

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1259052
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: _____

1259052

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

RITCHIE EXPLORATION, INC.
WELL: SCHUMACHER #1
LOC.: 2125' FNL & 400' FWL
SEC. 25-15-36W
LOGAN COUNTY, KANSAS
API: 15-109-21399-00-00

DRILLING CONTR.: WW RIG # @
SPUD: 04-09-15 COMP: 04-21-15
MUD UP: 3400' TYPE MUT: CHEM.
DRILL TIME: 3450 to RTD
RTD: 4870' LTD: 4871'
LOGS SAVED: 3600'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION
KB: 3219
GL: 3214
LOG MEASURED FROM: KB

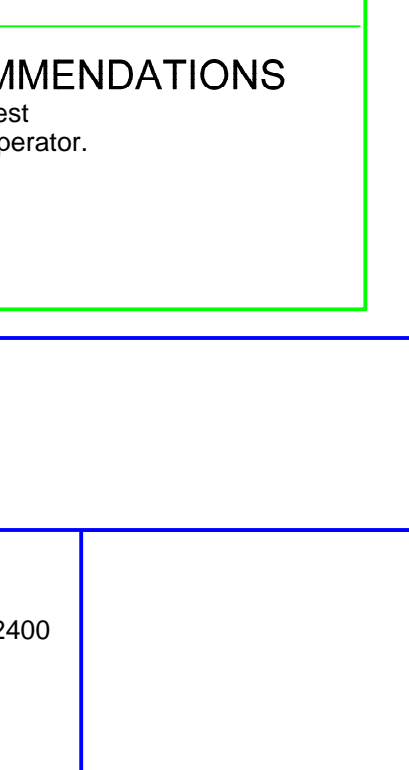
SURFACE CASING
20# 8 5/8 "
Casing set @ 221'
w/175 SX

PRODUCTION CASING
D&A

WELL LOG SURVEYS
DIL/CDL

ELECTRIC LOG TOPS

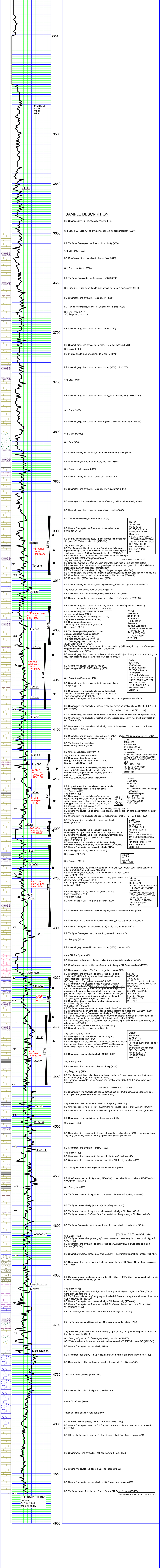
FORMATION	DEPTH	DATUM	POSITION
Stone Corral	2479	+740	+16
Base Stone Corral	2497	+722	+16
Stotler	3555	-336	+17
Topoka	3677	-458	+25
Lansing	3796	-577	+23
Heebner	3912	-693	+23
Toronto	3934	-715	+23
Lansing	3861	-742	+22
Murcie Creek	4125	-906	+30
Stark	4223	-1004	+28
Hush	4267	-1048	+27
BKC	4314	-1095	+22
Altmont	4359	-1141	+26
Pawnee	4440	-1221	+21
Cherokee Shale	4524	-1305	+27
Johnson Zone	4609	-1390	+24
Morrow Shale	4659	-1440	+26
Mississippian	4725	-1506	+28



REFERENCE WELL:
Palimino Petroleum, Inc.
Harold Michaelis Family Trust #1
605' FNL & 1710' FWL
30-15-35W
Logan County, KS

DAILY REPORT
@ 7:00 A.M.
04-09-15 MIRU, SPUD
04-10-15 795', Drilling
04-11-15 2500', Drilling
04-12-15 3395', Drilling
04-13-15 3944' DST #1
04-14-15 3960' DST #2
04-15-15 4168' DST #5/DST #4
04-16-15 4208' DST #7
04-16-15 4320' DST #6
04-19-15 4458' DST #9
04-20-15 4560' TOH for Log

REMARKS AND RECOMMENDATIONS
Due to the negative DST results this test was plugged and abandoned by the operator.
Respectfully submitted,
Robert J. Petersen
Robert J. Petersen



SAMPLE DESCRIPTION

LS: Cream/chalky + SH; Gray, silty-sandy (3610)
SH: Gray + LS: Cream, fine crystalline, ool, fair moldic por (barren)(3620)
LS: Tan/gray, fine crystalline, foss, sl dolo, chalky (3630)
SH: Dark gray (3630)
LS: Gray/brown, fine crystalline to dense, foss (3640)
SH: Dark gray, Sandy (3650)
LS: Tan/gray, fine crystalline, foss, chalky (3650/3660)
SH: Gray + LS: Creamtan, fine to med crystalline, foss, sl dolo, cherty (3670)
LS: Creamtan, fine crystalline, foss, chalky (3680)
LS: Tan, fine crystalline, cherty (sl vuggy/sharp), sl dolo (3690)
SH: Dark gray (3700)
SD: Gray/hard, tr (3710)
LS: Cream/t gray, fine crystalline, foss, cherty (3720)
LS: Cream/t gray, fine crystalline, sl dolo, tr vug por (barren) (3730)
SH: Black (3740)
LS: Lt gray, fine to med crystalline, dolo, chalky (3740)
LS: Cream/t gray, fine crystalline, foss, chalky (3750) dolo (3760)
SH: Gray (3770)
LS: Cream/t gray, fine crystalline, foss, chalky, sl dolo + SH: Gray (3780/3790)
SH: Black (3800)
LS: Cream/t gray, fine crystalline, foss, sl gran, chalky, wchert incl (3810-3820)
SH: Black (tr 3830)
SH: Gray (3840)
LS: Cream, fine crystalline, foss, sl dolo, chert trace gray stain (3840)
LS: Gray, fine crystalline to dene, foss, chert incl (3850)
SH: Red/gray, silty-sandy (3850)
LS: Cream, fine crystalline, foss, chalky, cherty (3860)
LS: Creamtan, fine crystalline, foss, chalky, tr gray stain (3870)
LS: Cream/gray, fine crystalline to dense w/med crystalline calcite, chalky (3880)
LS: Cream/t gray, fine crystalline, foss, sl dolo, chalky (3890)
LS: Tan, fine crystalline, chalky, sl dolo (3900)
LS: Cream, fine crystalline, foss, chalky, trace dead stain, no vis por (3910)
LS: Lt gray/cream, fine crystalline, foss, 1 piece w/trace fair moldic por, sfo (black)(3920) tarry stain, sfo (3923/315')
SH: Black, carb (3923/315')
LS: Tan, fine crystalline, foss, poor to fair intercrystalline por/tr poor moldic por, sfo, med brown sat on dry, fair odor/pungent background odor + S; Gray, fine crystalline, foss (3923/30')
LS: Creamtan, fine crystalline, foss, fair moldic/intercrystalline por, faint odor (3923/45') (poor sample/repeat?)
SH: Red, sandy (trace 3930)
LS: Graytan, mottled, ool-chalky/foss in part w/air intra-foss moldic por, sfo (3940)
LS: Creamtan, fine crystalline, sl dolo, gran in part with trace hard gran ool, chalky, sl dolo, tr moldic/intergran por, stain (poor sample)(3944)
LS: Tan/cream, fine crystalline, chalky, sl dolo (poor sample 3944/30')
LS: Cream/t gray, fine crystalline, chalky to coarse crystalline, chalky soft, trace green shale, tr vug por, sfo, gas bubbles, bleeding oil (4015/40-60')
LS: Gray, mottled (3950) foss, trace stain (3960)
LS: Cream: fine crystalline, foss, chalky (white/soft)(3960) poor ppt por, tr stain (3970)
SH: Red/gray, cherty-sandy trace sd clusters (3970)
LS: Creamtan, fine crystalline ool, chalky/soft trace stain (3980)
LS: Cream, fine crystalline, oolitic-granular, chalky + LS: Gray, dense (3982/30')
LS: Cream/t gray, fine crystalline, ool, very chalky, tr mealy w/light stain (3982/60')
Vis. 58 Wt. 8.6 WL 8.0 LCM 1 1/2#
LS: Cream/t gray, fine crystalline, oolitic w/trace oomoldic por (3990)
LS: Cream, fine crystalline, chalky, soft (4000)
SH: Black (tr 4005/increase 4005/20')
LS: Gray, dense, foss, cherty (foss/angular to blocky/gray) (4005/20')
LS: Tan, fine crystalline, ool/foss in part, granular-variegated w/air moldic por, chalky matrix in part, sfo, odor, it to med brown stain, on dry (4015)
LS: Cream/gray, fine crystalline, foss, fair intercrystalline por, sfo, bleeding (3955-frag), sub-granular, with some repl. calc. sl, chalky, tr chert, poor moldic por, tr stain (20 pc approx) vsgo (4370) 2 pieces w/air moldic (4373)
LS: Creamtan, dense, hard foss w/calc ool, chalk (soft)
+ SD: Gray, fine grained, SH: Gray (4373/60')
SH: Red, silty (4373/40')
SH: Gray, soft (4373/60')
LS: Tan/gray, dense, ool, granular in part, hard, cherty/chalky (4380)
LS: Cream/gray, w/med mineral stain, dense, foss, subgranular in part, chalky, cherty (4390)
LS: Cream/gray, mottled, fine crystalline, chalky + SH: Maroon (4395)
LS: Tan, dense, oolitic-granular/foss in part w/wood moldic por, intergran por, stain, light stain (4400)
LS: Cream, fine crystalline, ool, chalky, fr. It, it stain vsgo yellow fr (4395)
LS: Tan, dense, ool, cherty, brecciated, frac por, tr moldic por, it med brown stain on dry, faint odor in cup (4395/20')
LS: Cream/t gray, fine crystalline, ool, chalky (4410/40-60')
LS: Cream/gray, fine crystalline to dense, foss, mottled, chalky + SH: Dark gray (4200)
SH: Black (4240/20')
SH: Red/gray (4246)
LS: Cream/gray, fine crystalline to dense, foss, chalky, sl dolo, cherty, poor moldic por, vsgo (black)(4246/20') fair moldic por (4246/20')
LS: Gray, fine crystalline, foss, sl mottled, chalky + LS: Tan, dense, foss, fair odor, spotted stain (4260)
LS: Tan/gray, fine crystalline, foss, chalky, poor moldic por, sfo, stain (4270)
LS: Cream/gray, fine crystalline, foss, sl dol, chalky, trace edge stain (4280)
SH: Black (4280)
LS: Gray, dense + SH: Red/gray, silty-sandy (4290)
LS: Creamtan, fine crystalline, foss/ool in part, chalky, trace stain-mealy (4299)
LS: Creamtan, fine crystalline to dense, foss, cherty, trace edge stain (4299/20')
LS: Cream, fine crystalline, ool, chalky (soft) + LS: Tan, dense (4299/40')
LS: Tan/gray, fine crystalline to dense, foss, mottled, chert (4310)
SH: Red/gray (4320)
LS: Cream/t gray, mottled in part, foss, chalky (4330) cherty (4340)
trace SH: Red/gray (4340)
LS: Creamtan, ool-granular, dense, chalky, trace edge stain, no vis por (4347)
LS: Cream/cream, dense, mottled, ool/foss in part, chalky + SH: Gray, sandy (4347/20')
LS: Cream/gray, chalky + SD: Gray, fine grained, friable (4351)
LS: Creamtan, fine crystalline to dense, foss, ool in part, chalky (4351/20') oolitic-granular, hard, trace stain along chalk interface (4351/40')
SD: Gray, chalky, fine grained, friable (4351/60')
LS: Cream/gray, fine crystalline, foss (variegated), chalky + SH: Gray, sandy (4360) [Vis. 58 Wt. 8.9 WL 9.6 LCM 1 1/2#]
LS: Tan, fine crystalline, hard foss (variegated-frag), sub-granular, with some repl. calc. sl, chalky, tr chert, poor moldic por, tr stain (20 pc approx) vsgo (4370) 2 pieces w/air moldic (4373)
LS: Creamtan, dense, hard foss w/calc ool, chalk (soft)
+ SD: Gray, fine grained, SH: Gray (4373/60')
LS: Creamtan, dense, foss, hard, shaley red stain, cherty
+ SH: Red, silty (4373/40')
SH: Gray, soft (4373/60')
LS: Tan/gray, dense, ool, granular in part, hard, cherty/chalky (4380)
LS: Cream/gray, w/med mineral stain, dense, foss, subgranular in part, chalky, cherty (4390)
LS: Cream/gray, mottled, fine crystalline, chalky + SH: Maroon (4395)
LS: Tan, dense, oolitic-granular/foss in part w/wood moldic por, intergran por, stain, light stain (4400)
LS: Cream, fine crystalline, ool, chalky, fr. It, it stain vsgo yellow fr (4395)
LS: Tan, dense, ool, cherty, brecciated, frac por, tr moldic por, it med brown stain on dry, faint odor in cup (4395/20')
LS: Cream/t gray, fine crystalline, ool, chalky (4410/40-60')
LS: Cream/gray, fine crystalline to dense, foss, mottled, chalky + SH: Dark gray (4200)
SH: Black (4240/20')
SH: Red/gray (4246)
Vis. 62 Wt. 8.9 WL 9.6 LCM 1 1/2#
LS: Cream/gray, fine crystalline to dense, foss, sl chalky, (4470-poor sample), 2 pcs w/ poor moldic por, tr edge stain (4480) blocky chert (4488)
SH: Black (trace 4488/increase 4488/20') + SH: Gray (4488/20')
LS: Graytan, dense, hard, blocky + LS: Cream, fine crystalline, ool-chalky, cherty (4488/40')
LS: Creamtan, fine crystalline to dense, foss-granular in part, chalky, tr light stain (4488/60')
LS: Cream/gray, fine crystalline, very foss, chalky (4500)
SH: Black (4510)
LS: Creamtan, fine crystalline to dense, ool-granular, chalky, cherty (4510) decrease ool-gran + SH: Gray (4520/20') increase chert (angular-foss) chalk (4520/40-60')
LS: Creamtan, fine crystalline, chalky (4530)
SH: Black (4540)
LS: Creamtan, fine crystalline to dense, ool, cherty (ool) chalky (4540)
LS: Creamtan, fine crystalline, very chalky (soft) + SH: Red/gray, silty (4550)
LS: Tan/t gray, dense, foss, argillaceous, blocky-hard (4560)
LS: Gray/cream, dense, blocky, cherty (4560/20') tr dense hard foss, chalky (4560/40') + SH: Gray/gray (4560/60')
SH: Dark gray (4570)
LS: Tan/brown, dense, blocky, sl foss, cherty + Chalk (soft) + SH: Gray (4580-85)
LS: Tan/gray, dense, chalky (4585/20') + SH: Gray (4585/60')
LS: Tan/brown, dense, blocky, trace calc regrowth, chalky + SH: Black (4590)
LS: Tan/gray, dense + LS: Creamtan, fine crystalline, chalky, cherty + SH: Black (4600)
LS: Tan/gray, fine crystalline to dense, foss/ool in part, chalky, cherty (foss) (4610)
SH: Black (4620)
Vis. 57 Wt. 8.9 WL 9.6 LCM 1 1/2#
LS: Tan/gray, dense, cherty/dark gray/brown, translucent, foss, angular to blocky chalky + SH: Gray (4620)
LS: Creamtan, fine crystalline to dense, foss, cherty, chalky (4630) trace dead oil sin on fracture (4630/20')
LS: Cream/brown/gray, dense, foss, chalky, cherty + LS: Creamtan mottled, chalky (4630/40')
LS: Cream/graytan, fine crystalline to dense, foss, chalky + SH: Gray + Chert, Tan, translucent (4640-4650)
LS: Dark gray/cream mottled, sl foss, cherty + SH: Black (4660) + Chert (black-foss) blocky + LS: Cream, fine crystalline, chalky (4670)
SH: Black (4678)
LS: Tan, dense, foss, blocky + LS: Cream, foss in part, chalky + SH: Black/Chert; Tan, tr Sand-gray-vlg./hard (4678)
LS: Tan/t brown, dense, argillaceous in part, hard + LS: Cream, chalky, trace siltsstone, olive, trace wchert inclusions, chalky in part, fair moldic por,
LS: Cream, fine crystalline, ool, chalky, silty (4678/40')
LS: Cream, fine crystalline, foss, chalky + LS: Tan/brown, dense, hard, trace SH: mustard yellow/brown (4690)
LS: Tan, dense, foss, blocky + Chalk + SH: Maroon/gray/black (4700)
LS: Tan/cream, dense, sl foss, chalky + SH: Green, trace SD: Clear (4710)
SH: Black/olive, abundant + SD: Clear/shaley (bright green), fine grained, angular, + Chert; Tan, translucent, angular (4719)
SH: Dark gray/green + LS: Cream/gray, chalky, mottled (4719/20')
SD: White, medium subrounded, friable to well-cemented (4719/40') increase SD (4719/60')
LS: Cream, fine crystalline, ool, chalky (4730)
LS: Creamtan, ool, chalky + SD: White, fine grained, hard + SH: Dark gray/green (4740)
LS: Cream/white, oolitic, chalky, clear, med, subrounded + SH: Black (4750)
+ LS: Tan, dense, chalky (4760-4770)
LS: Cream/white, oolitic, chalky, clear, med (4780)
+trace SH: Green (4790)
+trace LS: Tan, dense, Chert, Tan (4800)
LS: Brown, dense, sl foss, Chert; Tan, Shale: Olive (4810)
LS: Cream, fine crystalline, ool + SH: Gray (4820) trace 1 piece wide/dark stain, poor moldic por(4830)
LS: White, chalky, sandy, clear + LS: Tan, dense, Chert; Tan, fresh-angular (4840)
LS: Cream/white, fine crystalline, ool, chalky, Chert, Tan (4850)
LS: Cream, fine crystalline, sl ool + LS: Tan, dense (4860)
LS: Cream, fine crystalline, ool, chalky + LS: Cream, tan, dense (4870)
LS: Tan/gray, dense, foss, hars + Chert; Gray + SH: Green/gray (4870/45')
Vis. 58 Wt. 9.1 WL 10.2 LCM 2 1/2#

RTD 4870/LTD 4871'
Survey:
1/2" @ 3944'
2 1/2" @ 4870'



#1 Schumacher

2125' FNL & 400' FWL

145' S & 70' E of W/2 SW NW Section 25-15S-36W

Logan County, Kansas

API# 15-109-21399-0000

Elevation: GL: 3214', KB: 3219'

Sample Tops			Ref.	Well
Anhydrite	2480'	+739	+14	
B/Anhydrite	2497'	+722	+15	
Stotler	3557'	-338	+20	
Heebner	3913'	-694	+22	
Toronto	3930'	-711	+27	
Lansing	3962'	-743	+27	
Muncie Shale	4127'	-908	+28	
Stark Shale	4225'	-1006	+26	/
Hush	4267'	-1048	+27	
BKC	4309'	-1090	+27	
Pleasanton	4325'	-1106	+24	
Pawnee	4437'	-1218	+24	
Myrick	4479'	-1260	+26	
Fort Scott	4497'	-1278	+24	
Cherokee Shale	4526'	-1307	+25	
Johnson	4611'	-1392	+22	
Morrow Shale	4663'	-1442	+24	
Mississippian	4718'	-1499	+35	
RTD	4870'	-1651		

ALLIED OIL & GAS SERVICES, LLC 063062

16 450

Federal Tax I.D. # 20-8661475

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

SERVICE POINT:
Quilley, TX

DATE <i>4/11/15</i>	SEC. <i>25</i>	TWP. <i>15</i>	RANGE <i>36</i>	CALLED OUT	ON LOCATION	JOB START <i>5:00pm</i>	JOB FINISH <i>5:30pm</i>
LEASE <i>Schnacker</i>	WELL # <i>1</i>	LOCATION <i>Pence W 10 Bl 18 5 N</i>		COUNTY <i>Logan</i>	STATE <i>Ky</i>		
OLD OR NEW (Circle one) <input checked="" type="radio"/> NEW		<i>70 Tank battery w/ 5 on rods</i>					

CONTRACTOR *WW 2* OWNER *Same*

TYPE OF JOB *Surface*

HOLE SIZE *8 1/2" 6 1/4" T.D. 221* CEMENT AMOUNT ORDERED *125 Cum 320CC*

CASING SIZE *8 5/8"* DEPTH *221*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM COMMON *125 @ 17.00 3132.50*

MEAS. LINE SHOE JOINT POZMIX @

CEMENT LEFT IN CSG. *15'* GEL @

PERFS. CHLORIDE *494 @ 1.00 543.40*

DISPLACEMENT *13.2* ASC @

EQUIPMENT *Material Total @ 3,675.90*

PUMP TRUCK CEMENTER *Alan Ryan* *(1470.36/40)*

495281 HELPER *Alvin Ryan*

BULK TRUCK

218 DRIVER *Wayne McGibony*

BULK TRUCK DRIVER

HANDLING *185.22 OF @ 2.40 455.22*

MILEAGE *22 to pump 4.8 22.00 @ 12.45.00*

TOTAL

REMARKS:

Quilley, Circulate, Mix Cement, Displace Cement, Shoot in

Cement Add Circulate

*Thank you
Alan, Alvin, Wayne*

CHARGE TO: *Ritchie Exploration*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB *221*

PUMP TRUCK CHARGE *1512.00*

EXTRA FOOTAGE @

MILEAGE *60 @ 7.20 462.00*

MANIFOLD *60 @ 4.00 264.00*

@

(1575.74/408) TOTAL 3,939.35

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 *Lennie Lang*

SIGNATURE *Lennie Lang*

SALES TAX (if Any)

TOTAL CHARGES *7,615.25*

DISCOUNT *3,046.10 (45%)* IF PAID IN 30 DAYS

4,569.15 Net.

ALLIED OIL & GAS SERVICES, LLC 064706

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Dakley, ks

DATE <u>4-21-15</u>	SEC. <u>25</u>	TWP. <u>15</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION <u>5:00 pm</u>	JOB START <u>7:30 pm</u>	JOB FINISH <u>8:30 pm</u>
Schoonacher LEASE		WELL# <u>1</u>	LOCATION <u>Pennac 10w, 5N, W 36, 2nd</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD <input checked="" type="checkbox"/> NEW (Circle one)							

CONTRACTOR WW 2

TYPE OF JOB PTA

HOLE SIZE 2 7/8 T.D. 4870'

CASINO SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2870'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 283661

OWNER Same

CEMENT AMOUNT ORDERED 2555# 60/40 4' gel
1/4" # flo-seal

EQUIPMENT

PUMP TRUCK CEMENTER Lakone EW sentz

422 HELPER Wayne McElghy

BULK TRUCK DRIVER Paul Beader

870/241

BULK TRUCK DRIVER _____

COMMON	@	_____
POZMIX	@	_____
GEL	@	_____
CHLORIDE	@	_____
ASC	@	_____
<u>60/40/4</u>	@	<u>18.72</u>
<u>18.72</u>	@	<u>4340.08</u>
<u>64# flo-seal</u>	@	<u>2.92</u>
<u>64#</u>	@	<u>190.08</u>
<u>Material total</u>	@	<u>4,730.16</u>
<u>(1892.07/40%)</u>	@	_____
HANDLING <u>273.82875</u>	@	<u>2.48</u>
MILEAGE <u>11.44 for X60X</u>	@	<u>2.75</u>
	@	<u>1887.60</u>

REMARKS:

Mix 505# 2470'

Mix 1005# 1370'

Mix 505# 270'

Mix 105# 40' w/plug

Mix 305# R.F.

Thank you

TOTAL _____

SERVICE

DEPTH OF JOB 2470'

PUMP TRUCK CHARGE _____ 2483.59

EXTRA FOOTAGE @ _____

MILEAGE MHW 60 @ 7.70 462.00

MANIFOLD MFLV 60 @ 4.40 264.00

(2310.55/40%) TOTAL 5,776.39

CHARGE TO: Ritchie

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

Wooden plug @ 110.00

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 110.00

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PRINTED NAME Kenneth

SIGNATURE Kenneth

SALES TAX (If Any) _____

TOTAL CHARGES 10,616.55

DISCOUNT 4,202.62 (40%) IF PAID IN 30 DAYS

6,413.93 Net.