1,710.00</u>

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 \_\_\_\_\_  
SIGNATURE \_\_\_\_\_

SALES TAX (if Any) \_\_\_\_\_  
TOTAL CHARGES 17,735.67  
DISCOUNT 5320.70 / 30% IF PAID IN 30 DAYS  
NET = 12,414.97



# ALLIED OIL & GAS SERVICES, LLC 064584

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Liberia/KS

DATE <u>12-28-14</u>	SEC. <u>20</u>	TWP. <u>30S</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>5:00 a.m.</u>	JOB START <u>11:00 a.m.</u>	JOB FINISH <u>12:30 p.m.</u>
LEASE <u>Koehn</u>	WELL# <u>"F" 1-20</u>	LOCATION <u>Vec. Cereband KS</u>			COUNTY <u>Meade</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Sterling #5</u>	OWNER
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>1 1/4"</u>	T.D. <u>692</u>
CASING SIZE <u>6 5/8"</u>	DEPTH <u>697</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.25</u>
CEMENT LEFT IN CSG. <u>2.4</u>	
PERFS.	
DISPLACEMENT <u>41661</u>	

EQUIPMENT		CEMENT
PUMP TRUCK # <u>S49-SSO</u>	CEMENTER <u>Cenay Baeza</u>	AMOUNT ORDERED <u>100SK GS-3S 6%ozel</u>
BULK TRUCK # <u>956-841</u>	HELPER <u>Alex Corona (Victor)</u>	<u>3%ozel 1/4" #16 seal</u>
BULK TRUCK #	DRIVER <u>Ramon Escaraga</u>	<u>200SK Class A 3%ozel 1/4" #16 seal</u>
BULK TRUCK #	DRIVER	COMMON <u>400SK</u> @ <u>17.90</u> <u>7160.00</u>
		POZMIX @
		GEL @
		CHLORIDE <u>1410#</u> @ <u>1.10</u> <u>1551.00</u>
		ASC @
		<u>Allied Light Weight Cement #180SK</u> @ <u>19.00</u> <u>3578.40</u>
		<u>Flo Seal 9S#</u> @ <u>29.7</u> <u>288.18</u>
		@
		@
		@
		@
		HANDLING @
		MILEAGE

REMARKS: 44100.04 / 35% TOTAL 12571.55

CHARGE TO: McCoy Petroleum Corp

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE		
DEPTH OF JOB <u>500-1000</u>		
PUMP TRUCK CHARGE <u>2058.50</u>		
EXTRA FOOTAGE <u>40</u> @ <u>4.40</u>	<u>176.00</u>	
MILEAGE <u>40</u> @ <u>7.70</u>	<u>308.00</u>	
MANIFOLD @	<u>225.00</u>	
<u>Handling 630.46</u> @ <u>2.48</u>	<u>1563.54</u>	
<u>Drayage 1114.57</u> @ <u>2.25</u>	<u>1117.32</u>	
<u>Additional hours 4</u> @ <u>440.00</u>	<u>1760.00</u>	
<u>2540.43 / 35%</u>	TOTAL	<u>7258.36</u>

PLUG & FLOAT EQUIPMENT		
<u>Guide Shoe</u>	@	<u>460.00</u>
<u>AFU Insert</u>	@	<u>447.00</u>
<u>Centralizer 3</u>	@ <u>75.00</u>	<u>225.00</u>
<u>Rubber plug</u>	@	<u>131.00</u>
	@	
<u>442.05 / 35%</u>	TOTAL	<u>1263.00</u>

To: Allied Oil & Gas Services, LLC.  
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PRINTED NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \$ 21,092.91

DISCOUNT 7382.52 / 35% IF PAID IN 30 DAYS

Net \$ 13710.39

# ALLIED OIL & GAS SERVICES, LLC 065385

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Liberal (21)

DATE <u>1-4-15</u>	SEC. <u>20</u>	TWP. <u>30</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 am</u>	JOB FINISH <u>8:00 pm</u>
LEASE <u>Koch</u> Well # <u>1-20</u>		LOCATION <u>Sublette - 155 CR 190 13 East to</u>		COUNTY <u>Meade</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)		CR. 190, 4 South to CR. 1/2 East, 1/2 North.					

CONTRACTOR <u>Sterling #2</u>	OWNER
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5566.11</u>
CASING SIZE <u>4 1/2</u>	DEPTH <u>5589.20</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>47.29</u>
CEMENT LEFT IN CSG. <u>.7 bbl</u>	
PERFS.	
DISPLACEMENT <u>86 bbl</u>	

EQUIPMENT	
PUMP TRUCK CEMENTER	<u>Aldo Espinoza</u>
# <u>903-501</u>	HELPER <u>Ricardo Estrada</u>
BULK TRUCK	
# <u>993-1066</u>	DRIVER <u>Ivan Carrillo</u>
BULK TRUCK	
#	DRIVER

CEMENT		
AMOUNT ORDERED	<u>50 Sak 60/40 Per 4 1/2 gal, A, 175 Sak Class B, 60 Sak, 5.5 1/2 Super, 2 1/2 Gal 5# Kalsol, .5 1/2 FL 140</u>	
COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
L.C Spacer	<u>10 bbl</u>	@ <u>225.00</u> <u>2,250.00</u>
Allied 60/40 Class A 50 Sak	<u>4 1/2</u>	@ <u>18.98</u> <u>946.00</u>
Allied special Blend B, 175 Sak	<u>4</u>	@ <u>23.50</u> <u>4,112.50</u>
Kol-seal 825 #	<u>1</u>	@ <u>857.50</u> <u>857.50</u>
FL-160 83 #	<u>1</u>	@ <u>18.90</u> <u>1,568.70</u>
	@	
	@	
HANDLING	@	
MILEAGE		
	<u>2920.41 / 30%</u>	TOTAL <u>9,734.70</u>

REMARKS:

CHARGE TO:	<u>McCoy Petroleum Corp</u>
STREET	<u>9342 E Central</u>
CITY	<u>Wichita</u>
STATE	<u>KS</u>
ZIP	<u>67206</u>

SERVICE	
Circulating Iron	<u>1 @ 400.00</u> <u>400.00</u>
DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>3,077.35</u>
EXTRA FOOTAGE LVM 40m	@ <u>4.40</u> <u>176.00</u>
MILEAGE HVK 40 mi	@ <u>7.70</u> <u>308.00</u>
MANIFOLD	<u>1</u> @ <u>275.00</u> <u>275.00</u>
Handling	<u>283.25 FT<sup>3</sup></u> @ <u>2.48</u> <u>703.70</u>
Drayage	<u>483.26 T-m</u> @ <u>2.75</u> <u>1,328.97</u>
	<u>1887.28 / 30%</u>
	TOTAL <u>6,290.92</u>

### PLUG & FLOAT EQUIPMENT

AEU Flapper float shoe	<u>1</u>	@ <u>425.00</u> <u>425.00</u>
Latch Down Plug	<u>1</u>	@ <u>655.00</u> <u>655.00</u>
Turbolizers	<u>7</u>	@ <u>90.00</u> <u>630.00</u>
	@	
	@	
	<u>513.00 / 30%</u>	TOTAL <u>1,710.00</u>

To: Allied Oil & Gas Services, LLC.  
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PRINTED NAME \_\_\_\_\_  
SIGNATURE \_\_\_\_\_

SALES TAX (if Any) \_\_\_\_\_  
TOTAL CHARGES 17,735.67  
DISCOUNT 5320.70 / 30% IF PAID IN 30 DAYS  
NET = 12,414.97