



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Confidentiality Requested:

Yes  No

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: \_\_\_\_\_



1115300

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  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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Sandlin Oil Corporation
Well Name	Joy 2
Doc ID	1115300

All Electric Logs Run

DUAL INDUCTION LOG
COMPENSATED DENSITY/POROSITY LOG
MICRO LOG
SONIC

Form	ACO1 - Well Completion
Operator	Sandlin Oil Corporation
Well Name	Joy 2
Doc ID	1115300

Tops

Name	Top	Datum
ANHYDRITE	1393	+747
TOPEKA	3119	-974
HEEBNER SHALE	3348	-1190
TORONTO	3370	-1212
LKC	3393	-1248
BKC	3634	-1479
SIMPSON SHALE	3645	-1494
ARBUCKLE	3661	1506

## Summary of Changes

Lease Name and Number: Joy 2  
API/Permit #: 15-051-26421-00-00  
Doc ID: 1115300  
Correction Number: 1  
Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Additional Type And Percent Additive		4%gel
Approved Date	02/11/2013	04/04/2013
CasingAdd_Type_PctPDF_3	4% gel,1/4 flo	
CasingNumbSacksUsedPDF_3	175	
CasingPurposeOfStringPDF_3	Port Collar	
CasingSettingDepthPDF_3	1430	
CasingSizeCasingSetPDF_3	5.5	
CasingSizeHoleDrilledPDF_3	7.875	
CasingTypeOfCementPDF_3	60/40	
CasingWeightPDF_3	14	

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Cementing Purpose Protect Casing	No	Yes
CementingDepth1_PDF	-	0-1430
CementingDepthBase1		1430
CementingDepthTop1		0
Date of First or Resumed Production or SWD or Enhr Liner Run?		01/09/2013
Number Of Sacks Used for Cementing / Squeezing- Line 1 Producing Method Pumping	No	175 Yes
Save Link	../../../../kcc/detail/operatorE ditDetail.cfm?docID=11 04093	../../../../kcc/detail/operatorE ditDetail.cfm?docID=11 15300 60/40
Type Of Cement Used for Cementing / Squeezing - Line 1		



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
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- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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) (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	Sandlin Oil Corporation
Well Name	Joy 2
Doc ID	1104093

All Electric Logs Run

DUAL INDUCTION LOG
COMPENSATED DENSITY/POROSITY LOG
MICRO LOG
SONIC

Form	ACO1 - Well Completion
Operator	Sandlin Oil Corporation
Well Name	Joy 2
Doc ID	1104093

Tops

Name	Top	Datum
ANHYDRITE	1393	+747
TOPEKA	3119	-974
HEEBNER SHALE	3348	-1190
TORONTO	3370	-1212
LKC	3393	-1248
BKC	3634	-1479
SIMPSON SHALE	3645	-1494
ARBUCKLE	3661	1506

Form	ACO1 - Well Completion
Operator	Sandlin Oil Corporation
Well Name	Joy 2
Doc ID	1104093

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
3	3685-3688		



# ALLIED OIL & GAS SERVICES, LLC 056072

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

*Russell, KS*

DATE <i>11-27-12</i>	SEC. <i>14</i>	TWP. <i>12</i>	RANGE <i>18</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Joy</i>	WELL # <i>2</i>	LOCATION <i>Hwy. 1, KS</i>			COUNTY <i>Ellis</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)			<i>7 miles 2 miles 1/4 south west</i>				

CONTRACTOR *Royal #1*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D.

CASING SIZE *8 1/2* DEPTH *222*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT *13.49 bbl*

OWNER

CEMENT

AMOUNT ORDERED *150 sacks Class A*

*3% cc 2% gel*

COMMON	<i>150 sacks</i>	@ <i>12.10</i>	<i>\$2,635.00</i>
POZMIX		@	
GEL	<i>3 sacks</i>	@ <i>23.40</i>	<i>\$70.20</i>
CHLORIDE	<i>55 sacks</i>	@ <i>104.00</i>	<i>\$5,720.00</i>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>162.01 hrs</i>	@ <i>2.40</i>	<i>\$390.84</i>
MILEAGE	<i>77.70 T/m</i>	<i>2.60</i>	<i>\$202.92</i>
			TOTAL <i>\$3,679.21</i>

REMARKS:

- \* cement to mud - 0 surface
- \* Pump cement @ 35.77 bbl = 150 sacks
- \* Displace cement @ 13.49 bbl to surface
- \* Shut cement in @ 300 psi.

*[Signature]*

CHARGE TO: *Barton Oil Production*

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB	<i>222'</i>		
PUMP TRUCK CHARGE			<i>\$1,512.25</i>
EXTRA FOOTAGE		@	
MILEAGE <i>175 miles</i>		@ <i>7.70</i>	<i>\$1,346.50</i>
MANIFOLD <i>Light 125 lbs</i>		@ <i>7.40</i>	<i>\$925.00</i>
		@	
		@	
			TOTAL <i>\$4,637.30</i>

PLUG & FLOAT EQUIPMENT

<i>1 - 7 1/2 Basket</i>	@ <i>557.20</i>	<i>\$557.20</i>
<i>Set @ 5' from bottom</i>	@	
	@	

# ALLIED OIL & GAS SERVICES, LLC 056481

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell, KS

DATE <u>12-4-12</u>	SEC <u>14</u>	TWP <u>12</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00AM</u>	JOB FINISH <u>2:30AM</u>
LEASE <u>Jay</u>	WELL # <u>2</u>	LOCATION <u>Hays KS 8N 12E 12S</u>	COUNTY <u>ELLIS</u>			STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Royal Drill Rig # 1

OWNER

TYPE OF JOB Production Strings

CEMENT

HOLE SIZE 7 7/8 T.D. 3745

AMOUNT ORDERED 150 sx Comm. 10% Salt

CASING SIZE 5 1/2 14# DEPTH 3744

TUBING SIZE DEPTH

500 GAL MUD FLUSH

DRILL PIPE Port Collar DEPTH 2309

TOOL AFU INSERT @ DEPTH 3709'

PRES. MAX 1000 MINIMUM

MEAS. LINE SHOE JOINT 37.08

CEMENT FEET IN CSG. 37.08

COMMON 150 sx @ 17.90 2685.00

PERFS.

POZMIX @

DISPLACEMENT 90.45 BBL

GEL @

EQUIPMENT

CHLORIDE @

PUMP TRUCK CEMENTER Glenn G.

ASC @

# 412 HELPER Woody O.

Salt 16 sx @ 26.35 421.60

BULK TRUCK

MUD FLUSH @ 52.20 704.40

# 410 DRIVER WALTER K.

MILEAGE 10 TON MILE @ 20.35 203.39

BULK TRUCK

HANDLING 161.27 FT3 @ 2.35 379.94

# DRIVER

TOTAL 4414.33

REMARKS: Port Collar on  
4 55 JOINT

SERVICE

Run 89 New strings of 14 # 5 1/2 csg.

DEPTH OF JOB 3744'

at @ 3744 ACQUIRED CIRCULATION,

PUMP TRUCK CHARGE 2552.75

run 100 sx from insert (Used -

EXTRA FOOTAGE @

run 20 5/8 hole - Plug Rod 4 mouse hole.

MILEAGE 10 H/M @ 7.70 80.85

Complete w/ 100 sx from insert (Used -

MANIFOLD @

plug, Release TRP, & Displace To

10 1/4 MI @ 4.40 46.20

Bottom, Land Plug @ Locost Release

Pressure & AFU Held. TROOP'S

30 5/8 bit hole

20 5/8 mouse hole

CHARGE TO Sandlin Oil Corp.

TOTAL 2685.80

STREET

PLUG & FLOAT EQUIPMENT

CITY STATE ZIP

W. <u>1/2 Guide Shoe</u>	@	
W. <u>1 AFU INSERT</u>	@	<u>344.62</u>
W. <u>3-CENTRALIZERS</u>	@	<u>171.79</u>
W. <u>1 DRILL PIPE</u>	@	<u>2043.00</u>

To: Allied Oil & Gas Services, LLC.

**OPERATOR**

Company: SANDLIN OIL CORPORATION  
 Address: 621 17TH STREET, STE. 2055  
 DENVER, COLORADO 80293-2001

Contact Geologist: GARY SANDLIN  
 Contact Phone Nbr: 303-292-3313  
 Well Name: SANDLIN OIL CORPORATION  
 Location: SE NW SE NW Sec 14-12s-18w      API: 15-051-26,421-00-00  
 Pool: INFIELD      Field: BEMIS-SHUTTS  
 State: KANSAS      Country: USA

Scale 1:240 Imperial

Well Name: SANDLIN OIL CORPORATION  
 Surface Location: SE NW SE NW Sec 14-12s-18w  
 Bottom Location:  
 API: 15-051-26,421-00-00  
 License Number: 6677  
 Spud Date: 11/29/2012      Time: 3:00 PM  
 Region: ELLIS COUNTY  
 Drilling Completed: 12/3/2012      Time: 6:52 AM  
 Surface Coordinates: 1730' FNL & 1880' FWL  
 Bottom Hole Coordinates:  
 Ground Elevation: 2140.00ft  
 K.B. Elevation: 2145.00ft  
 Logged Interval: 2900.00ft      To: 3725.00ft  
 Total Depth: 3725.00ft  
 Formation: ARBUCKLE  
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude:      Latitude:  
 N/S Co-ord: 1730' FNL  
 E/W Co-ord: 1880' FWL

**LOGGED BY**

Company: SOLUTIONS CONSULTING  
 Address: 108 W 35TH  
 HAYS, KS 67601

Phone Nbr: (785) 639-1337  
 Logged By: Geologist      Name: HERB DEINES

**CONTRACTOR**

Contractor: ROYAL DRILLING INC.  
 Rig #: 1  
 Rig Type: MUD ROTARY  
 Spud Date: 11/29/2012      Time: 3:00 PM  
 TD Date: 12/3/2012      Time: 6:52 AM  
 Rig Release: 12/3/2012      Time: 11:45 PM

**ELEVATIONS**

K.B. Elevation: 2145.00ft      Ground Elevation: 2140.00ft  
 K.B. to Ground: 5.00ft

**NOTES**

RECOMMENDATION TO RUN PRODUCTION CASING TO FURTHER TEST AND DEVELOP ARBUCKLE DOLOMITE.

OPEN HOLE LOGGING BY NABORS COMPLETION AND SERVICES CO: DUAL INDUCTION LOG, COMPENSATED DENSITY/NEUTRON LOG, MICROLOG, SONIC LOG

NO DRILL STEM TESTS WERE RAN

WELL WAS DEEPEMED TO 3745' AFTER LOGGING TO ALLOW FOR ADEQUATE CASING DEPTH AND CEMENTING

**FORMATION TOPS SUMMARY AND DAILY CHRONOLOGY OF ACTIVITY**

**JOY # 2  
1730' FNL & 1880' FWL, NW/4  
Sec.14-12s-18w  
2140' GL 2145' KB**

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>LOG TOPS</u>
Anhydrite		1393+ 752
B-Anhydrite		1431+ 714
Topeka		3119- 974
Heebner Shale		3348-1203
Toronto		3370-1225
LKC		3393-1248
BKC		3634-1489
Simpson Shale		3645-1500
Arbuckle		3661-1516
RTD	3725-1580	
LTD		3724-1579
DDTD		3745-1600

**SUMMARY OF DAILY ACTIVITY**

11-29-12 RU, spud  
11-30-12 212', set 8 5/8" surface casing to 212' w/150 sacks of Common, 2%Gel, 3% CC, plug down 9:00am, WOC 8 hours  
12-01-12 2124', drilling, bit trip, slope 1/2 degree, board 2665.72 strap 2665.14  
12-02-12 2865', drilling  
12-03-12 3725', RTD, logging, lay down drill pipe and run production casing



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**ROCK TYPES**

- |   |   |  |   |
|---|---|--|---|
|  Clystcol |  Lmst fw<7 |  shale, grn |  Carbon Sh  |
|  Dolprim  |  Lmst fw>7 |  shale, gry |  shale, red |

**ACCESSORIES**

**MINERAL**

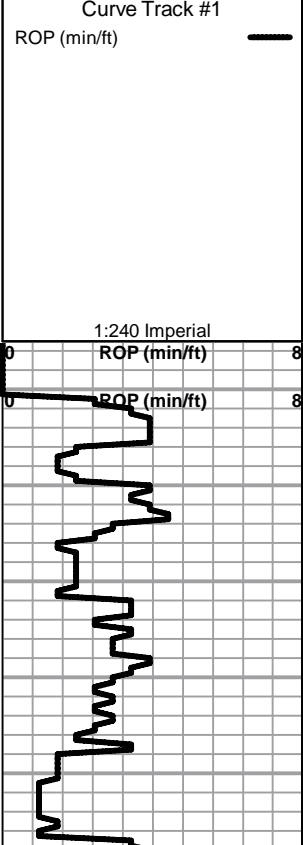
- ▲ Chert, dark
- P Pyrite
- Sandy
- △ Chert White

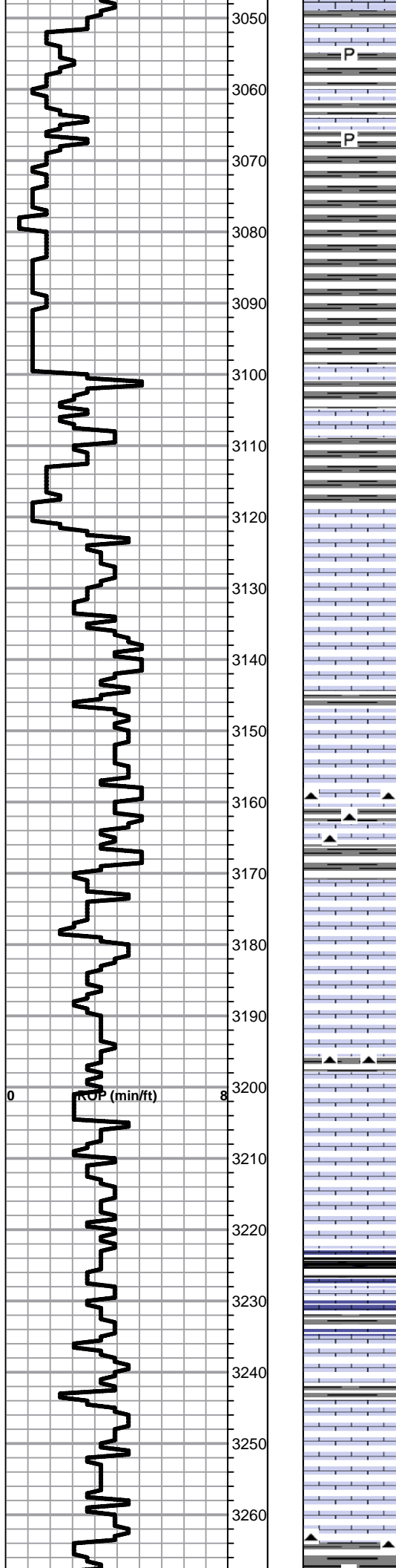
**OTHER SYMBOLS**

**DST**

-  DST Int
-  DST alt
-  Core

Printed by GEOstrip VC Striplog version 4.0.7.0 ([www.grsi.ca](http://www.grsi.ca))

Curve Track #1 ROP (min/ft)	Depth   Intervals	DST	Lithology	Oil Show	Geological Descriptions	TG, C1 - C5
<p>1:240 Imperial</p> 	<p>Cored Interval DST Interval</p>				<p>BEGIN 1' DRILL TIME FROM 3000' TO RTD            BEGIN 10' WET AND DRY SAMPLES FROM 3000' TO 3600'            BEGIN 5' WET AND DRY SAMPLES FROM 3600' TO RTD</p> <p><b>ANHYDRITE TOP 1393+752</b>  <b>ANHYDRITE BASE 1431+714</b></p> <p>Lime, med brn-med gray, fnxln, thin fossil beds- fusulinids</p> <p>Shale, med-dark gray, soft-firm, blocky, calcareous in transition between shale and lime</p> <p>Lime lt-med brn fnxln fossiliferous</p>	<p>1:240 Imperial</p> <p>8 5/8" SURFACE CASING SET TO 222' W/ 185 SXS COMMON, 2%GEL, 3%CC</p>



Lime, lt-med brn, fnxln, fossiliferous

P

Shale, med-dark gray, soft, blocky

P

Lime, crm-med brn, fnxln  
Shale, med-dark gray, soft, blocky

Shale, med gray, soft, blocky

**TOPEKA 3119-974**

Lime, lt-dark brn, fnxln, hard on crush

Lime, med-dark grayish brn, fn-vfxln, slightly fossiliferous

Lime, med brn-grayish brn, fn-vfxln, hard on crush

Lime, lt-med brn-gray, fnxln, slightly fossiliferous in part

Lime, lt-med brn-gray, fnxln, slightly fossiliferous

Lime, med brn-med gray, fnxln, hard on crush, slightly fossiliferous

Lime, med grayish brn-gray, fnxln

Lime, med brn-med gray, fnxln, scattered fossil fragments

Lime, med brn-gray, fnxln, abundant black chert in shale-lime boundary

Lime, lt brn-lt grayish brn, fnxln-granular in part, slightly fossiliferous

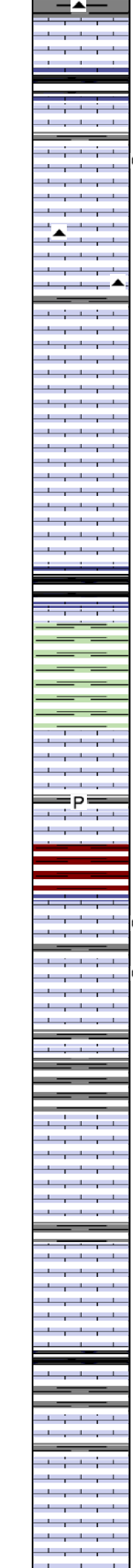
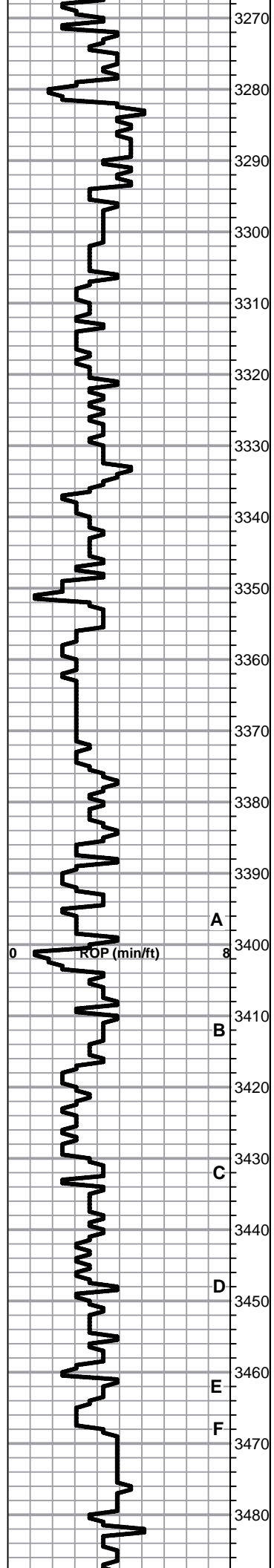
Lime, lt-med brn, mostly fnxln grading into black carbonaceous shale

Lime, lt-med brn, fnxln, slightly fossiliferous

Lime, lt brn, fnxln, slightly fossiliferous

Lime, crm, micro xln, thin, hard bedded chalk

Lime, lt-med brn, fnxln, scattered fossil fragments  
Chert, tan-black, fresh, sharp



Lime, lt-med brn, fnxln, slightly fossiliferous

Shale, black carbonaceous, fissile, blocky

Lime, lt-med brn, fnxln  
1 chip, trace of oil stain, NFO, No Odor

Lime, lt-med brn, fnxln, fossiliferous chert

Lime, lt brn-lt grayish brn, fnxln, scattered fusulinids

Lime, buff-lt brn, fn-vfxln

Lime, lt brn-lt grayish brn, frnxln

Lime, med brn, fnxln, chalky matrix in part, increasing darker brn lime near shale boundary

**HEEBNER SHALE 3348-1203**

Shale, black carbonaceous, fissile, blocky  
Lime, med brn, vfxln, hard on crush

Shale, med gray-greenish gray, soft, blocky grading into soft sticky clumps

**TORONTO 3370-1225**

Lime, crm-lt brn, fnxln, NS

Lime, crm-lt brn, fnxln, slight bedded chalk in part NS

**LKC 3393-1248**

Lime, lt-med brn, fnxln, few fossil casts, few chips with vuggy porosity, lite scattered staining, No Odor, NFO

Lime, lt-med brn, mostly fnxln, few chips with fresh oil stain on surfaces, NFO, No Odor

Lime, lt brn-lt gray, fn-vfxln grading into calcareous gray shale with scattered fossil fragments

Lime, crm-lt brn, fnxln, few cemented oolitic chips, NS, No Odor, bedded chalk in part

Lime, crm-lt brn, fnxln, bedded chalk in part

Lime, crm-tan, mostly fnxln, few chips, oolitic with fossil fragments but well cemented, poor visible porosity

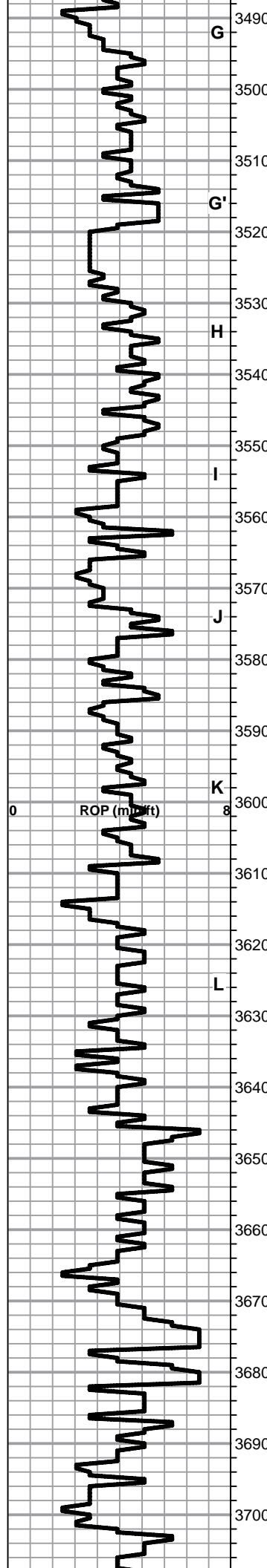
Shale, black carbonaceous, fissile, blocky  
Lime, pale green, fnxln

Lime, crm-lt brn, mostly fnxln, few chips oolitic with fossil fragments back filled with sparry calcite cementing

Lime, offwhite-crm-lt brn, fnxln

A  
B  
C  
D  
E  
F

ROP (min/ft)



\* Lime, crm-tan, fnxln, few chips with honeycomb, pinpoint vuggy porosity with show of lt gassy oil on break, very lite odor

Lime, crm-tan grading to lt brn, fnxln near shale boundary

Lime, offwhite-crm, fn-vfxln, slight chalk in part

Shale, med gray, soft, blocky

Lime, offwhite-pale gray, fn-vfxln, slight bedded chalk in part

Lime, lt brn-lt grayish brn, fnxln

Lime, crm-tan, fnxln, few chips oolitic with scattered pinpoint vuggy porosity, scattered lite stain near vugs

Lime, lt-med brn, oolitic with fossil fragments with scattered fine pinpoint vuggy porosity, trace of spotted staining, No Odor, NFO

Lime, lt-med brn, fn-vfxln, grading into dark brn lime with thin fossil beds in transition zone

Shale, gray-black carbonaceous

Lime, lt-med brn, fnxln with few oolitic chips with lt scattered staining, No Odor, NFO

Lime, lt-med brn, fnxln

Shale, gray-black carbonaceous

Lime, white-crm, fnxln, bedded chalk

Shale, mix of grays and green, soft, blocky

Lime, crm-tan, fnxln,  
Shale, vari colored grays and green shades

**BKC 3634-1489**

Shale, reddish brn, soft

Lime, crm-tan, fnxln, scattered gilsonite

**SIMPSON SHALE 3645-1500**

Shale, lt blue, blocky, waxy, pyritic inclusions in part, few clusters of fine sand, NS

**ARBUCKLE 3661-1516**

Dolomite, crm-lt brn, fnxln-granular , vuggy and interxln porosity, good odor, saturated staining

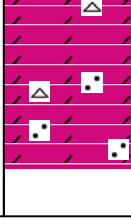
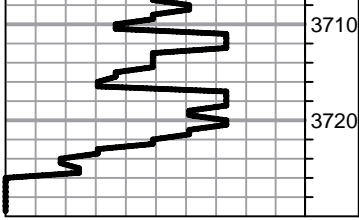
Dolomite, crm, fnxln

Dolomite, crm, fn-cxln, rhombic crystalline development with interxln porosity, good odor and floating globules of oil

Dolomite, crm, fnxln, lot of white chert with oolitic chert in part, fn-cxln in breaks with good odor and staining decreasing gradually with depth

Dolomite, tan, fn-cxln, good odor, free floating oil in samples carryover from above ?

O/W CONTACT @ 3690' BASED ON AREA LOGS



Dolomite, crm-tan, fn-vfxln, clean appearance, lt sulfur odor  
Dolomite, tan, oomoldic, fn-cxln, quartz grain inclusions  
RTD 3725-1580    LTD 3724-1579

WELL DEEPENED TO 3745'  
TO FIT PRODUCTION CASING

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

January 14, 2013

Gary Sandlin  
Sandlin Oil Corporation  
621 17TH ST STE 2055  
DENVER, CO 80293-2001

Re: ACO1  
API 15-051-26421-00-00  
Joy 2  
NW/4 Sec.14-12S-18W  
Ellis 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,  
Gary Sandlin

# ALLIED OIL & GAS SERVICES, LLC

056805

Federal Tax ID # 20-5975604

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

SERVICE POINT:  
Russell

DATE	12-6-12	SEC	194	TWP	18E	RANGE	18E
LEASE	201	WELL #	2-	LOCATION	WAYS 7 <sup>th</sup> - 1 <sup>st</sup> - 5 <sup>th</sup> W	COUNTY	ELLIS
OLD OR (NEW) (Circle one)		STATE	KS	JOB FINISH	12:30	JOB START	12:30

CONTRACTOR work over  
TYPE OF JOB Port collar  
HOLE SIZE 7 7/8  
CASING SIZE 5 7/8  
TUBING SIZE  
DRILL PIPE  
TOOL Port collar  
DEPTH 1430 ft  
PRES. MAX  
MEAS. LINE  
CEMENT LEFT IN CSG. 0  
PERFS.  
DISPLACEMENT 5 wt

EQUIPMENT  
PUMP TRUCK CEMENTER Bob S. 1  
# 409 HELPER Kevin 8  
BULK TRUCK DRIVER TY 3  
# 4181  
BULK TRUCK DRIVER TY 3  
REMARKS:  
Ten port collar 1000 #  
pumped cmt 175 sk = 35 wt 1120  
15 sk in the pit  
Closest tool 1000 #  
Reverse cemented

CHARGE TO: Snyder  
STREET  
CITY  
STATE  
ZIP  
To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cement and helper(s) to assist owner or contractor to do work as 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.

SIGNATURE *Eric Barber*  
PRINTED NAME Eric Barber  
DISCOUNT 2008.00  
TOTAL CHARGES 6720.14  
SALES TAX (if Any) 897.79  
TOTAL 7617.93

PLUG & FLOAT EQUIPMENT  
TOTAL 2340.87  
DEPTH OF JOB 1430 ft  
PUMP TRUCK CHARGE 2013.75  
EXTRA FOOTAGE  
MILEAGE Heavy 105 @ 2.7 80.85  
MANIFOLD 10.5 @ 4.4 46.92  
TOTAL 4379.34

OWNER  
AMOUNT ORDERED 400 sk 60940 4% GR  
1/4 # ELO  
COMMON 105 @ 17.9 1879.5  
FOZ MIX 70 @ 9.35 654.5  
GEL 6 @ 23.40 140.4  
ASC 50 @ 2.97 148.50  
ELO-SEAL  
HANDLING 430 ft @ 21.8 9374.0  
MILEAGE 188.48 mi @ 2.6 490.04  
TOTAL 4379.34

IF PAID IN 30 DAYS  
DISCOUNT 2008.00  
4717.53  
RS 12-7