



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1179277
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: _____

1179277

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lasso Energy LLC
Well Name	McClaren B 1
Doc ID	1179277

Tops

Name	Top	Datum
Heebner	4147	-1899
Toronto	4160	-1912
Douglas	4178	-1930
Brown Lime	4327	-2079
Lansing-Kansas City	4341	-2093
LKC 'B'	4364	-2116
LKC 'D'	4401	-2153
LKC 'G'	4472	-2224
Muncie Creek	4512	-2264
LKC 'H'	4518	-2270
LKC 'I'	4539	-2291
LKC 'J'	4565	-2317
Stark	4609	-2361
LKC 'K'	4620	-2372
Hushpuckney	4660	-2412
LKC 'L'	4664	-2416
Base Kansas City	4708	-2460
Marmaton	4766	-2518
Cherokee	4884	-2636
Mississippian Chert	4954	-2706
Mississippian Lime	5005	-2757
Kinderhook	5196	-2948
Viola	5218	-2970
Simpson	5415	-3167

Form	ACO1 - Well Completion
Operator	Lasso Energy LLC
Well Name	McClaren B 1
Doc ID	1179277

Tops

Name	Top	Datum
Simpson Sand (Lower) not covered by log	5546	-3298
Arbuckle	5560	-3312

Form	ACO1 - Well Completion
Operator	Lasso Energy LLC
Well Name	McClaren B 1
Doc ID	1179277

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
	5.5" CIBP		5010'
2	Perforate 4904'-4910'	12 holes	4904'-4910'
4	Perforate 4904'-4910'	24 holes	4904'-4910'
	Acidize	750 gal 15% NE-FE Acid	4904'-4910'
	5.5" CIBP		4650'
4	Perforate 4346'-4350'	16 holes	4346'-4350'
	Acidize	400 gal 15% NE Acid	4346'-4350'
	Acidize	1700 gal 15% NE Acid	4346'-4350'



Scale 1:240 Imperial

Well Name: McClaren 'B' #1
 Surface Location: 330' FNL and 330' FEL
 Bottom Location:
 API: 15-097-21759-0000
 License Number: 34320
 Spud Date: 6/29/2013 Time: 11:30 PM
 Region: Sec. 6 - T30S - R18W, Kiowa County
 Drilling Completed: 7/8/2013 Time: 3:05 AM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 2235.00ft
 K.B. Elevation: 2248.00ft
 Logged Interval: 4100.00ft To: 5570.00ft
 Total Depth: 5570.00ft
 Formation: Mississippian
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Lasso Energy, LLC
 Address: P.O. Box 465
 1125 S. Main St.
 Chase, KS 67524
 Contact Geologist: Bruce Kelso
 Contact Phone Nbr: 918.633.9655
 Well Name: McClaren 'B' #1
 Location: 330' FNL and 330' FEL API: 15-097-21759-0000
 Pool: Nichols
 State: Kansas Country: USA

LOGGED BY



Company: Valhalla Exploration, LLC
 Address: 8100 E. 22nd St. North
 Building 1800-2
 Wichita, KS 67226
 Phone Nbr: 316.655.3550
 Logged By: Geologist Name: Derek W. Patterson

REMARKS

After review of the geologic report and electric logs for the McClaren 'B' #1, it was decided upon by operator to run 5 1/2" production casing for further evaluation of said well.

The drill time, lithology, and gas curves have been shifted 7' shallow/higher to correspond with the electric log curves. All circulation points, trip points, and connections have also been moved to match the overall shift.

The well samples were saved, submitted, and will be available for review at the Kansas Geologic Survey's Well Sample Library located in Wichita, KS.

Respectfully Submitted,

Derek W. Patterson

GENERAL INFORMATION

Service Companies

Drilling Contractor: Ninnescah Drilling
 Tool Pusher: Rick Barringer
 Daylight Driller: Jason Barringer
 Evening Driller: Juan Navarro
 Morning Driller: Ronald Guerrero

Drilling Fluid: Mud-Co/Service Mud Inc.
 Engineers: Justin Whiting
 Brad Bortz

Logging Company: Tucker Wireline

Gas Detector: Bluestem Environmental
 Engineer: Sidney Edelbrock
 Unit: 0574
 Operational By: 2450'

Engineer: Z. Hickman
 Logs Ran: DI, CDNL, Micro, Sonic

Testing Company: No DSTs

Deviation Survey	
Depth	Survey
485'	1°
4714'	3/4°
RTD - 5570'	1 1/2°

Pipe Strap	
Depth	Pipe Strap
4714'	1' Short to Board

Bit Record								
Bit #	Size	Make	Type	Serial Number	Depth In	Depth Out	Feet	Hours
1	12 1/4"	SM	Mill Tooth	RR	0'	485'	485'	5.75
2	7 7/8"	Varel	HE21	1356649	485'	4714'	4229'	93.00
3	7 7/8"	Varel	HE29	1326888	4714'	5570'	856'	45.25

Surface Casing	
6.30.2013	Ran 11 joints of new 23 #/ft 8 5/8" casing, tallying 468', set @ 485' KB. Cemented with 150 sacks A Service Lite (6% gel, 3% CC, 1/4 lb CF) and 150 sacks Common (2% CC 1/4 lb CF). Cement did circulate. Plug down @ 1900 hrs 6.30.13. By Basic Energy Services.

Production Casing	
7.9.2013	Ran 132 joints of new 15.5 #/ft 5 1/2" production casing, tallying 5542.16', set @ 5542.16' KB. Cemented with 275 sacks AA2. Cement did circulate. Plug down @ 0900 hrs 7.9.13. By Basic Energy Services.

DAILY DRILLING REPORT

Date	0700 Hrs Depth	Previous 24 Hours of Operations
7.5.2013	4479'	Drilling and connections Topeka, Heebner, Toronto, and into Douglas. Geologist Derek W. Patterson on location 1845 hrs 7.4.13. Drilling and connections Douglas, Brown Lime, and into Lansing/KC. CFS @ 4370' (LKC 'A'). Resume drilling and connections Lansing/KC. Made 543' over past 24 hrs of operations. WOB: 36-38k RPM: 90 PP: 1000 SPM: 60 DMC: \$9,725.60 CMC: \$11,044.35
7.6.2013	4817'	Drilling and connections Lansing/KC. Stop @ 4714' for bit trip. CTCH, drop survey, strap out for bit trip 1845 hrs 7.5.13. TIH with new bit. Resume drilling following bit trip 0010 hrs 7.6.13. Drilling and connections Lansing/KC, Base Kansas City, and into Marmaton. Made 338' over past 24 hrs of operations. WOB: 36-38k RPM: 70-80 PP: 1100 SPM: 60 DMC: \$184.50 CMC: \$11,228.85
7.7.2013	5222'	Drilling and connections Marmaton, Pawnee, Fort Scott, Cherokee, and into Mississippian. Drilling and connections Mississippian and into Kinderhook. Made 405' over past 24 hrs of operations. WOB: 36-38k RPM: 70-75 PP: 1100 SPM: 60 DMC: \$1,427.80 CMC: \$12,656.65
7.8.2013	RTD - 5570' LTD - 5566'	Drilling and connections Kinderhook, Viola, Simpson, and into Arbuckle ahead to RTD of 5570'. RTD reached 0305 hrs 7.8.13. CTCH, conduct short trip, CTCH. Made 348' over past 24 hrs of operations. WOB: 36-38k RPM: 70-75 PP: 1100 SPM: 60 DMC: \$2,991.70 CMC: \$15,648.35
7.9.2013	RTD - 5570' LTD - 5566'	CTCH, drop survey, TOH for open hole logging operations 0735 hrs 7.8.13. Rig up loggers. Conduct logging operations. Orders received to run 5 1/2" production casing for further evaluation of the McClaren 'B' #1. Geologist Derek W. Patterson released 1800 hrs 7.8.13. DMC: \$2,420.55 CMC: \$18,068.90

WELL COMPARISON SHEET

Formation	Drilling Well				Comparison Well				Comparison Well				Comparison Well			
	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	4154	-1906	4147	-1899	4154	-1913	7	14	4133	-1915	9	16	4126	-1904	-2	5

Toronto	4167	-1919	4160	-1912	4176	-1935	16	15	23	4177	-1929	10	17	4178	-1919	0	7
Douglas	4182	-1934	4178	-1930	4186	-1945	11	15	15	4164	-1946	12	16	4157	-1935	1	5
Brown Lime	4334	-2086	4327	-2079	4336	-2095	9	16	16	4314	-2096	10	17	4307	-2085	-1	6
Lansing-Kansas City	4350	-2102	4341	-2093	4356	-2115	13	22	22	4330	-2112	10	19	4324	-2102	0	9
LKC 'B'	4370	-2122	4364	-2116	4374	-2133	11	17	17	4350	-2132	10	16	4343	-2121	-1	5
LKC 'D'	4410	-2162	4401	-2153	4409	-2168	6	15	15	4388	-2170	8	17	4380	-2158	-4	5
LKC 'G'	4480	-2232	4472	-2224	4480	-2239	7	15	15	4458	-2240	8	16	4451	-2229	-3	5
Muncie Creek	4516	-2268	4512	-2264	4519	-2278	10	14	14	4496	-2278	10	14	4488	-2266	-2	2
LKC 'H'	4524	-2276	4518	-2270	4525	-2284	8	14	14	4504	-2286	10	16	4496	-2274	-2	4
LKC 'I'	4549	-2301	4539	-2291	4553	-2312	11	21	21	4528	-2310	9	19	4520	-2298	-3	7
LKC 'J'	4571	-2323	4565	-2317	4574	-2333	10	16	16	4550	-2332	9	15	4546	-2324	1	7
Stark	4617	-2369	4609	-2361	4619	-2378	9	17	17	4595	-2377	8	16	4589	-2367	-2	6
LKC 'K'	4630	-2382	4620	-2372	4630	-2389	7	17	17	4608	-2390	8	18	4599	-2377	-5	5
Hushpuckney	4669	-2421	4660	-2412	4668	-2427	6	15	15	4648	-2430	9	18	4642	-2420	-1	8
LKC 'L'	4671	-2423	4664	-2416	4675	-2434	11	18	18	4652	-2434	11	18	4647	-2425	2	9
Base Kansas City	4718	-2470	4708	-2460	4721	-2480	10	20	20	4705	-2487	17	27	4692	-2470	0	10
Marmaton	4773	-2525	4766	-2518	4781	-2540	15	22	22	4760	-2542	17	24	4744	-2522	-3	4
Cherokee	4892	-2644	4884	-2636	4896	-2655	11	19	19	4879	-2661	17	25	4864	-2642	-2	6
Mississippian Chert	4961	-2713	4954	-2706	4964	-2723	10	17	17	4942	-2724	11	18	4927	-2705	-8	-1
Mississippian Lime	5012	-2764	5005	-2757	Not Called/Penetrated				Not Called/Penetrated				Not Called/Penetrated				
Kinderhook	5200	-2952	5196	-2948	Not Penetrated				Not Penetrated				Not Penetrated				
Viola	5226	-2978	5218	-2970	Not Penetrated				Not Penetrated				Not Penetrated				
Simpson	5421	-3173	5415	-3167	Not Penetrated				Not Penetrated				Not Penetrated				
Simpson Sand (Upper)	Not Present				Not Penetrated				Not Penetrated				Not Penetrated				
Simpson Sand (Lower)	5546	-3298	Not Covered By Logs		Not Penetrated				Not Penetrated				Not Penetrated				
Arbuckle	5560	-3312	Logs		Not Penetrated				Not Penetrated				Not Penetrated				
Total Depth	5570	-3322	5566	-3318	5065	-2824	-498	-494	5055	-2837	-485	-481	5025	-2803	-519	-515	

ROCK TYPES

Cht	DOL4	LMST4	SHALE CAR	SHALE TEAL
DOL1	LMST1	Ss	SHALE GRN	
DOL2	LMST2	SILTSTONE	SHALE GRA	
DOL3	LMST3	SHALE BRN	SHALE RED	

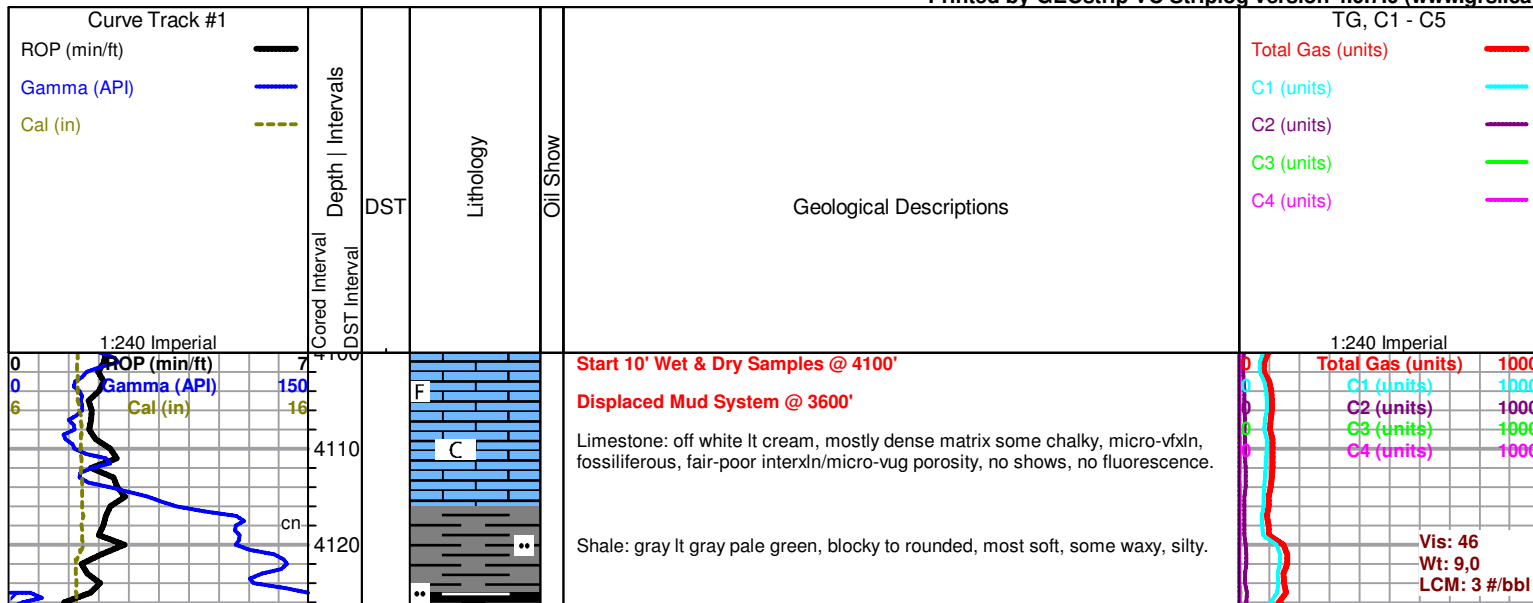
ACCESSORIES

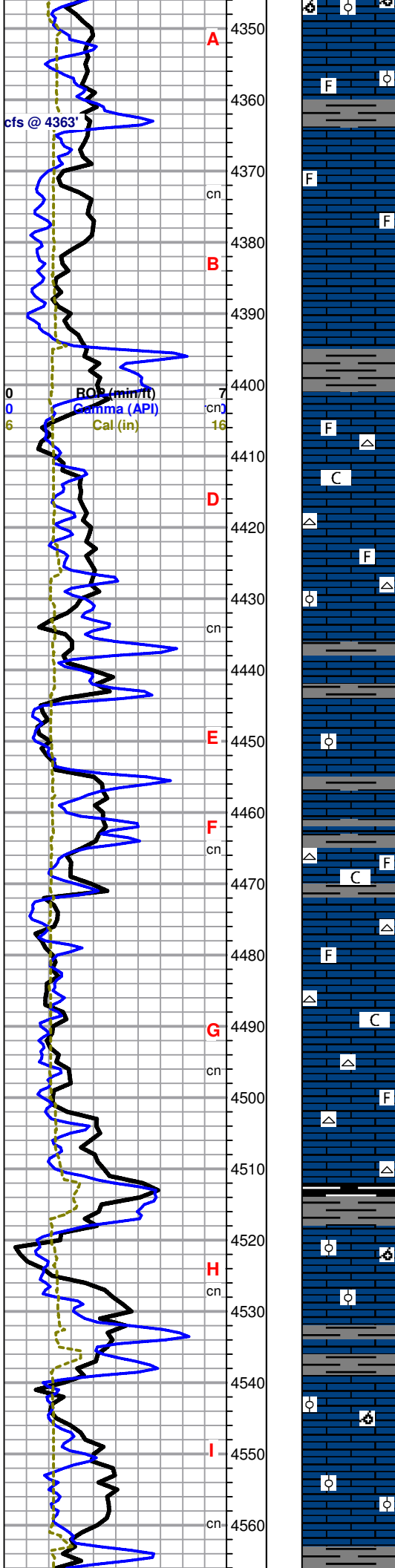
MINERAL	FOSSIL	STRINGER	TEXTURE
∟ Dolomitic	∩ Bioclastic or Fragmental	~~~~ Chert	C Chalky
P Pyrite	F Fossils < 20%	Dolomite2	L Lithogr
∧ Siliceous	∅ Oolite	Dolomite4	
• Silty	⊕ Oomoldic	Limestone2	
△ Chert White		Limestone3	
		Limestone4	
		Sandstone	
		Siltstone	
		Shale Brown	
		Shale Gray	
		Shale Red	

OTHER SYMBOLS

DST
DST1
DST2
DST3
Core
tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





ooidic development and porosity, some 2ndary xln in molds, no oil show, poor gas show upon break, spotty bright lt yellow fluorescence, milky bluish cut, faint odor.

4363' cfs 40"/60" - Limestone: cream, dense matrix, microxln, fossiliferous-oolitic, poor visible porosity, no shows, no fluorescence.

Limestone: lt gray lt cream some mottled, dense tight xln matrix, microxln, sub-fossiliferous to fossiliferous, poor visible porosity, no shows, no fluorescence.

Limestone: lt gray off white, dense xln matrix, micro-cryptoxln, barren, little-no visible porosity, no shows, no fluorescence.

Limestone: cream tan gray some mottled, dense sub-chalky matrix, microxln, scattered fossiliferous to barren, fair interxln porosity, no shows, no fluorescence, with scattered Chert: cream tan, opaque, fresh and sharp.

Limestone: cream lt cream lt gray, dense tight matrix, micro-vfxln, fossiliferous with scattered oolitic, fair amount of 2ndary xln along edges, poor visible porosity, no shows, no fluorescence, with some scattered Chert as above.

Limestone: tan brown dk gray, dense tight matrix, micro-cryptoxln, barren, no visible porosity, no shows, no fluorescence.

Limestone: lt cream cream, dense matrix, vfxln, mostly barren with some scattered sub-oolitic, fair pinpoint porosity throughout, no shows, no fluorescence.

Limestone: cream lt tan lt gray, dense to softer chalky matrix, vfxln, mostly barren with trace sub-fossiliferous, grainy in part, some shaley, poor pinpoint porosity, no shows, no fluorescence, with abundant Chert: cream tan lt gray, opaque, fresh and sharp.

Limestone: cream lt cream lt gray, softer chalky matrix, vf-fxln, sub-fossiliferous to barren, grainy in part, scattered 2ndary xln in most, fair pinpoint porosity throughout, no shows, no fluorescence, with continued Chert as above.

Limestone: lt cream lt gray, dense cherty matrix, crypto-microxln with abundant lithographic non-descript, sub-fossiliferous, poor-no visible porosity, no shows, no fluorescence, with Chert: gray cream tan, opaque, fresh and sharp.

MUNCIE CREEK 4512' (-2264')

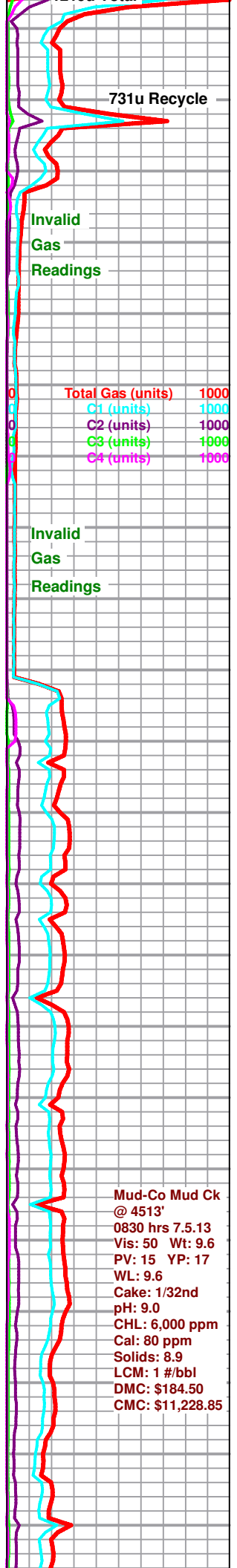
Shale: trace black, carbonaceous, no gas show, with Shale: gray lt gray, blocky to rounded, mostly soft.

Limestone: off white lt cream, sub-friable to dense tight matrix, vfxln, oolitic with some scattered fair oomoidic development and associated porosity, no shows, no fluorescence, pieces becoming tighter with depth.

Limestone: lt cream lt gray, dense xln matrix, micro-cryptoxln, barren, poor visible porosity, no shows no fluorescence, with interbedded Shale.

Limestone: cream tan, dense matrix, microxln, oolitic with good-fair oomoidic development and associated porosity, some 2ndary xln fill in molds, no shows, very poor-no mineral fluorescence.

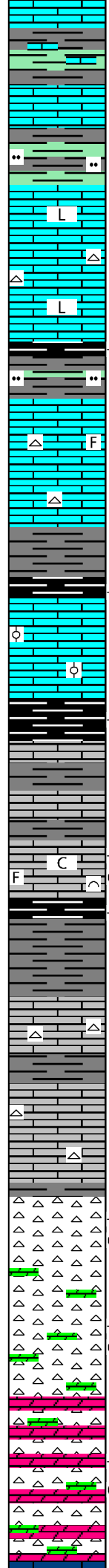
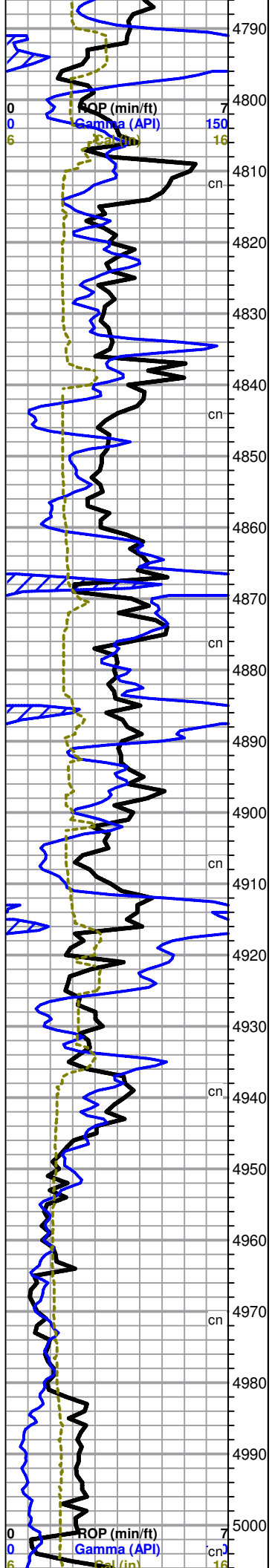
Limestone: cream tan, very dense matrix, micro-cryptoxln with some lithographic non-descript, most barren with some scattered sub-oolitic, no visible porosity, no shows, no fluorescence.



Total Gas (units)	1000
C1 (units)	1000
C2 (units)	1000
C3 (units)	1000
C4 (units)	1000

Mud-Co Mud Ck @ 4513'

0830 hrs	7.5.13
Vis: 50	Wt: 9.6
PV: 15	YP: 17
WL: 9.6	
Cake: 1/32nd	
pH: 9.0	
CHL: 6,000 ppm	
Cal: 80 ppm	
Solids: 8.9	
LCM: 1 #/bbl	
DMC: \$184.50	
CMC: \$11,228.85	



Shale: gray dk gray some dk green, blocky to slightly rounded, most firm to fissile, with Limestone stringers: gray dk gray, dense matrix, microxl, barren, very limey, no visible porosity, no shows, no fluorescence.

Limestone: cream lt cream, dense tight matrix, micro-cryptoxl, barren, no visible porosity, no shows, no fluorescence.

Shale: gray dk gray dk green, most blocky and firm, some silty in part, abundant fissile material.

Limestone: cream tan lt brown, very dense cherty matrix, micro-cryptoxl with abundant lithographic non-descript, barren, little-no visible porosity, no shows, no fluorescence, with scattered Chert: cream tan brown, opaque, fresh and sharp, barren.

Shale: trace black, carbonaceous, blocky and dense, poor gas show, with Shale: gray dk gray lt gray lt green, blocky and firm, silty in part.

PAWNEE 4842' (-2594')

Limestone: cream tan brown, dense tight matrix, micro-cryptoxl, scattered sub-fossiliferous with most barren, no visible porosity, no shows, no fluorescence, with scattered Chert: tan brown, opaque, fresh and sharp, barren.

Shale: gray dk gray, blocky to rounded, mostly soft to waxy, with Shale: black, carbonaceous, blocky to rounded, waxy, poor gas show.

FORT SCOTT 4870' (-2622')

Limestone: tan, dense, microxl, oolitic in part, no porosity, no shows.

CHEROKEE 4884' (-2636')

Shale: black, carbonaceous, blocky to rounded, most firm to waxy, good gas show upon break.

Limestone: off white lt cream, dense chalky matrix, microxl, barren, poor porosity, no shows, no fluorescence, with interbedded Shale: gray dk gray, blocky to rounded, mostly soft, some fissile to splintery.

Limestone: cream lt cream lt tan, dense to softer chalky matrix, microxl, scattered fossiliferous/bioclastic, fair vuggy/pinpoint porosity, even-spotty lt brown stain, good gas show with fair lt brown oil show upon break, spotty-even bright yellow fluorescence, fair bluish-white cut, fair odor.

Shale: black dk gray, carbonaceous, blocky to rounded, waxy, fair gas show.

Shale: gray dk gray, blocky to rounded, softer.

Limestone: cream lt cream tan, dense tight matrix, microxl, barren, poor visible porosity, no shows, no fluorescence, with some scattered Chert: cream tan white, opaque, fresh and sharp, some fossiliferous.

Shale: gray dk gray dk green, blocky to rounded, mostly soft.

Limestone: cream lt cream tan, dense tight matrix, microxl, barren, poor visible porosity, no shows, no fluorescence, with some scattered Chert: cream tan white, opaque, fresh and sharp, some fossiliferous.

MISSISSIPPIAN CHERT 4954' (-2706')

Chert: white, opaque to translucent, fresh and sharp, barren, with Chert: cream tan, translucent, fresh and sharp with some slightly weathered, some scattered vugs, golden brown saturated stain, fair gas show, poor oil show, even bright lt yellowish-green fluorescence, fair cut, strong odor.

Chert: as above, with Chert: cream tan, weathered texture with increased vugular porosity, even golden saturated stain, fair gas show, fair-good show oil upon break, even bright lt yellowish-green fluorescence, white cut, and scattered Dolomite: lt cream, friable matrix, vxl, sucrosic, good interxl porosity, even stain, good gas show and poor show oil upon break, bluish-white cut, strong odor and free oil.

Chert: white, opaque to translucent, fresh and sharp, barren, with Chert: cream tan, weathered texture with fair-good vugular porosity, even golden saturated stain, fair gas show, fair show oil upon break, even bright lt yellowish-green fluorescence, white cut, and influx Dolomite: white lt gray, friable matrix, vxl, sucrosic, fair porosity, no shows, even pale yellow fluorescence, no cut, moderate odor and some free oil.

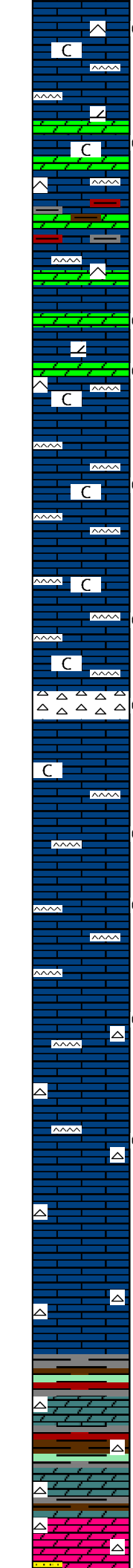
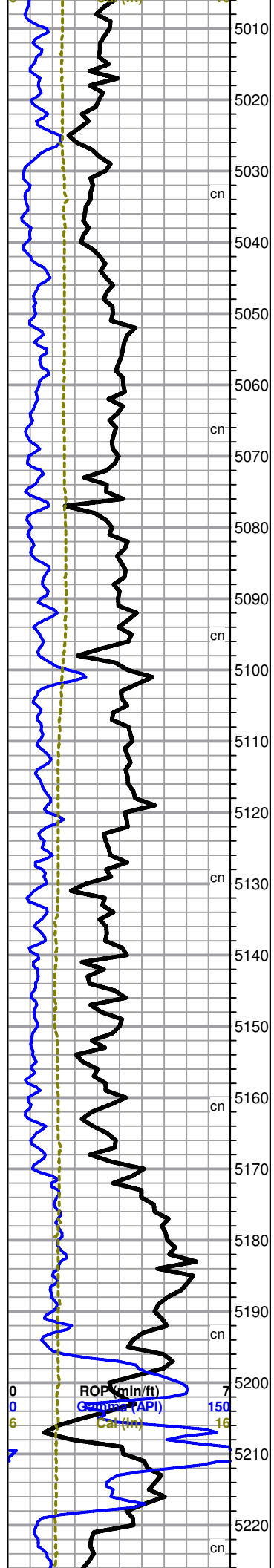
MISSISSIPPIAN LIMESTONE 5005' (-2757')

Total Gas (units) 1000
C1 (units) 1000
C2 (units) 1000
C3 (units) 1000
C4 (units) 1000

Mud-Co Mud Ck @ 4883'
1145 hrs 7.6.13
Vis: 57 Wt: 9.7
PV: 10 YP: 25
WL: 12.8
Cake: 1/32nd
pH: 9.5
CHL: 6,500 ppm
Cal: 100 ppm
Solids: 9.7
LCM: Trc
DMC: \$1,427.80
CMC: \$12,656.65

Shale Kick?

702u Total
Total Gas (units) 1000
858u Total
C1 (units) 1000
C2 (units) 1000
C3 (units) 1000
C4 (units) 1000



Limestone: white lt gray, dense chalky to cherty matrix, micro-vfxln, some dolomitic, imbedded silica, overall poor-fair visible porosity, few pieces with poor spotty stain, very poor scattered dull yellow fluorescence, no cut, with abundant Chert: white gray clear, translucent to opaque, fresh and sharp, some slightly weathered to limey, no shows, some poor fluorescence, no cut, faint odor.

Limestone: as above, with Dolomite: Dolomite: lt gray white, softer friable matrix, sucrosic, some limey, barren, trace edge stain and poor oil show in few pieces upon break with most barren of show, and continued Chert, scattered bright lt yellow fluorescence in sample, little-no cut, faint odor.

As above, with good amount of Shale stringers.

Limestone: white lt cream, dense sub-chalky to dolomitic matrix, microxln, some imbedded silica, fair-poor visible fracture porosity, couple of pieces with poor stain within fractures, couple of oil droplets in sample, with Dolomite: lt gray white, softer friable matrix, sucrosic, some limey, barren, trace edge stain and poor oil show in few pieces upon break, and Chert: white gray, opaque to translucent, fresh and sharp, fossiliferous to barren, few pieces with poor stain in fracture, scattered bright lt yellow fluorescence in sample, little-no cut, faint odor.

Limestone: white lt cream, dense sub-chalky to cherty matrix, microxln, scattered imbedded silica, overall poor visible porosity, no shows, no fluorescence, with Chert: white gray, opaque to translucent, fresh and sharp, fossiliferous to barren, couple pieces with poor stain in fracture, no live shows noted, no fluorescence, no odor.

Note: Samples becoming extremely shaley from this point on with Shale: gray dk gray dk red dk green brown, most splintery and dense.

Limestone: white lt cream, dense sub-chalky to cherty matrix, microxln, scattered imbedded silica, overall poor visible porosity, no shows, no fluorescence, questionable poor cut, with scattered Chert: white gray, opaque to translucent, fresh and sharp, fossiliferous to barren, no shows, no fluorescence, no cut, no odor.

Limestone: lt cream off white, grading to a softer chalky matrix, microxln, barren, poor visible porosity, no shows, no fluorescence, no cut, with scattered Chert: cream tan, translucent, fresh and sharp, slight stain in fractures, spotty bright lt yellow fluorescence, poor-no cut, no odor.

Limestone: tan cream brown, dense cherty matrix, micro-cryptoxln, barren, scattered fracture porosity, few pieces with slight saturated edge stain, very poor show oil droplets upon break in couple of pieces, spotty bright lt yellow fluorescence, bluish-white cut, with scattered Chert: cream tan, opaque to translucent, fresh and sharp with trace sub-weathered, some visible fracture porosity, slight golden stain in couple of pieces, spotty-even bright lt yellow fluorescence, very poor cut, no odor.

Limestone: cream tan brown, dense tight slightly cherty matrix, micro-cryptoxln, barren, scattered poor fracture porosity, most no visible porosity, no shows, no fluorescence, no cut, with Chert: gray white speckled, fresh and sharp, fossiliferous in part, few pieces with poor stain in fracture, scattered bright lt yellow fluorescence, no cut, no odor.

Limestone: cream tan brown, dense tight slightly cherty matrix, micro-cryptoxln, barren, scattered poor fracture porosity, most no visible porosity, no shows, no fluorescence, no cut, with Chert: gray white speckled, fresh and sharp, fossiliferous in part, few pieces with poor stain in fracture, scattered bright lt yellow fluorescence, no cut, no odor.

Limestone: cream tan brown, dense tight slightly cherty matrix, micro-cryptoxln, barren, scattered poor fracture porosity, most no visible porosity, no shows, no fluorescence, no cut, with scattered Chert: white, opaque to translucent, some fossiliferous-oolitic with most barren, no shows, no cut.

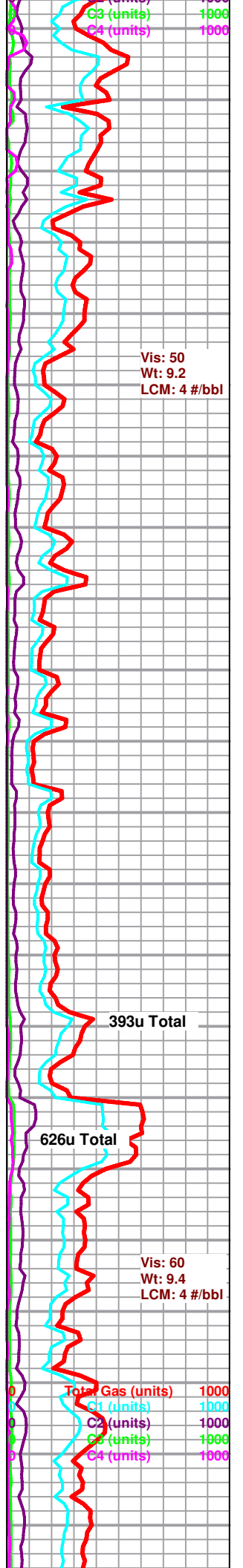
KINDERHOOK 5196' (-2948')

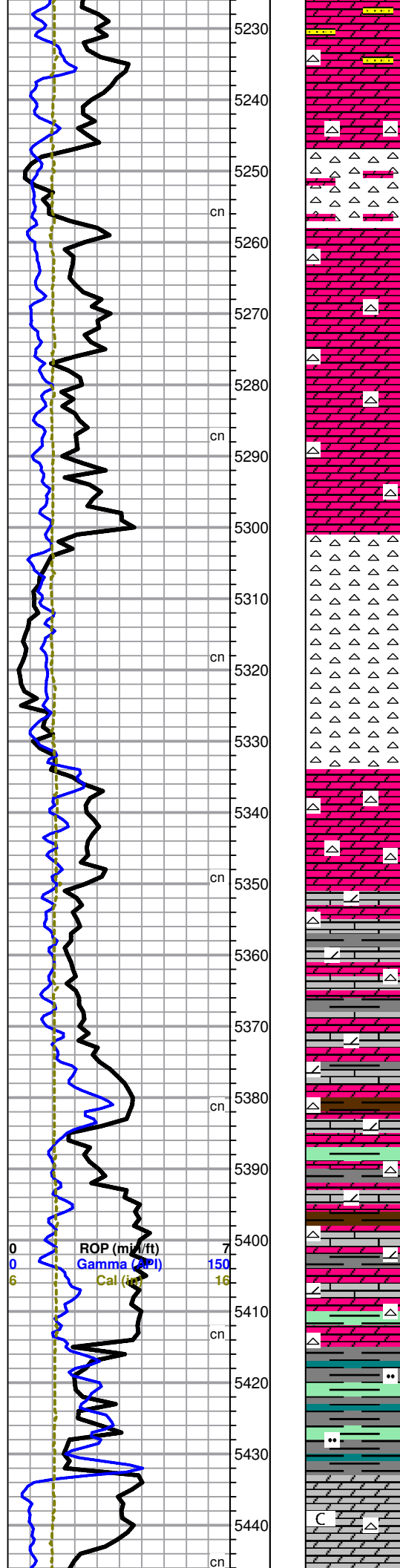
Shale: gray dk gray dk red maroon brown dk green, blocky, most hard and dense, heavy clay percentage, with some scattered Chert: fray dk gray, opaque, fresh and sharp, with interbedded Dolomite: tan brown, dense matrix, microxln, poor sucrosic development, limey in part, poor porosity, no shows, no fluorescence.

Dolomite: tan brown, dense matrix, microxln, poor sucrosic development, limey in part, poor porosity, no shows, no fluorescence, with some scattered Chert as

VIOLA 5218' (-2970')

Dolomite: tan lt brown cream, dense matrix, micro-vfxln, heavily arenaceous, fair-poor visible porosity, no shows, no fluorescence, with scattered Sandstone: clear silica grains in gray lt gray tan brown matrix, dense, vfgained, well





cemented, well sorted angular to sub-rounded grains, poor porosity, no shows, no fluorescence, and fair amount of Chert: bone white lt gray, opaque to translucent, fresh and sharp, sub-fossiliferous to barren.

Dolomite: cream lt gray, dense matrix, microxln, poor xln development and associated porosity, no shows, no fluorescence, with continued Chert, Sandstone stringers drop out.

Influx Chert: bone white lt gray, opaque to translucent, fresh and sharp, and abundant Dolomite: cream lt cream, dense matrix, fxln, good rhombic development and associated porosity, no shows, no fluorescence.

Dolomite: cream lt cream tan, dense matrix, micro-vfxln with some scattered fxln, overall poor xln development with some scattered fair rhombic, most poor visible porosity, no shows, no fluorescence, with Chert: bone white, opaque, fresh and sharp to slightly weathered, fossiliferous to barren, no shows.

Dolomite: cream lt cream tan, dense matrix, micro-vfxln with some scattered fxln, overall poor xln development with some scattered fair rhombic, most poor visible porosity, no shows, no fluorescence, with Chert: bone white, opaque, fresh and sharp to slightly weathered, fossiliferous to barren, no shows.

Chert: bone white, opaque to translucent, fresh and sharp to slightly weathered, sub-fossiliferous to barren, no shows, very poor dull white mineral fluorescence, no cut.

Dolomite: cream tan, dense matrix, micro-vfxln with some scattered fxln, overall poor xln development with some scattered fair rhombic, most poor visible porosity, no shows, no fluorescence, with Chert: bone white, opaque, fresh and sharp to slightly weathered, fossiliferous to barren, no shows.

Dolomite: cream tan brown, dense matrix, micro-vfxln, some limey to shaley, poor xln development, poor porosity, no shows, no fluorescence, with Limestone: cream tan brown, dense dolomitic matrix, micro-vfxln, shaley in part, barren, poor visible porosity, no shows, no fluorescence, Chert: bone white, opaque, fresh and sharp to slightly weathered, fossiliferous to barren, no shows, and influx Shale: gray dk gray, blocky and firm, most splintery.

Dolomite: cream tan brown, dense matrix, micro-vfxln, some limey to shaley, poor xln development, poor porosity, no shows, no fluorescence, with Limestone: cream tan brown, dense dolomitic matrix, micro-vfxln, shaley in part, barren, poor visible porosity, no shows, no fluorescence, Chert: bone white, opaque, fresh and sharp to slightly weathered, fossiliferous to barren, no shows, and Shale: gray dk gray lt green some brown, blocky and firm, most splintery.

SIMPSON 5415' (-3167')

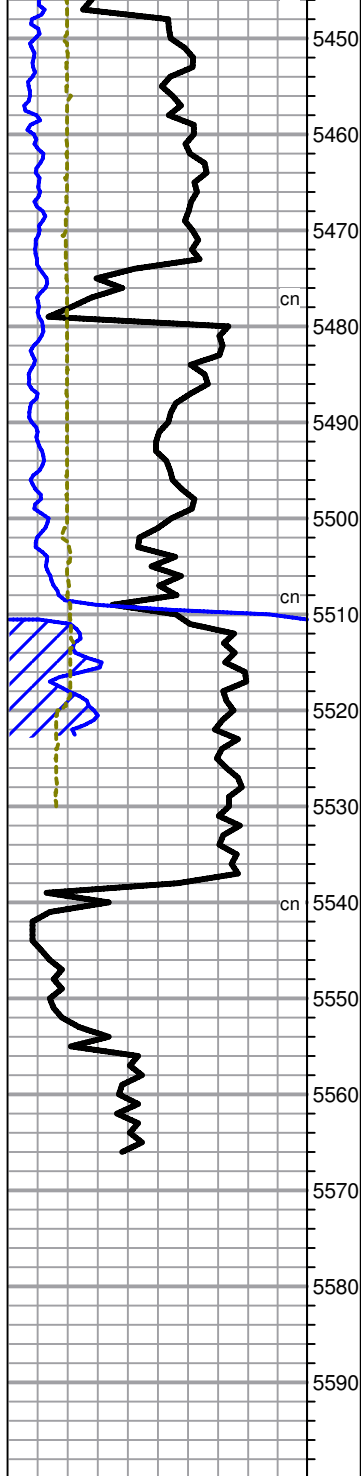
Shale: gray dk gray pale green teal, blocky, most dense and firm with some softer and waxy, silty, abundant splintery material.

SIMPSON DOLOMITE 5433' (-3185')

Dolomite: lt cream lt gray dense matrix, micro-vfxln, poor xln development and associated porosity, no shows, no fluorescence, with scattered Chert: bone white cream, opaque, fresh and sharp, barren, no shows, some dull white

Mud-Co Mud Ck @ 5294'
 1045 hrs 7.7.13
 Vis: 56 Wt: 9.3+
 PV: 17 YP: 21
 WL: 9.6
 Cake: 1/32nd
 pH: 10.0
 CHL: 3,500 ppm
 Cal: 80 ppm
 Solids: 6.8
 LCM: 4 #/bbl
 DMC: \$2,991.70
 CMC: \$15,648.35

Scale Change
 Total Gas (units) 300
 C1 (units) 300
 C2 (units) 300
 C3 (units) 300
 C4 (units) 300



white cream; opaque, fresh and sharp; barren, no shows, and dull white mineral fluorescence, and loose Chalk, sample washes white.

Dolomite: It cream lt gray, dense matrix, micro-vfxln with some scattered coarsexln, poor-fair xln development and associated porosity, no shows, no fluorescence, with scattered Chert: bone white cream, opaque, fresh and sharp, barren, no shows, some dull white mineral fluorescence, and loose Chalk, sample washes white.

Dolomite: It cream cream pink, dense matrix, micro-vfxln, some scattered sub-rhombic development, scattered vugs, poor-fair visible porosity, no shows, no fluorescence, with scattered Chert: bone white cream, opaque, fresh and sharp, barren, no shows, some dull white mineral fluorescence, and loose Chalk, sample washes white.

Shale: teal dk gray gray pale green, mostly blocky, firm and waxy to softer, some scattered pyritic.

Shale: teal dk gray gray pale green, mostly blocky, firm and waxy to softer, some scattered pyritic.

SIMPSON SAND (LOWER) 5538' (-3290') -- Sample Top

Sandstone: clear silica grains in cream white matrix, well cemented with some scattered slightly friable, vf-grained with some coarse grained, fairly sorted, sub-angular to sub-rounded, pyritic in part, shaley in part, poor intergranular porosity, no shows, no fluorescence.

ARBUCKLE 5553' (-3305') -- Sample Top

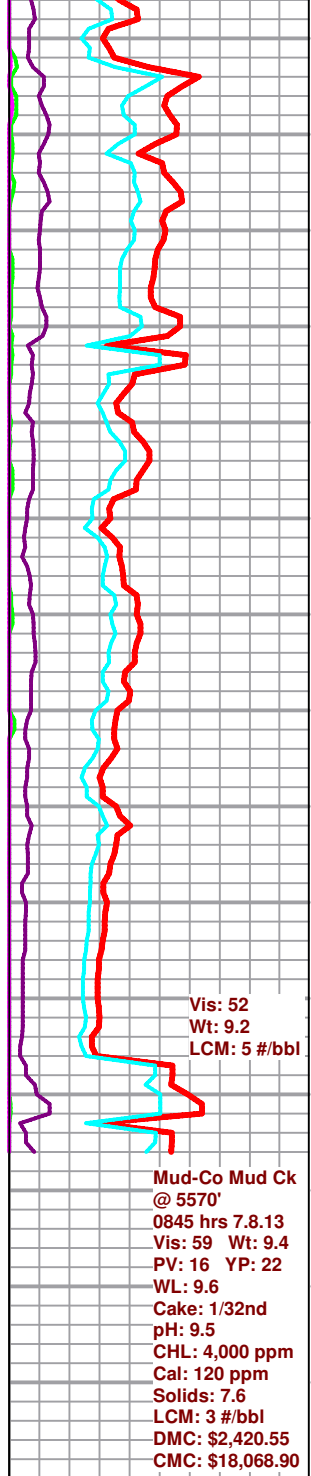
Dolomite: tan lt tan cream, dense matrix, micro-vfxln, poor xln development and associated porosity, no shows, even pale yellow mineral fluorescence.

LTD 5566' (-3318')

RTD 5570' (-3322')

Geologist Derek W. Patterson released 1800 hrs 7.8.13

Respectfully Submitted,
Derek W. Patterson



Mud-Co Mud Ck @ 5570'
0845 hrs 7.8.13
Vis: 59 Wt: 9.4
PV: 16 YP: 22
WL: 9.6
Cake: 1/32nd
pH: 9.5
CHL: 4,000 ppm
Cal: 120 ppm
Solids: 7.6
LCM: 3 #/bbl
DMC: \$2,420.55
CMC: \$18,068.90

2/17/2013

LOG-TECH OF KANSAS, INC.

86 SW 10 AVE.

GREAT BEND, KANSAS 67530

(620) 792-2167

INVOICE

7669

Date 11-6-13

CHARGE TO: LASSO ENERGY LLC

ADDRESS _____

R/A SOURCE NO. _____ CUSTOMER ORDER NO. _____

LEASE AND WELL NO. McCLAREN B'H 1 FIELD _____

NEAREST TOWN Greensburg COUNTY KIOWA STATE Ks

SPOT LOCATION 330' FNL + 330' FEL SEC. 6 TWP. 30S RANGE 18W

ZERO 13' AGL. CASING SIZE 5 1/2" WEIGHT _____

CUSTOMER'S T.D. _____ LOG TECH _____ FLUID LEVEL 2320

ENGINEER S. CIEDLER OPERATOR H. DUEHLER

PERFORATING					
Description	No. Shots	Depth		Amount	
		From	To		
<u>OWEN 4000-317 HSC</u>	<u>13</u>	<u>4901</u>	<u>4910</u>	<u>1020</u>	<u>00</u>

DEPTH AND OPERATIONS CHARGES					
Description	Depth		Total No. Ft.	Price Per Ft.	Amount
	From	To			
<u>SET 5 1/2" ALPHA @ 5010</u>	<u>0</u>	<u>5010</u>	<u>5010</u>	<u>.22</u>	<u>1102 20</u>

MISCELLANEOUS		
Description	Quantity	Amount
<u>Service Charge</u>		<u>550 00</u>
<u>5 1/2" ALPHA 6K</u>		<u>700 00</u>

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE.

Matt B...
Customer Signature

11/6/2013
Date

Sub Total	<u>3372 20</u>
Code Ref.	
Tool Insurance	
Tax	<u>(674.20)</u>
	<u>2698 00</u>

GENERAL TERMS AND CONDITIONS

In consideration of the prices hereinafter set out, it is understood that the following services offered by us are to be performed only under the following terms and conditions.

1. Terms for payment are net 30 days. Interest at the rate of 1.5% per month, 18% per annum, will be charged on accounts over 45 days old.

2. All prices are exclusive of any Federal, State, or Special Taxes imposed on the sale or use of the merchandise and services listed, which taxes will be added to quoted prices where applicable.

3. A reasonable attempt will be made by us to get from the highway to the location and back again under our own power. If tractors or other types of equipment or services are required to give us access to or return from the well location, same will be provided by the Customer at his expense.

4. We endeavor to design and maintain our equipment to safely service properly drilled and conditioned wells. We carry public liability and property damage insurance. As there are so many conditions in and around wells which are uncertain and unknown and not subject to our control, we can neither guarantee the results nor be liable for injuries to property or persons nor for loss or damage arising from the performance of any of our services or resulting therefrom.

5. In the event any of our instruments or equipment is lost in the well, Customer shall either recover same without cost to us, or pay for such instruments or equipment. In case it is necessary for Customer to "fish" for any of our instruments or equipment, Customer assumes the entire responsibility for such operation, but we will, if so desired by Customer, without any responsibility or liability on our part, render assistance in an advisory capacity for the recovery of such equipment and instruments. None of our employees is authorized to do anything other than advise and consult with Customer in connection with such "fishing" operations, and any "fishing" tools furnished by us are furnished solely as an accommodation to Customer, and we shall not be liable or responsible for any damage that Customer may incur or sustain through their use or by reason of any advice or assistance rendered to Customer by our agents or employees, irrespective of cause.

6. In accepting an order to perform or attempt to perform any service involving the use of radioactive material, we do so with the understanding that: we do not guarantee results, and shall not be liable or responsible for injury to or death of persons or damage to property (including, but not limited to injury to the well), or any damages whatsoever, irrespective of the cause, growing out of or in any way connected with our use of radioactive material in the well bore, and Customer shall absolve and hold us harmless against all liability for any loss costs, damages, and expenses incurred or sustained by Customer or any third party, irrespective of the cause, resulting from any such use of radioactive material in the well bore.

7. Customer acknowledges that he is aware of the fact that: the radioactive source used in neutron logging is potentially dangerous to humans and animals; should the neutron source be lost in the well bore that special precautions must be taken in "fishing" in order that the container of the neutron source is not broken or damaged; the neutron source, if not recovered, must be isolated by cementing it in place or by some other appropriate means that is in agreement with the policy of the Atomic Energy Commission pertaining to the situation.

8. In making any interpretation of logs our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences for electrical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretation, and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our officers, agents, or employees.

9. Information derived by us in rendering our services will be held in strict confidence and will be released only upon written approval of the Customer.

10. The Customer will have the responsible representative present to issue orders relative to the service or services to be performed.

11. Prices subject to change without notice.

2/17/2013

LOG-TECH OF KANSAS, INC.

86 SW 10 AVE.

GREAT BEND, KANSAS 67530

(620) 792-2167

INVOICE

7694

Date 11-13-2013

CHARGE TO: Lasso Energy
 ADDRESS _____
 R/A SOURCE NO. _____ CUSTOMER ORDER NO. _____
 LEASE AND WELL NO. McClaron "B" #1 FIELD Nichols
 NEAREST TOWN Greensburg COUNTY Kiowa STATE K.S.
 SPOT LOCATION 330' FNL: 330' FEL SEC. 6 TWP. 30S RANGE 18W
 ZERO 17' AGL CASING SIZE 5 1/2 WEIGHT _____
 CUSTOMER'S T.D. _____ LOG TECH #53 FLUID LEVEL 3580'
 ENGINEER Lance Gregg OPERATOR J. Welcher

PERFORATING				
Description	No. Shots	From	Depth To	Amount
<u>Titan (4029-323T)</u>	<u>24</u>	<u>4904</u>	<u>4910</u>	<u>2170⁰⁰</u>
<u>1-DET</u>				

DEPTH AND OPERATIONS CHARGES					
Description	From	Depth To	Total No. Ft.	Price Per Ft.	Amount

MISCELLANEOUS			
Description	Quantity	Amount	
<u>Service Charge</u>	<u>1</u>	<u>550⁰⁰</u>	

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE.

[Signature]
 Customer Signature _____ Date _____

Sub Total	<u>2680⁰⁰</u>
Code Ref. Tool Insurance	
..... Tax	<u>(536.⁰⁰)</u>
	<u>2144⁰⁰</u>

GENERAL TERMS AND CONDITIONS

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1. Terms for payment are net 30 days. Interest at the rate of 1.5% per month, 18% per annum, will be charged on accounts over 45 days old.

2. All prices are exclusive of any Federal, State, or Special Taxes imposed on the sale or use of the merchandise and services listed, which taxes will be added to quoted prices where applicable.

3. A reasonable attempt will be made by us to get from the highway to the location and back again under our own power. If tractors or other types of equipment or services are required to give us access to or return from the well location, same will be provided by the Customer at his expense.

4. We endeavor to design and maintain our equipment to safely service properly drilled and conditioned wells. We carry public liability and property damage insurance. As there are so many conditions in and around wells which are uncertain and unknown and not subject to our control, we can neither guarantee the results nor be liable for injuries to property or persons nor for loss or damage arising from the performance of any of our services or resulting therefrom.

5. In the event any of our instruments or equipment is lost in the well, Customer shall either recover same without cost to us, or pay for such instruments or equipment. In case it is necessary for Customer to "fish" for any of our instruments or equipment, Customer assumes the entire responsibility for such operation, but we will, if so desired by Customer, without any responsibility or liability on our part, render assistance in an advisory capacity for the recovery of such equipment and instruments. None of our employees is authorized to do anything other than advise and consult with Customer in connection with such "fishing" operations, and any "fishing" tools furnished by us are furnished solely as an accommodation to Customer, and we shall not be liable or responsible for any damage that Customer may incur or sustain through their use or by reason of any advice or assistance rendered to Customer by our agents or employees, irrespective of cause.

6. In accepting an order to perform or attempt to perform any service involving the use of radioactive material, we do so with the understanding that: we do not guarantee results, and shall not be liable or responsible for injury to or death of persons or damage to property (including, but not limited to injury to the well), or any damages whatsoever, irrespective of the cause, growing out of or in any way connected with our use of radioactive material in the well bore, and Customer shall absolve and hold us harmless against all liability for any loss costs, damages, and expenses incurred or sustained by Customer or any third party, irrespective of the cause, resulting from any such use of radioactive material in the well bore.

7. Customer acknowledges that he is aware of the fact that: the radioactive source used in neutron logging is potentially dangerous to humans and animals; should the neutron source be lost in the well bore that special precautions must be taken in "fishing" in order that the container of the neutron source is not broken or damaged; the neutron source, if not recovered, must be isolated by cementing it in place or by some other appropriate means that is in agreement with the policy of the Atomic Energy Commission pertaining to the situation.

8. In making any interpretation of logs our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences for electrical or other measurements, we cannot, and do not, guarantee the accuracy of correctness of any interpretation, and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our officers, agents, or employees.

9. Information derived by us in rendering our services will be held in strict confidence and will be released only upon written approval of the Customer.

10. The Customer will have the responsible representative present to issue orders relative to the service or services to be performed.

11. Prices subject to change without notice.

2/17/2013

LOG-TECH OF KANSAS, INC.

86 SW 10 AVE.

GREAT BEND, KANSAS 67530

(620) 792-2167

INVOICE

7700

Date 11-20-2013

CHARGE TO: Lasso Energy
 ADDRESS _____
 R/A SOURCE NO. _____ CUSTOMER ORDER NO. _____
 LEASE AND WELL NO. McClaren B-1 FIELD Nichols
 NEAREST TOWN Greensburg COUNTY kiowa STATE K.S.
 SPOT LOCATION 230' FNL! 330' FEL SEC. 6 TWP. 30s RANGE 18w
 ZERO 17' AGL CASING SIZE 5 1/2 WEIGHT _____
 CUSTOMER'S T.D. _____ LOG TECH #53 FLUID LEVEL 2330
 ENGINEER Lance Gregg OPERATOR J. Welch

PERFORATING				
Description	No. Shots	Depth		Amount
		From	To	
<u>Titan (4039-721T)</u>	<u>16</u>	<u>4346</u>	<u>4350</u>	<u>1730⁰⁰</u>

DEPTH AND OPERATIONS CHARGES						
Description	From	Depth		Total No. Ft.	Price Per Ft.	Amount
		To				
<u>set 5 1/2 CBP At</u>	<u>0</u>	<u>4650</u>	<u>4650</u>	<u>22</u>	<u>1023⁰⁰</u>	

MISCELLANEOUS		
Description	Quantity	Amount
<u>Service Charge</u>	<u>1</u>	<u>550⁰⁰</u>
<u>5 1/2 CBP DB-S weatherford</u>	<u>1</u>	<u>700⁰⁰</u>

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE.

Lance Gregg
 Customer Signature _____ Date _____

Sub Total	<u>4003⁰⁰</u>
Code Ref. Tool Insurance	
Tax	<u>(801⁰⁰)</u>
Total	<u>3202⁰⁰</u>

GENERAL TERMS AND CONDITIONS

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3. A reasonable attempt will be made by us to get from the highway to the location and back again under our own power. If tractors or other types of equipment or services are required to give us access to or return from the well location, same will be provided by the Customer at his expense.

4. We endeavor to design and maintain our equipment to safely service properly drilled and conditioned wells. We carry public liability and property damage insurance. As there are so many conditions in and around wells which are uncertain and unknown and not subject to our control, we can neither guarantee the results nor be liable for injuries to property or persons nor for loss or damage arising from the performance of any of our services or resulting therefrom.

5. In the event any of our instruments or equipment is lost in the well, Customer shall either recover same without cost to us, or pay for such instruments or equipment. In case it is necessary for Customer to "fish" for any of our instruments or equipment, Customer assumes the entire responsibility for such operation, but we will, if so desired by Customer, without any responsibility or liability on our part, render assistance in an advisory capacity for the recovery of such equipment and instruments. None of our employees is authorized to do anything other than advise and consult with Customer in connection with such "fishing" operations, and any "fishing" tools furnished by us are furnished solely as an accommodation to Customer, and we shall not be liable or responsible for any damage that Customer may incur or sustain through their use or by reason of any advice or assistance rendered to Customer by our agents or employees, irrespective of cause.

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10. The Customer will have the responsible representative present to issue orders relative to the service or services to be performed.

11. Prices subject to change without notice.

1/20/2013

COPELAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
C41897-IN

BILL TO:
LASSO OIL
P.O. BOX 465
CHASE, KS 67524

LEASE: MCCLAREN B-1

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
11/18/2013	C41897		11/07/2013		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
50.00	MI	MILEAGE PUMP TRUCK		0.00	4.00	200.00
50.00	MI	MILEAGE PU TRUCK		0.00	2.00	100.00
1.00	EA	PUMP CHARGE		0.00	550.00	550.00
750.00	GAL	15% NEFE ACID		0.00	1.90	1,425.00
2.00	GAL	CORROSION INHIBITOR		0.00	40.00	80.00
3.00	GAL	CLAY-PLEX		0.00	25.00	75.00
2.00	GAL	KCL - LIQUID		0.00	23.50	47.00
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		2,477.00
RECEIVED BY _____		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		KIOCO Sales Tax:		39.33
		NET 30 DAYS		Invoice Total:		2,516.33

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code



FIELD ORDER N° C 41897

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 11/7/10 20

IS AUTHORIZED BY: Lessor Energy (NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease McClain Well No. 10-1 Customer Order No. _____

Sec. Twp. Range _____ County McPherson State Ks

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED _____ By _____
Well Owner or Operator Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
3	50	mileage pump truck	4 ⁰⁰	200 ⁰⁰
3	50	mileage pickup	2 ⁰⁰	100 ⁰⁰
3	1	Pump Chase (Drill)		550 ⁰⁰
3	750	15% KAL NC	1 ⁹⁰	1,425 ⁰⁰
3	2	Inhibitor	25 ⁰⁰	50 ⁰⁰
3	3	Clay-Max	25 ⁰⁰	75 ⁰⁰
3	2	KCL	23 ⁵⁰	47 ⁰⁰
		Bulk Charge		
		Bulk Truck Miles		
		Process License Fee on _____ Gallons		
TOTAL BILLING				2,177⁰⁰

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Nathan Lee
Station G.B.

Matt
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

1/20/2013

COPELAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
C41898-IN

BILL TO:
LASSO OIL
P.O. BOX 465
CHASE, KS 67524

LEASE: McClAREN B-1

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
11/18/2013	C41898		11/08/2013		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
50.00	MI	CEMENT MILEAGE PUMP TRUCK		0.00	4.00	200.00
50.00	MI	CEMENT MILEAGE PU TRUCK		0.00	2.00	100.00
1.00	EA	CEMENT PUMP CHARGE		0.00	950.00	950.00
100.00	SAX	COMMON CEMENT		0.00	11.25	1,125.00
50.00	LB	C-12		0.00	3.75	187.50
1.00	EA	MIN. BULK CHARGE		0.00	150.00	150.00
236.50	MI	BULK TRUCK - TON MILES		0.00	1.10	260.15
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		2,972.65
RECEIVED BY _____		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		KIOCO Sales Tax:		67.93
		NET 30 DAYS		Invoice Total:		3,040.58

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code



FIELD ORDER N^o C 41898

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 11/5/13 20

IS AUTHORIZED BY: Lease Energy (NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease McClaren Well No. 15-1 Customer Order No. _____

Sec. Twp. Range _____ County Lincoln State Ks

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED _____ Well Owner or Operator By _____ Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	50	mileage pump truck	4. ⁰⁰ / ₁₀₀	200. ⁰⁰ / ₁₀₀
2	50	mileage pickup	2. ⁰⁰ / ₁₀₀	100. ⁰⁰ / ₁₀₀
2	1	Pump Charge (Squance)		950. ⁰⁰ / ₁₀₀
2	100	Common	11. ⁷⁵ / ₁₀₀	1,175. ⁰⁰ / ₁₀₀
2	50	C 12	3. ⁵⁰ / ₁₀₀	175. ⁰⁰ / ₁₀₀
2	101	Bulk Charge		150. ⁰⁰ / ₁₀₀
2		Bulk Truck Miles 4737 x 50m = 236.5 Truck 1 ⁰⁰ / ₁₀₀	1. ⁰⁰ / ₁₀₀	236. ⁵⁰ / ₁₀₀
		Process License Fee on _____ Gallons		
TOTAL BILLING				2,972.⁰⁰/₁₀₀

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative [Signature]
Station G.B.

[Signature]
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

1/29/2013

COPELAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
C40602-IN

BILL TO:
LASSO OIL
P.O. BOX 465
CHASE, KS 67524

LEASE: McCLAREN B #1

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
11/26/2013	C40602		11/21/2013		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
50.00	MI	MILEAGE PUMP TRUCK		0.00	4.00	200.00
50.00	MI	MILEAGE PU TRUCK		0.00	2.00	100.00
1.00	EA	PUMP CHARGE		0.00	550.00	550.00
400.00	GAL	15% NEFE ACID		0.00	1.90	760.00
1.00	GAL	CORROSION INHIBITOR		0.00	40.00	40.00
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		1,650.00
RECEIVED BY _____		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		KIOCO Sales Tax:		39.33
		NET 30 DAYS		Invoice Total:		1,689.33

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service
 Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code



FIELD ORDER N° C 40602

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 11/21 2013

IS AUTHORIZED BY: LASSU Energy
(NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease McClaren B Well No. 41 Customer Order No. _____

Sec. Twp. Range _____ County KIOWA State Ks

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our Invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED _____ By _____
Well Owner or Operator Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
3	50	miles mileage charge	4.00	200.00
3	50	miles pickup mileage charge	2.00	100.00
3		Acid Pump Charge		550.00
3	400	gals 15% NF/FE	1.90	760.00
3	1	gal Corrosion Inhibitor		40.00
		Bulk Charge		
		Bulk Truck Miles		
		Process License Fee on _____ Gallons		
TOTAL BILLING				1650.00

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Tu Dittler

Station GB

Bruce
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

1/29/2013

COPELAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
C41980-IN

BILL TO:
LASSO OIL
P.O. BOX 465
CHASE, KS 67524

LEASE: McClAREN B-1

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
11/26/2013	C41980		11/21/2013		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
50.00	MI	MILEAGE PUMP TRUCK		0.00	4.00	200.00
50.00	MI	MILEAGE PU TRUCK		0.00	2.00	100.00
1.00	EA	PUMP CHARGE		0.00	550.00	550.00
1,700.00	GAL	15% NE ACID		0.00	1.65	2,805.00
4.00	GAL	CORROSION INHIBITOR		0.00	40.00	160.00
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		TOL		Net Invoice:		3,815.00
RECEIVED BY _____		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		KIOCO Sales Tax:		39.33
				Invoice Total:		3,854.33
				NET 30 DAYS		

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service
 Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code



FIELD ORDER N° C 41980

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 11/7/13 20

IS AUTHORIZED BY: Lasso Energy (NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease McClernan Well No. B-1 Customer Order No. _____

Sec. Twp. Range _____ County kiowa State ks

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

Well Owner or Operator

By

Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
3	50	mileage pump truck	4.00	200.00
3	50	mileage pickup	2.00	100.00
3	1	Pump Charge (Acid)		550.00
3	1,700	15% A.C.	1.40	2,380.00
3	4	Inhibitor	40.00	160.00
		Bulk Charge		
		Bulk Truck Miles		
		Process License Fee on _____ Gallons		
TOTAL BILLING				3,415.00

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Michael G.S.

Station G.S.

Math

Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

