



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1183457
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: _____

1183457

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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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MDCI McNeil Trust #1-11 2070' FSL 930' FEL Sec. 11-T18S-R36W 3251' KB							Helmerich & Payne Metheny #1-1 660FNL 660FWL Sec. 1-T18S-R36W 3245' KB	
Formation	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log Top	Datum
Anhydrite				2374	+877	+2	2370	+875
B/Anhydrite	2465	+786	+2	2466	+785	+1	2461	+784
Topeka	3766	-515	-6	3770	-519	-10	3754	-509
Heebner	4020	-769	-12	4023	-772	-15	4002	-757
Lansing	4066	-815	-10	4068	-817	-12	4050	-805
Stark	4348	-1097	-12	4354	-1103	-18	4330	-1085
Pawnee	4605	-1354	-17	4610	-1359	-22	4582	-1337
Ft. Scott	4652	-1401	-18	4658	-1407	-24	4628	-1383
Cherokee	4678	-1427	-20	4679	-1428	-21	4652	-1407
Morrow	4838	-1587	-25	4841	-1590	-28	4807	-1562
Mississippian	4956	-1705	-51	4954	-1703	-49	4899	-1654
RTD	5070						5800	
LTD				5074			4804	

LITHOLOGY STRIP LOG

WellSight Systems

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

Measured Depth Log

Well Name: **Murfin Drilling Company, Inc. McNeil Trust #1-11** D&A
Location: **Approx SE NW NE SE Section 11-T18S-R36W**
License Number: **API #15-203-20240** Region: **Wichita Co., KS**
Spud Date: **Oct. 21, 2013** Drilling Completed: **Nov. 2, 2013**
Surface Coordinates: **2070' FSL & 930' FEL Section 11-T18S-R36W**

Bottom Hole Coordinates:
Ground Elevation (ft): **3240** K.B. Elevation (ft): **3251**
Logged Interval (ft): **3600** To: **5070** Total Depth (ft): **5070**
Formation: **Mississippian RTD 5070 (-1819), LTD 5074 (-1823).**
Type of Drilling Fluid: **Chemical Displace @ 3300'**
Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: **Murfin Drilling Company, Inc.**
Address: **250 N. Water Ste 300
Wichita, Kansas 67202**

GEOLOGIST

Name: **Mikeal K. Maune**
Company: **Consulting Petroleum Geologist - Kansas Licensed No. 210**
Address: **Wichita, Kansas
Office: 316-722-8173**

COMMENTS

Surface Casing: Spud @ 4:00 pm on 10/21/2013. Set 8 5/8" surf casing @ 222'. Allied cmt w/200sxs of comm 3%cc. PD @ 8:30 pm 10/21/2013.

Production Casing: D&A November 3, 2013

Deviation Surveys: 3/4 @ 223', 1/2 @ 730', 1/2 @ 1513', 1/2 @ 2266', 1/2 @ 3018', 1 @ 3600', 1 @ 3706', 1 @ 3801', 1 3/4 @ 3910', 3 @ 4005', 2 @ 4052', 2 1/2 @ 4100', 2 3/4 @ 4160', 3 @ 4208', 3 1/2 @ 4260', 4 @ 4320', 4 @ 4380', 3 1/4 @ 4440', 5 @ 4490', 4 @ 4553', 4 @ 4605', 5 @ 4655', 4 @ 4709', 4 1/2 @ 4772', 5 @ 4791', 4 1/4 @ 4866', 4 1/2 @ 4960', 3 1/2 @ 5070 RTD.

Pipe Strap: Bit Trip @ 3600'. Strap 3040.22. Board @ 3040.07. Strap .15 ft long to Board.

Rig: **Murfin Drilling Co., Inc Rig #22**

Bit Record:
Bit #1 12 1/4" HTC GT-C1 in @ GL, out @ 223'.
Bit #2 7 7/8" PDC HTC DP506F in @ 223', out @ 3600'.
Bit #3 7 7/8" HTC GX22S in @ 3600', out @ 4791'.
Bit #4 7 7/8" PDC HTC DP506F ub @ 4791', out @ 5070 RTD.

Gas Detector: **None**

Mud System: **Morgan Mud Inc.**

DSTs: **None**

OH Logs: **Pioneer Wireline Services, LLC
DIL, CNL/CDL, MEL/BHCS.**

Note: OH Log depths appear to be 2 feet deep to Rotary depths at the top of the Heebner and 4 feet deep to Rotary depths from the BKC to RTD. The Gamma Ray curve on this report has been shifted uphole accordingly to correlate with the Drilling time curve.

OH Log Formation Tops:
Base Anhydrite 2466 (+785), Topeka 3770 (-519), Heebner 4020 (-772), Lansing 4068 (-817), Stark Sh 4354 (-1103), BKC 4458 (-1207), Marmaton 4520 (-1269), Pawnee 4613 (-1359), Ft Scott 4658 (-1407), Cherokee 4679 (-1428), Morrow 4841 (-1590), Miss 4954 (-1703), LTD 5074 (-1923).

DSTs

ROCK TYPES

Anhy	Congl	Lmst	Black sh
Brec	Sdy dol	Mrst	Gry sh
Cht	Shy dol	Salt	Shale
Clyst	Dol	Shale	Shst
Coal	Gyp	Shst	Stysh
	Sdy imst	Ss	

ACCESSORIES

<input type="checkbox"/> MINERAL	<input type="checkbox"/> Chlorite	<input type="checkbox"/> Pelec	<input type="checkbox"/> Grysh
<input type="checkbox"/> Anhy	<input type="checkbox"/> Dol	<input type="checkbox"/> Peloidal	<input type="checkbox"/> Gryslt
<input type="checkbox"/> Arg	<input type="checkbox"/> Sand	<input type="checkbox"/> Pisolite	<input type="checkbox"/> Lms
<input type="checkbox"/> Bent	<input type="checkbox"/> Silty	<input type="checkbox"/> Plant	<input type="checkbox"/> Sandylms
<input type="checkbox"/> Bit		<input type="checkbox"/> Strom	<input type="checkbox"/> Sh
<input type="checkbox"/> Breccfrag		<input type="checkbox"/> Fuss	<input type="checkbox"/> Ststn
<input type="checkbox"/> Calc		<input type="checkbox"/> Oomoldic	
<input type="checkbox"/> Calc			
<input type="checkbox"/> Chtdk			
<input type="checkbox"/> Dol			
<input type="checkbox"/> Ferrpel			
<input type="checkbox"/> Ferr			
<input type="checkbox"/> Glau			
<input type="checkbox"/> Gyp			
<input type="checkbox"/> Marl			
<input type="checkbox"/> Nodule			
<input type="checkbox"/> Phos			
<input type="checkbox"/> Pyr			
<input type="checkbox"/> Salt			
<input type="checkbox"/> Sandy			
<input type="checkbox"/> Silt			

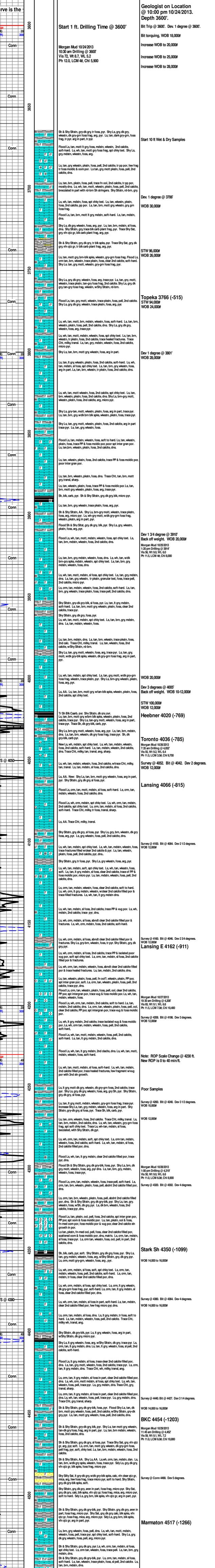
MINERAL

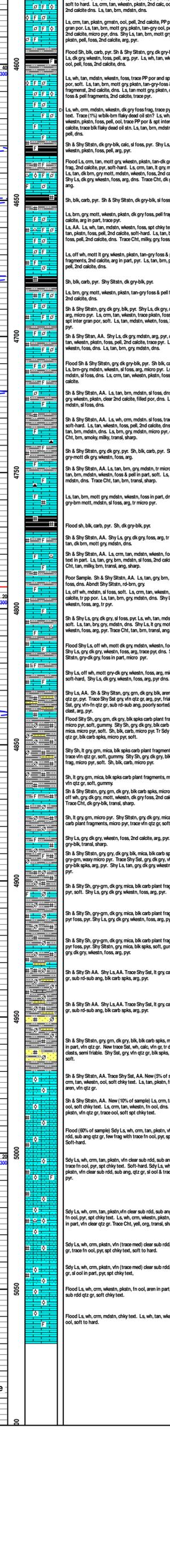
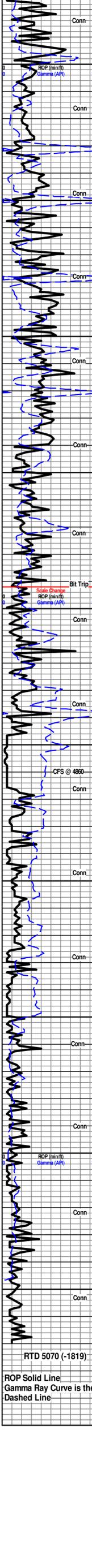
FOSSIL

STRINGER

TEXTURE

Curve Track 1





soft to hard. Ls, cm, tan, whestn, plstin, 2nd calc, ool, pel, foss, 2nd calcite dns. Ls, tan, brn, mdstn, dns.

Ls, cm, tan, plstin, gmstn, ool, pel, 2nd calcite, PP pos, spt inter gran por, soft. Ls, tan, brn, mdstn, whestn, plstin, tan-gry ool, pel & foss frag, 2nd calcite, micro pyr, dns. Sh, Ls, tan, brn, mdstn, whestn, plstin, pel, foss, 2nd calcite, arg, pyr.

Flood Sh, blk, carb, pyr. Sh & Shy Sltstn, gry dk gry-bk, pyr. Shy Ls, dk gry whestn, foss, pel, arg, pyr. Ls, wh, tan, whestn, plstin, ool, pel, foss, 2nd calcite, dns.

Ls, wh, tan, mdstn, whestn, foss, trace PP por and spt inter gran por, soft. Ls, tan, brn, mdstn, whestn, plstin, tan-gry foss & pel fragments, 2nd calcite, dns. Ls, tan, brn, mdstn, whestn, plstin, dk gry-gm foss & pel fragments, 2nd calcite, trace pyr.

Ls, wh, cm, mdstn, whestn, dk gry foss frag, trace pyr, spt chky test. Trace 1% white-bk likely dead oil str. Ls, wh, cm, tan, whestn, plstin, foss, pel, ool, trace PP por & spt inter gran por, 2nd calcite, trace blk likely dead oil str. Ls, tan, brn, mdstn, whestn, foss, pel, dns.

Sh & Shy Sltstn, dk gry-bk, calc, sl foss, pyr. Shy Ls, gry dk gry, whestn, plstin, foss, pel, arg, pyr.

Flood Ls, cm, tan, molt gry whestn, plstin, tan-gry foss & pel frag, 2nd calcite, pyr, soft-hard. Ls, cm, tan, dk gry, mdstn, dns. Ls, tan, dk brn, gry molt, mdstn, whestn, foss, 2nd calcite, dns. Shy Ls, dk gry whestn, foss, arg, dns. Trace Chl, dk gry trans, arg.

Sh, blk, carb, pyr. Sh & Shy Sltstn, dk gry-bk, sl foss, pyr.

Ls, brn, gry molt, whestn, plstin, dk gry foss, pel fragments, 2nd calcite, arg in part, trace pyr.

Ls, AA. Ls, wh, tan, mdstn, whestn, foss, spt chky test. Ls, cm, tan, whestn, plstin, pel, 2nd calcite, soft-hard. Ls, tan, brn, mdstn, whestn, plstin, foss, pel, 2nd calcite, dns. Trace Chl, milky, gry foss, trans.

Ls, off, wh, molt fl gry, whestn, plstin, tan-gry foss & pel fragments, 2nd calcite, arg in part, pyr. Ls, tan, brn, mdstn, whestn, plstin, dk gry, mdstn, whestn, plstin, foss, arg, pyr.

Sh, blk, carb, pyr. Shy Sltstn, dk gry-bk, pyr.

Ls, brn, gry molt, whestn, plstin, tan-gry foss & pel fragments, 2nd calcite, dns.

Sh & Shy Sltstn, gry dk gry, blk, pyr. Shy Ls, dk gry, mdstn, sl foss, arg, micro pyr. Trace Shy Slt, whestn, trace plstin, foss, pel, PP por, spt inter gran por, soft. Ls, tan, mdstn, whestn, foss, 2nd calcite, pyr.

Sh & Shy Sltstn, AA. Shy Ls, dk gry, mdstn, arg, pyr, dns. Ls, cm, tan, whestn, plstin, foss, pel, 2nd calcite, trace pyr. Ls, tan, brn, gry, mdstn, dns.

Flood Sh & Shy Sltstn, gry dk gry-bk, pyr. Sh, blk, carb, pyr. Shy Ls, brn, gry mdstn, whestn, sl foss, arg, micro pyr. Ls, cm, tan, whestn, plstin, sl foss, dns. Ls, tan, brn, gry, mdstn, dns.

Sh & Shy Sltstn, AA. Ls, tan, brn, mdstn, sl foss, dns. Ls, tan, brn, gry whestn, plstin, clear 2nd calcite, filled por, dns. Ls, gry dk gry, mdstn, sl foss, dns.

Sh & Shy Sltstn, AA. Ls, wh, cm, mdstn, sl foss, trace pyr, soft-hard. Ls, tan, whestn, plstin, 2nd calcite, dns. Ls, cm, tan, whestn, plstin, foss, pel, 2nd calcite, soft-hard. Ls, tan, brn, mdstn, whestn, plstin, milky, trans, sharp.

Sh & Shy Sltstn, gry dk gry, pyr. Sh, blk, carb, pyr. Shy Ls, dk gry, mdstn, sl foss, arg.

Sh & Shy Sltstn, AA. Ls, tan, brn, gry, mdstn, tr micro pyr, dns. Ls, tan, brn, mdstn, whestn, foss & pel in part, soft. Ls, tan, brn, mdstn, dns. Trace Chl, tan, brn, trans, sharp.

Ls, tan, brn, molt gry, mdstn, whestn, foss in part, dns. Shy Ls, gry-brn molt, mdstn, sl foss, arg, tr micro pyr.

Flood sh, blk, carb, pyr. Sh, dk gry-bk, pyr.

Sh & Shy Sltstn, AA. Shy Ls, gry dk gry, foss, arg, tr micro pyr. Ls, tan, dk brn, molt gry, mdstn, dns.

Sh & Shy Sltstn, AA. Ls, cm, tan, mdstn, whestn, foss, spt chky test in part. Ls, tan, gry, brn, mdstn, sl foss, 2nd calcite, dns. Trace Chl, tan, milky, brn, trans, arg, sharp.

Poor Sample. Sh & Shy Sltstn, AA. Ls, tan, gry, brn, mdstn, sl foss, dns. Abndnt Shy Sltstn, rd-brn, gry.

Ls, off, wh, mdstn, sl foss, soft. Ls, cm, tan, whestn, foss, 2nd calcite, tr por. Ls, tan, brn, gry, mdstn, dns. Shy Ls, gry dk gry, whestn, foss, arg, tr pyr.

Sh & Shy Ls, gry dk gry, sl foss, pyr. Ls, wh, tan, mdstn, sl foss, arg, micro pyr. Ls, cm, tan, whestn, plstin, arg, trace pyr. Ls, tan, brn, mdstn, whestn, plstin, arg, pyr. Trace Chl, tan, tan, trans, arg.

Flood Shy Ls, off, wh, molt gry, mdstn, whestn, foss, arg, micro pyr. Shy Ls, gry dk gry, whestn, foss, arg, trace pyr, dns. Sh & Shy Sltstn, gry dk gry, foss in part, micro pyr.

Shy Ls, off, wh, molt gry, dk gry, whestn, foss, arg, micro pyr, soft-hard, Shy Ls, dk gry, whestn, foss, arg, pyr, dns.

Shy Ls, AA. Sh & Shy Sltstn, gry, gm, dk gry, blk, aren in part, vfn qtz gr, pyr. Trace Shy Slt, gry vfn qtz gr, arg, pyr, friable. Trace Shy Slt, gry vfn-in qtz gr, sub rd-sub ang, poorly sorted, dk gry sh clast, arg, pyr.

Flood Shy Sh, gry, gm, dk gry, blk spks carb plant fragments, micro pyr, soft, gummy. Shy Sh, gry dk gry, blk carb plant frag, mica micro pyr, soft. Sh, blk, carb, micro pyr. Tr Shy Sh, gry, vfn qtz gr, blk carb spks, micro pyr, soft.

Shy Sh, dk gry, gm, mica, blk spks carb plant fragments, micro pyr, trace vfn qtz gr, soft, gummy. Shy Sh, gry dk gry, blk carb plant frag, micro pyr, soft. Sh, blk, carb, micro pyr.

Sh, dk gry, gm, mica, blk spks carb plant fragments, micro pyr, trace vfn qtz gr, soft, gummy. Shy Sltstn, gry dk gry, mica, blk spks carb plant fragments, micro pyr, trace vfn qtz gr, soft, gummy.

Shy Ls, gry dk gry, whestn, foss, 2nd calcite, arg, pyr. Trace Chl, dk gry-bk, trans, sharp.

Sh & Shy Sltstn, gry, gry, dk gry, blk, mica, blk carb spks, pyr. Sh, gry-gm, wavy micro pyr. Trace Shy Slt, gry dk gry, vfn qtz gr, dk gry-bk spks, arg, pyr. Shy Ls, tan, gry dk gry, whestn, foss, arg, pyr.

Sh & Shy Sh, gry-gm, dk gry, mica, blk carb plant fragments, micro pyr, soft. Shy Ls, gry dk gry, whestn, foss, arg, pyr.

Sh & Shy Sh, gry-gm, dk gry, mica, blk carb plant fragments, trace pyr, foss, pyr. Shy Ls, gry dk gry, whestn, foss, arg, pyr.

Sh & Shy Sh, gry-gm, dk gry, mica, blk carb plant fragments, trace pyr, foss, pyr. Shy Sltstn, gry, mica, blk spks, soft, gummy. Shy Ls, gry dk gry, whestn, foss, arg, pyr.

Sh & Shy Sh, AA. Shy Ls, AA. Trace Shy Slt, dk gry, calc, vfn-in qtz gr, sub rd-sub ang, blk carb spks, arg, pyr.

Sh & Shy Sh, AA. Shy Ls, AA. Trace Shy Slt, dk gry, calc, vfn-in qtz gr, sub rd-sub ang, blk carb spks, arg, pyr.

Sh & Shy Sltstn, gry, gm, dk gry, blk, blk carb spks, micro pyr, aren in part, vfn qtz gr. New trace 5d, calc, vfn gr, tr dk gry sh clast, semi friable. Shy Slt, gry vfn qtz gr, blk spks, micro pyr, arg, soft.

Sh & Shy Sltstn, AA. Trace Shy Slt, AA. New (5% of sample) Ls, cm, tan, whestn, ool, soft chky test. Ls, tan, plstin, fn ool, foss, aren, vfn qtz gr.

Sh & Shy Sltstn, AA. New (10% of sample) Ls, cm, tan, whestn, fn ool, soft chky test. Ls, cm, tan, whestn, fn ool, dns. Shy Ls, wh, plstin, vfn qtz gr, trace ool, soft spt chky test.

Flood (60% of sample) Shy Ls, wh, cm, tan, plstin, vfn clear sub rdd, sub ang qtz gr, few frag with trace fn ool, pyr, spt chky test. Soft-hard.

Shy Ls, wh, cm, tan, plstin, vfn clear sub rdd, sub ang, qtz gr, trace fn ool, pyr, spt chky test. Soft-hard. Shy Ls, wh, cm, tan, plstin, vfn clear sub rdd, sub ang, qtz gr, sl ool & trace foss in part, pyr.

Shy Ls, wh, cm, tan, plstin, vfn clear sub rdd, sub ang, qtz gr, trace fn ool, pyr, spt chky test. Ls, wh, cm, whestn, plstin, fn ool, aren in part, vfn clear qtz gr. Trace Chl, yell, org, trans, sharp.

Shy Ls, wh, cm, plstin, vfn (trace med) clear sub rdd, sub ang, qtz gr, trace fn ool, pyr, spt chky test, soft to hard.

Shy Ls, wh, cm, plstin, vfn (trace med) clear sub rdd, sub ang, qtz gr, sl ool in part, pyr, spt chky test.

Flood Ls, wh, cm, whestn, plstin, fn ool, aren in part, vfn-in clear sub rdd qtz gr, soft chky test.

Flood Ls, wh, cm, mdstn, chky test. Ls, wh, tan, whestn, sl foss & ool, soft to hard.

Morgan Mud 10/30/2013
12:45 pm Drilling @ 4600'
Vis 46, WI 5.1, WL 8.4
Ph 10.5, LCM 6.0R, CHI 12.800

Survey @ 4605. Bit @ 4584. Dev 434 degrees.

Pawnee 4607 (-1356)

Survey @ 4700. Dev 4 degrees.
WOB 16,000 to 18,000#
Morgan Mud 10/31/2013
1:00 pm Drilling @ 4705'
Vis 52, WI 5.1, WL 8.8
Ph 10.5, LCM 6.0R, CHI 12.000

FT Scott 4654 (-1403)

Survey @ 4665. Bit @ 4647. Dev 5 degrees.
WOB 14,000 to 16,000#

Cherokee 4677 (-1426)

Survey @ 4700. Dev 4 degrees.
WOB 16,000 to 18,000#
Morgan Mud 10/31/2013
1:00 pm Drilling @ 4705'
Vis 52, WI 5.1, WL 8.8
Ph 10.5, LCM 6.0R, CHI 12.000

Atoka 4766 (-1515)

Survey @ 4772. Bit depth 4760. Dev 412 degrees.
WOB 16,000 to 18,000#
Morgan Mud 11/01/2013
12:00 pm TH well #4 @ 4791'
Vis 61, WI 5.1, WL 8.0
Ph 10.5, LCM 6.0R, CHI 10.500
Bit Trip @ 4791 Dev 5 degrees.
Bit #4 PDC HITCOP 506F
ROP SCALE CHANGE @ 4792.
Now Scale is 1 to 20 minutes.

WOB 4,000#

Morrow 4838 (-1587)

Survey @ 4700. Dev 414 degrees.
WOB 4,000# to 5,000#

Miss 4956 (-1705)

Survey @ 4860. Dev 414 degrees.
WOB 4,000# to 5,000#

Survey @ RTD 5070. Dev 312 degrees.



acct.
Prod-LH

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 139379
Invoice Date: Oct 21, 2013
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Murfin Drlg. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Murfin	61207	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Oct 21, 2013	11/20/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	McNeil Trust #1-11		
200.00	CEMENT MATERIALS	Class A Common	17.90	3,580.00
7.00	CEMENT MATERIALS	Chloride	64.00	448.00
209.93	CEMENT SERVICE	Cubic Feet	2.48	520.63
726.00	CEMENT SERVICE	Ton Mileage	2.60	1,887.60
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
75.00	CEMENT SERVICE	Pump Truck Mileage	7.70	577.50
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
75.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	330.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		

Subtotal	9,130.98
Sales Tax	328.28
Total Invoice Amount	9,459.26
Payment/Credit Applied	
TOTAL	9,459.26

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 3,195.84

ONLY IF PAID ON OR BEFORE

Nov 15, 2013

DD

ALLIED OIL & GAS SERVICES, LLC 061207

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley KS

DATE <u>10/21/13</u>	SEC <u>11</u>	TWP. <u>18</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION <u>4:30 p.m.</u>	JOB START <u>8:00 p.m.</u>	JOB FINISH <u>8:30 p.m.</u>
LEASE <u>McNeil Truss</u>	WELL# <u>1-11</u>	LOCATION <u>Leoti E to Rd 17 LN</u>	COUNTY <u>Wichita</u>	STATE <u>KS</u>			
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<u>1 E 1/4 N w into</u>					

CONTRACTOR Murfin 22 OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 223.1 CEMENT AMOUNT ORDERED 200 sks Com 3% CC

CASING SIZE 8 5/8 DEPTH 222.45

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM COMMON 200 sks @ 17.96 3580.00

MEAS. LINE SHOE JOINT POZMIX @

CEMENT LEFT IN CSG. 15 ft. GEL @

PERFS. CHLORIDE 7 sks @ 64.00 448.00

DISPLACEMENT 13.21 bbls water ASC @

EQUIPMENT @

PUMP TRUCK CEMENTER Paul Beaver @

120 HELPER Tyler Flipse @

BULK TRUCK @

600 DRIVER Brandon Wilkinson @

BULK TRUCK @

DRIVER @

HANDLING 209.93 ft³ @ 2.48 520.63

MILEAGE 9.68 ton x 75 mi x 2.60 1887.60

TOTAL 6436.23

REMARKS:

mix 200 sks Com 3% CC
Displace with water
Cement did circulate

Thank You!

CHARGE TO: Murfin Drilling Co

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 223'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE MHU 75mi @ 7.70 577.50

MANIFOLD Swedge @ 275.00

MILV 75mi @ 4.40 330.00

@

TOTAL 2694.75

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL _____

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 Kelly Wilson

SIGNATURE Kelly Wilson

SALES TAX (If Any) _____

TOTAL CHARGES 9,130.98

DISCOUNT 3,195.84 IF PAID IN 30 DAYS

5,935.13 Net



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

*acct.
Prod-LH*

INVOICE

Invoice Number: 139670
Invoice Date: Nov 3, 2013
Page: 1

Bill To:
Murfin Drlg. Co., Inc.
250 N. Water
STE #300
Wichita, KS 67202

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Murfin	61945	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Nov 3, 2013	12/3/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	MeVert Trust #1-11		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
120.00	CEMENT MATERIALS	Pozmix	9.35	1,122.00
10.00	CEMENT MATERIALS	Gel	23.40	234.00
75.00	CEMENT MATERIALS	Flo Seal	2.97	222.75
321.66	CEMENT SERVICE	Cubic Feet	2.48	797.72
1,008.75	CEMENT SERVICE	Ton Mileage	2.60	2,622.75
1.00	CEMENT SERVICE	Rotary Plug	2,483.59	2,483.59
75.00	CEMENT SERVICE	Pump Truck Mileage	7.70	577.50
75.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	330.00
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 4,064.30 *15/10*

ONLY IF PAID ON OR BEFORE

Nov 28, 2013

Subtotal	11,612.31
Sales Tax	946.40
Total Invoice Amount	12,558.71
Payment/Credit Applied	
TOTAL	12,558.71

- 4064.30

AD

ALLIED OIL & GAS SERVICES, LLC 061945

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Grantberry, KS

DATE <u>11-3-13</u>	SEC. <u>11</u>	TWP. <u>18S</u>	RANGE <u>36W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 AM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>Fract</u>		WELL# <u>1-11</u>	LOCATION <u>Leott E+ 17 Rd</u>		COUNTY <u>Wichita</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			IN 1E 1/4 N WINTO				

CONTRACTOR MurGen Drilling #22

TYPE OF JOB Big Tony Plug

HOLE SIZE 7 1/8 T.D.

CASING SIZE 5 7/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2460

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. All

PERFS.

DISPLACEMENT Freshwater / Mud

EQUIPMENT

OWNER

CEMENT

AMOUNT ORDERED 300 SKS 60% class A
40% gel 44% gel 16% Flo

COMMON	<u>180</u>	@ <u>17.90</u>	<u>3,222.00</u>
POZMIX	<u>120</u>	@ <u>9.35</u>	<u>1,122.00</u>
GEL	<u>10</u>	@ <u>23.40</u>	<u>234.00</u>
CHLORIDE		@	
ASC		@	
<u>Flow Seal</u>	<u>75</u>	@ <u>2.97</u>	<u>222.75</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>321.04</u>	@ <u>2.48</u>	<u>797.71</u>
MILEAGE	<u>13.45 X 75 X</u>	<u>260</u>	<u>2,622.75</u>
TOTAL			<u>8,221.21</u>

PUMP TRUCK CEMENTER Dustin Chambers

395 HELPER Mike Scoborn

BULK TRUCK

609-112 DRIVER Tommy Tigerling

BULK TRUCK

DRIVER

REMARKS:

- Fill hole with Big Mud
- 1. 2460 - 50 SKS
- 2. 1410 - 80 SKS
- 3. 720 - 50 SKS
- 4. 720 - 50 SKS
- 5. 60 - 20 SKS
- 6. RH - 30 SKS
- 7. MH - 20 SKS plug Down with AM

CHARGE TO: MurGen Drilling

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2460</u>		
PUMP TRUCK CHARGE	<u>2,483.52</u>		
EXTRA FOOTAGE	@		
MILEAGE <u>Hwy</u>	<u>75</u>	@ <u>7.70</u>	<u>577.50</u>
MANIFOLD	@		
<u>W.M.</u>	<u>75</u>	@ <u>4.40</u>	<u>330.00</u>
	@		

TOTAL 3,391.02

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL _____

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 KELLY WILSON

SIGNATURE Kelly Wilson

SALES TAX (If Any) _____

TOTAL CHARGES 11,612.30

DISCOUNT 4,064.30 IF PAID IN 30 DAYS

7,547.99