



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1148562
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
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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: _____



1148562

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: _____ _____
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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 18, 2013

Allen Bangert
Mai Oil Operations, Inc.
8411 PRESTON RD STE 800
DALLAS, TX 75225-5520

Re: ACO1
API 15-009-25821-00-00
Axman-Bahr Unit 1
NE/4 Sec.19-17S-14W
Barton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Allen Bangert

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Clafin, KS 67525

Office (620) 588-4250

Res. Clafin (620) 587-3444

Mai Oil Operations
Axman-Bahr Unit #1
NE-NE-NW-NE; Section 19-17s-14w
Barton County, Kansas
Page 1

Dry and Abandoned

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: March 23, 2013
Completed: March 29, 2013
Elevation: 1883' K.B; 1887' D.F; 1875' G.L.
Casing program: Surface; 8 5/8" @ 865'
Production; none.
Sample: Samples saved and examined 2800' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2800 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were three (3) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: None.

<u>Formation</u>	<u>Sample Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	867	+1016
Base Anhydrite	890	+999
Topeka	2827	-938
Heebner	3059	-1176
Toronto	3077	-1188
Douglas	3092	-1209
Lansing	3140	-1257
Base Kansas City	3346	-1463
Arbuckle	3398	-1515
Rotary Total Depth	3409	-1526

(All tops and zones determinations were made from a correlation of Drilling Time Log and Sample Analysis).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3030-3045' Limestone; tan, gray, finely crystalline, fossiliferous, poor visible porosity, light brown stain, no odor, no shows of free oil.

TORONTO SECTION

3077-3091' Limestone; tan, brown, finely crystalline, chalky, poor visible porosity, trace of light brown stain, no show of free oil and no odor.

LANSING SECTION

Drill Stem Test #1 3130-3155'

Times: 30-30-30-30
Blow: Weak died in 5 minutes
Recovery: 6' very slight oil cut mud (5% oil, 95% mud)
Pressures: ISIP 67 psi
 FSIP 58 psi
 IFP 13-11 psi
 FFP 8-10 psi
 HSH 1566-1492 psi

3143-3150' Limestone; white, gray, fine and medium crystalline, oomoldic, fair oomoldic porosity, light brown stain, show of free oil, good odor in fresh samples.

3154-3163' Limestone; white, gray, tan, oolitic, oomoldic, poor to fair porosity, trace brown stain, no show of free oil and faint odor in fresh samples.

3163-3176' Limestone; tan, brown, finely crystalline, oolitic in part, scattered porosity, light stain, no show of free oil.

3188-3204' Limestone; tan, brown, finely crystalline, poor visible porosity, light brown stain, trace of free oil.

3216-3220' Limestone; white, tan, oomoldic, fair oomoldic porosity, chalky, light brown stain, good door.

Drill Stem Test #2 3182-3220'

Times: 30-30-30-30
Blow: Weak
Recovery: 10' mud with oil specks (100% mud)
Pressures: ISIP 527 psi
 FSIP 342 psi
 IFP 13-14 psi
 FFP 15-16 psi
 HSH 1584-1537 psi

3249-3280' Limestone; tan, brown, finely crystalline, fossiliferous/oolitic, dense, poor visible porosity, no show of free oil, no stain.

- 3300-3310' Limestone; white, cream, oomoldic, chalky, fair oomoldic porosity, brown spotty stain, trace of free oil and faint odor.
- 3321-3330' Limestone; gray, white, finely crystalline, dense, slightly fossiliferous, poor visible porosity, trace of light brown stain, no free oil and no odor.

CONGLOMERATE SECTION

- 3361-3398' Varied colored boney and opaque chert, trace white, cherty limestone, and blood red/maroon shale.

ARBUCKLE SECTION

- 3398-3409' Dolomite; white, cream, fine crystalline, poor scattered intercrystalline porosity, light brown stain, show of free oil and good odor in fresh samples.

Drill Stem Test #3 3356-3409'

Times: 30-30-45-45

Blow: strong

Recovery: 2' clean oil
150' slightly oil and mud cut water
(3% oil, 39% water 58% mud)
125' slight oil mud cut water
(2%oil, 83% water, 15% mud)
380' very slightly oil and mud cut water
(trace oil, 91% water, 9% mud)

Pressures: ISIP 1126 psi
FSIP 1127 psi
IFP 23-146 psi
FFP 147-311 psi
HSH 1647-1598 psi

Rotary Total Depth 3409

Recommendations:

The Axman-Bahr Unit was plugged and abandoned at the Rotary Total Depth 3409.

Respectfully submitted;



Wyatt Urban,
Petroleum Geologist



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.
 8411 Preston Road
 Suite 800
 Dallas, TX 75225
 ATTN: Wyatt Urban

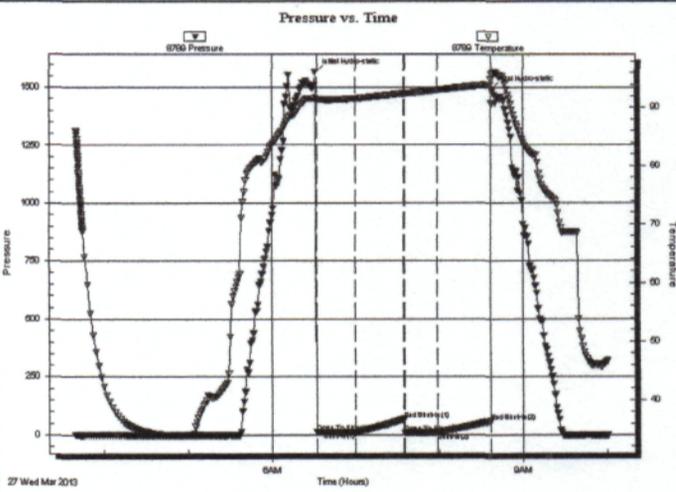
19-17s-14w Barton,KS
Axman-Bahr #1
 Job Ticket: 52211 **DST#: 1**
 Test Start: 2013.03.27 @ 03:39:19

GENERAL INFORMATION:

Formation: **Lansing A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:32:04
 Time Test Ended: 10:01:34
 Interval: **3130.00 ft (KB) To 3155.00 ft (KB) (TVD)**
 Total Depth: 3155.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1883.00 ft (KB)
 1875.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8789 **Inside**
 Press@RunDepth: 10.00 psig @ 3132.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.27 End Date: 2013.03.27 Last Calib.: 2013.03.27
 Start Time: 03:39:21 End Time: 10:01:34 Time On Btm: 2013.03.27 @ 06:31:19
 Time Off Btm: 2013.03.27 @ 08:37:34

TEST COMMENT: IFP-Weak Blow , Died in 5 Min.
 IS-Dead
 FFP-Dead
 FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1565.89	91.64	Initial Hydro-static
1	12.73	91.36	Open To Flow (1)
29	11.46	91.52	Shut-In(1)
64	66.90	92.39	End Shut-In(1)
64	8.21	92.37	Open To Flow (2)
88	10.00	93.00	Shut-In(2)
126	58.49	93.93	End Shut-In(2)
127	1492.17	95.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	OCM-5%O-95%M	0.08

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.
 8411 Preston Road
 Suite 800
 Dallas, TX 75225
 ATTN: Wyatt Urban

19-17s-14w Barton,KS
Axman-Bahr #1
 Job Ticket: 52212 **DST#: 2**
 Test Start: 2013.03.27 @ 20:57:51

GENERAL INFORMATION:

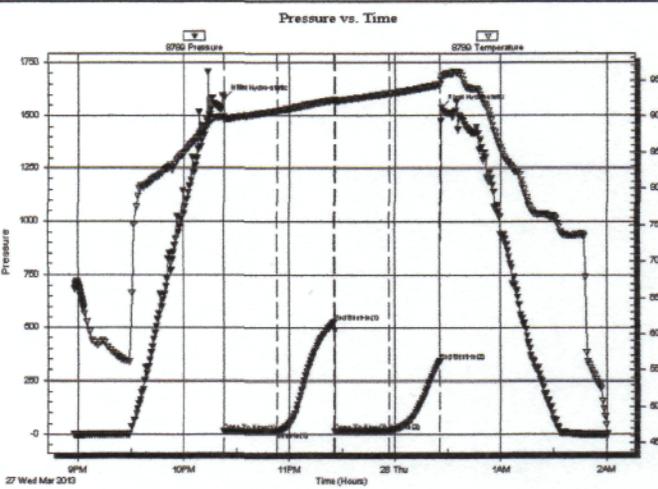
Formation: **D-G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:22:51
 Time Test Ended: 02:01:21
 Interval: **3182.00 ft (KB) To 3220.00 ft (KB) (TVD)**
 Total Depth: 3220.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1883.00 ft (KB)
 1875.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8789

Inside

Press@RunDepth: 15.76 psig @ 3217.00 ft (KB)
 Start Date: 2013.03.27 End Date: 2013.03.28
 Start Time: 20:57:53 End Time: 02:01:21
 Capacity: 8000.00 psig
 Last Calib.: 2013.03.28
 Time On Btm: 2013.03.27 @ 22:22:36
 Time Off Btm: 2013.03.28 @ 00:26:21

TEST COMMENT: IFP-Weak Surface Blow, Died in 25 min
 IS-Dead
 FFP-Dead
 FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.85	90.00	Initial Hydro-static
1	13.24	89.51	Open To Flow (1)
31	14.11	90.77	Shut-In(1)
63	526.77	92.29	End Shut-In(1)
64	14.84	92.10	Open To Flow (2)
94	15.76	93.14	Shut-In(2)
123	341.76	94.36	End Shut-In(2)
124	1536.62	95.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w / oil specks	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.
 8411 Preston Road
 Suite 800
 Dallas, TX 75225
 ATTN: Wyatt Urban

19-17s-14w Barton, KS
Axman-Bahr #1
 Job Ticket: 52213 **DST#: 3**
 Test Start: 2013.03.28 @ 19:59:00

GENERAL INFORMATION:

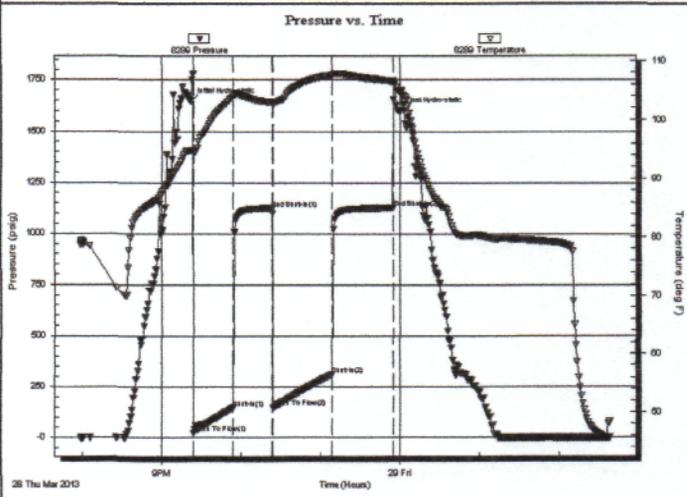
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:24:00
 Time Test Ended: 02:38:00
 Interval: **3356.00 ft (KB) To 3490.00 ft (KB) (TVD)**
 Total Depth: 3409.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 54
 Reference Elevations: 1883.00 ft (KB)
 1875.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8289

Outside

Press@RunDepth: 311.40 psig @ 3405.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.28 End Date: 2013.03.29 Last Calib.: 2013.03.29
 Start Time: 19:59:02 End Time: 02:38:00 Time On Btm: 2013.03.28 @ 21:22:00
 Time Off Btm: 2013.03.28 @ 23:59:15

TEST COMMENT: Weak blow building to strong blow (BOB) 16 minutes into initial flow period.
 Weak blow building to strong blow (BOB) 17 minutes into final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1646.53	94.66	Initial Hydro-static
2	22.54	94.41	Open To Flow (1)
32	146.36	103.90	Shut-In(1)
62	1126.32	102.91	End Shut-In(1)
62	147.28	102.63	Open To Flow (2)
107	311.40	107.49	Shut-In(2)
153	1127.20	106.43	End Shut-In(2)
158	1598.10	104.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
380.00	TRO&MCW Trace O 91% W 9% M	5.33
125.00	O&MCW 2% O 83% W 15% M	1.75
150.00	O&HWCM 3% O 39% W %*% M	2.10
2.00	Clean Oil	0.03

Gas Rates

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

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 6594

Date	3-24-73	Sec.	19	Twp.	17	Range	14	County	Roxton	State	MS	On Location	Finish	9, 15 AM
Lease	A Ximen - Bohr			Well No.	1		Location	1 + 4 2N 4W S11TC						
Contractor	Southland 3							Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Type Job	Surface							Charge To						
Hole Size	12 1/4			T.D.	575		Street							
Csg.	5 5/8			Depth	874		mai							
Tbg. Size				Depth			City State							
Tool				Depth			The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	20 ft			Shoe Joint	20 ft		Cement Amount Ordered 350 60/40 39%							
Meas Line				Displace	54.36		296 gal							
EQUIPMENT														
Pumptrk	No.	Cementer						Common						
		Helper						Poz. Mix						
Bulktrk	No.	Driver						Gel.						
		Driver						Calcium						
Bulktrk	No.	Driver						Hulls						
		Driver						Salt						
JOB SERVICES & REMARKS														
Remarks:	Current did Circulate													
Rat Hole	Flowseal													
Mouse Hole	Kol-Seal													
Centralizers	Mud CLR 48													
Baskets	CFL-117 or CD110 CAF 38													
D/V or Port Collar	Sand													
	Handling													
	Mileage													
FLOAT EQUIPMENT														
	Guide Shoe													
	Centralizer													
	Baskets													
	AFU Inserts													
	Float Shoe													
	Latch Down													
	Kulibar Plug													
	Pumptrk Charge													
	Mileage													
	Tax													
	Discount													
	Total Charge													
X Signature	Kant													

ALLIED OIL & GAS SERVICES, LLC 056497

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell

DATE <u>3-29-13</u>	SEC. <u>19</u>	TWP. <u>17</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u>	JOB FINISH <u>10:00 AM</u>
LEASE <u>AXMAN</u>		WELL # <u>1</u>		LOCATION <u>Russell KS. S. 24 mile 3W 2N 5S</u>		COUNTY <u>BARTON</u>	STATE <u>KANSAS</u>
OLD OR NEW (Circle one)							

CONTRACTOR SOUTHWIND DRLLG. Rig # 3

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D.

CASING SIZE 8 7/8 Surface DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 X-H DEPTH 3372

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 190 ⁶⁰ 5x 40 4% gel
1/4 # F10-Seal Per SX.

COMMON <u>114</u>	@ <u>17.90</u>	<u>2040.60</u>
POZMIX <u>76</u>	@ <u>9.35</u>	<u>710.60</u>
GEL	@	
CHLORIDE	@	
ASC	@	
F10-Seal <u>25x</u>	@ <u>74.25</u>	<u>148.50</u>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>17090x 25 1/3</u>	@ <u>2.48</u>	<u>508.40</u>
MILEAGE <u>25x 23.675 x</u>	@ <u>2.60</u>	<u>555.43</u>
TOTAL		<u>3963.53</u>

EQUIPMENT

PUMP TRUCK CEMENTER Colman G.

417 HELPER NATHAN D.

BULK TRUCK

410 DRIVER Joe G.

BULK TRUCK

DRIVER

REMARKS:

50 SX @ 3372'

25 SX @ 884'

75 SX @ 325'

10 SX @ 40' d wiper Plug

30 SX @ RAT HOLE

THANKS

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>2600.47</u>
EXTRA FOOTAGE	@	
MILEAGE <u>25 HOME</u>	@ <u>7.70</u>	<u>192.50</u>
MANIFOLD	@	
<u>25 LYME</u>	@ <u>4.40</u>	<u>110.00</u>
	@	
TOTAL		<u>2902.97</u>

CHARGE TO: Mat Oil Operations

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Dry Hole Plug</u>		<u>107.64</u>
	@	
	@	
	@	
	@	

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment