



KANSAS CORPORATION COMMISSION 1098407
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1098407

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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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MAP EXPLORATION, INC.

MICHAEL ANTHONY POLLOK, PRES.

P.O. BOX 106 ■ PURCELL, OKLAHOMA 73080
OFFICE 405/527-6038 ■ HOME 405/527-5200 ■ MOBILE 405/823-4493 ■ FAX 405/527-7629
■ E-MAIL: mapexpl@aol.com

GEOLOGICAL REPORT LUNDY 4-4 NW NW SECTION 4 – T20S – R24W NESS COUNTY, KANSAS

SUMMARY

The above captioned well was drilled to a total depth of 4,496 feet on March 13, 2012. A one-man logging unit was on location from approximately 2,100 feet to TD, with one-man mud-logging beginning at 3,600 feet to TD. The well was under the geological supervision of the undersigned during logging of the well. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density and Micro-Resistivity. From the data collected while drilling and analyzing, potential hydrocarbon shows were encountered in the Fort Scott and the Mississippian Dolomite. The decision was made to set production casing and complete the well in the Fort Scott and Mississippian zones.

FORT SCOTT

The Fort Scott was encountered at 4,288 (-1,948) feet. Samples were described as brown, brownish grey, predominantly micro-crystalline limestone with inter-crystalline porosity and slightly oolitic porosity. A bright green to yellow fluorescence was observed, faint odor, as well as brown oil stain and excellent streaming cut. There was a three foot drilling break. The electric logs indicated a four foot porosity zone with an average cross-plotting porosity of 12%, with crossover occurring with the density and neutron. There is also very good resistivity and positive micro-log separation.

MISSISSIPPIAN

The top of the Mississippian was cut at 4,384 (-2,044) feet. The dolomite has an average of 17% neutron porosity observed. Samples were described as cream, tan light brown, very fine to fine crystalline dolomite. It was very sucrosic, with a trace of imbedded glauconite and abundant kaolite. There was scattered off white, opaque, fresh chert. Very good pin-point, vugular porosity, and very good inter-crystalline porosity were observed. An abundant dull yellow fluorescence, an abundant light brown to brown live oil stain to saturated staining, a flash and excellent streaming cut, and good oil odor were recorded.


ELECTRIC LOG TOPS

	REDLAND LUNDY 4-4 C NW NW 4-T20S-R24W	REDLAND FILBERT 4-3 C NE NW 4-T20S-R24W	McCOY SCHLEGEL "A" 1 NE NE NE 5-T20S-R24W
STONE CORRAL (Subsea)	1602 (+738)	1582 (+745)	1607 (+735)
BS. HEEBNER (Subsea)	3732 (-1392)	3712 (-1385)	3730 (-1388)
FORT SCOTT (Subsea)	4288 (-1948)	4267 (-1940)	4289 (-1947)
CHEROKEE SH. (Subsea)	4312 (-1972)	4292 (-1965)	4313 (-1971)
MISS. UNCON. (Subsea)	4384 (-2044)	4364 (-2037)	4380 (-2038)

CONCLUSION

The Lundy 4-4 was drilled as a western extension development well for the potential of hydrocarbon pay in both the Fort Scott and Mississippian Dolomite. After all the data was gathered and analyzed it was determined that the Fort Scott and Mississippian Dolomite zones should be economically productive. A decision was made to set pipe and complete the Mississippian interval as well as the Fort Scott.

Respectfully submitted,



Chase Thomas

Geo-Tech

03/26/12

ALLIED CEMENTING CO., LLC. 037961

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Medicine Lake, Ks.

DATE <u>4-13-2012</u>	SEC. <u>4</u>	TWP. <u>20S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION <u>8:30am</u>	JOB START <u>9:30am</u>	JOB FINISH <u>10:30am</u>
LEASE <u>Lundy</u>		WELL# <u>4-14</u>	LOCATION <u>Jesmore, Ks, 18 miles, West</u>			COUNTY <u>Ness</u>	STATE <u>Ks</u>
<input checked="" type="radio"/> OLD OR NEW (Circle one)			<u>1/4 south, e/nad</u>				

CONTRACTOR Alliance Well Service OWNER Resident Resources

TYPE OF JOB Squeeze

HOLE SIZE _____ T.D. _____ CEMENT _____

CASING SIZE 4 1/2 10.5# DEPTH _____ AMOUNT ORDERED 80 sy Class A neat

TUBING SIZE 2 3/8 DEPTH 4428' (.32) 7# FL10, 55 sy Class A neat

DRILL PIPE _____ DEPTH _____

TOOL Revsinar DEPTH 4428'

PRES. MAX _____ MINIMUM _____ COMMON C1955A 80sy @ 16.25 1300.00

MEAS. LINE _____ SHOE JOINT _____ POZMIX _____ @ _____

CEMENT LEFT IN CSG. _____ GEL _____ @ _____

PERFS. 4430'-34 _____ CHLORIDE _____ @ _____

DISPLACEMENT 1 bbl Fresh water _____ ASC _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Darin F

471-302 HELPER Derrick, Ron

BULK TRUCK _____

421-252 DRIVER Bronson

BULK TRUCK _____

_____ DRIVER _____

CEMENT

AMOUNT ORDERED 80 sy Class A neat

(.32) 7# FL10, 55 sy Class A neat

COMMON C1955A 80sy @ 16.25 1300.00

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

FL10 7# @ 16.60 116.20

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING 8/ sy @ 2.25 182.25

MILEAGE 81/11/35 311.85

TOTAL 1910.30

REMARKS:

Loss back to 1000psi, Injection Rate
3 bpm at 1500psi in 10 bbls water, mix 25 sy
Class A + .3% FL10, mix 85 sy Class A neat
Shut down, wash pump & lines. Start displacement
pump 1 bbls of fresh water to 2000psi, stop
out, Reverse out 105 bbls at 3 bpm
20 sy cement behind pipe

SERVICE

DEPTH OF JOB 4428'

PUMP TRUCK CHARGE _____ 1050.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 35 @ 2.00 245.00

MANIFOLD Squeeze @

Light vehicle 35 @ 4.00 140.00

_____ @ _____

TOTAL 1435.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES 3345.30

DISCOUNT _____ IF PAID IN 30 DAYS

CHARGE TO: Resident Resources

STREET _____

CITY _____ STATE _____ ZIP _____

To Allied Cementing Co., 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 David Hickman

SIGNATURE David Hickman

Net @ 2676.24

ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

27172

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

SERVICE POINT:
LIBERAL, Ks

DATE <u>3-14-12</u>	SEC <u>4</u>	TWP. <u>20S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 AM</u>	JOB FINISH <u>8:30 AM</u>
LEASE <u>LUNDY</u>		WELL# <u>4-4</u>	LOCATION <u>S. OF PERS. CITY, Twp. 60</u>			COUNTY <u>NESS</u>	STATE <u>KS</u>
OLD OR (NEW) (Circle one) <u>NEW</u>			<u>SW 1/4 S E to L</u>				

CONTRACTOR <u>DUKE #7</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>4 1/2 2 STAGE</u>	
HOLE SIZE <u>7 7/8</u>	CEMENT
CASING SIZE <u>4 1/4 10.5</u>	AMOUNT ORDERED <u>175 CLASS ASC 5 1/2 Kalsol</u>
TUBING SIZE	<u>8" OFC-160 + DeWarmer, 1 Gas Block 50 SIC 60/40 4</u>
DRILL PIPE	<u>280 SK Am D 30% C-2 Gas Block 1/4" Floseal</u>
TOOL <u>DU 1300'</u>	COMMON <u>30A</u> @ <u>16.25</u> <u>487.50</u>
PRES. MAX	POZMIX <u>20 Per</u> @ <u>8.50</u> <u>170.00</u>
MEAS. LINE	GEL <u>25K</u> @ <u>21.25</u> <u>47.50</u>
CEMENT LEFT IN CSG. <u>20</u>	CHLORIDE @
PERFS.	ASC <u>175 SK</u> @ <u>17.00</u> <u>3325.00</u>
DISPLACEMENT <u>71 BBL</u>	<u>FL-160 132 CB</u> @ <u>17.00</u> <u>2220.00</u>

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>R. My An</u>
#	HELPER <u>Lundy</u>
BULK TRUCK	
# <u>472/467</u>	DRIVER <u>Rubin</u>
BULK TRUCK	
# <u>457/251</u>	DRIVER <u>Angela</u>

<u>FL-160 132 CB</u>	@ <u>17.00</u>	<u>2220.00</u>
<u>DEWARMER 64 LB</u>	@ <u>5.90</u>	<u>369.60</u>
<u>Gas Block 6K</u>	@ <u>12.25</u>	<u>1734.00</u>
<u>Gilsmile 875 LB</u>	@ <u>1.89</u>	<u>1778.75</u>
<u>Floseal 1K LB</u>	@ <u>2.70</u>	<u>307.50</u>
<u>280 SK Am D</u>	@ <u>23.55</u>	<u>6594.00</u>
HANDLING <u>573</u>	@ <u>2.25</u>	<u>1289.25</u>
MILEAGE <u>56 mi x .11</u>		<u>2206.05</u>
		TOTAL <u>19774.85</u>

REMARKS:

Thank You

SERVICE

DEPTH OF JOB	<u>4500'</u>	
PUMP TRUCK CHARGE		<u>2405.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>35</u>	@ <u>7.00</u>	<u>245.00</u>
MANIFOLD <u>Head</u>	@ <u>200</u>	<u>200.00</u>
<u>FUEL w. 35</u>	@ <u>4.00</u>	<u>140.00</u>
		TOTAL <u>2990.00</u>

CHARGE TO: REDLAND RES
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>4 1/2</u>		
1- <u>AEU SHRE</u>	@	<u>424.00</u>
7- <u>TERRACE TRENDS</u>	@ <u>77.00</u>	<u>539.00</u>
1- <u>BASKET</u>	@	<u>270.00</u>
1- <u>OUTGAL</u>	@	<u>3187.00</u>
<u>CATCH DOWN</u>	@	<u>733.00</u>
		TOTAL <u>4653.00</u>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
TOTAL CHARGE 27417.85
DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE David Fisher

PRINTED NAME _____

ALLIED CEMENTING CO., LLC. 042494

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend

DATE <u>3-7-12</u>	SEC <u>4</u>	TWP. <u>20S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30pm</u>	JOB FINISH <u>8:15pm</u>
LEASE <u>Lundy</u>		WELL # <u>44</u>		LOCATION <u>Ness City KS South To</u>		COUNTY <u>Ness</u>	STATE <u>KS</u>
OLD OR <u>(NEW)</u> (Circle one)				<u>66th RD S west 1/4 south East 1/4</u>			

CONTRACTOR Duke 2
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 216
 CASING SIZE 8 1/2 DEPTH 216
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 20
 PERFS.
 DISPLACEMENT 12.45 BBLS

OWNER Redland Resources
 CEMENT
 AMOUNT ORDERED 1705x Class A
+ 396 cc + 298 Gal

EQUIPMENT
 PUMP TRUCK CEMENTER Wayne
 # 398 HELPER Greg
 BULK TRUCK
 # 344/170 DRIVER Kevvy
 BULK TRUCK
 # DRIVER

COMMON <u>170</u>	@ <u>16.25</u>	<u>2762.50</u>
POZMIX	@	
GEL <u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE <u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>179</u>	@ <u>2.25</u>	<u>402.75</u>
MILEAGE <u>179x 35x.11</u>	<u>295.35</u>	<u>349.00</u>
TOTAL		<u>3922.20</u>

REMARKS:

Pipe on Bottom Break circulation with Rig mud. Run 3 BBLS fresh water ahead
Mix 170 5x class A + 396cc + 298 Gal
Displace 12.45 BBLS fresh water
Shut in.
Cement did circulate w/ back up
Rig Down

SERVICE

DEPTH OF JOB <u>216</u>		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>Hum 30</u>	@ <u>7.00</u>	<u>210.00</u>
MANIFOLD	@	
<u>Hum 30</u>	@ <u>4.00</u>	<u>120.00</u>
	@	
TOTAL		<u>1455.00</u>

CHARGE TO: Redland Resources
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
Concrete Plug	@	
	@	
	@	
	@	
TOTAL		

To Allied Cementing Co., 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 David Hickman
 SIGNATURE David Hickman

SALES TAX (If Any) _____
 TOTAL CHARGES 5377.20
70% 20% 1412.47
 DISCOUNT _____ IF PAID IN 30 DAYS
3964.76