



KANSAS CORPORATION COMMISSION 1053011  
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: \_\_\_\_\_



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

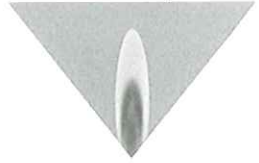
Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# QUEST

Resource Corporation



211 W. 14TH STREET,  
CHANUTE, KS 66720  
620-431-9500

AFE  
D10074

231

TICKET NUMBER

6994

FIELD TICKET REF # \_\_\_\_\_

FOREMAN Joe Blanchard

SSI \_\_\_\_\_

API \_\_\_\_\_

## TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-2-10	Thorsell William 18-2	18	28	17	wt

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe Blanchard	11:00	3:00		904850		4	<i>[Signature]</i>
Chris Miller	11:00	3:00				4	<i>[Signature]</i>
Curt Collins	11:00	3:00		931385	931590	4	<i>[Signature]</i>
Robert Fife	11:00	3:00		931300	932895	4	<i>[Signature]</i>
Matt Raff	11:00	2:30		903206		3.5	<i>[Signature]</i>

JOB TYPE Logging HOLE SIZE 7 7/8 HOLE DEPTH 1045 CASING SIZE & WEIGHT 5 1/2 16#  
 CASING DEPTH 1037.07 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 24.69 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4bpm

REMARKS:

Washed 15 Ft 5 1/2 in hole Sump 45KS gal. Installed cement head RAN 16 BBI dye & 150 SKS of cement To get dye to surface. Flush pump. Pump Wiper plug to bottom & set float shoe.

Cement to surface.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
904850	4 hr	Foreman Pickup	
903197	4 hr	Cement Pump Truck	
903206	3.5 hr	Bulk Truck	
931385	4 hr	Transport Truck	
931590	4 hr	Transport Trailer	
		80 Vac	
	1037.07 FT	Casing 5 1/2	
	6	Centralizers	
	1	Float Shoe	
	1	Wiper Plug	
	0	Frac Baffles	
	125 SK	Portland Cement	
	30 SK	Gilsonite	
	2 SK	Flo-Seal	
	15 SK	Premium Gel	
	4 SK	Cal Chloride	
	1	KCT 5 1/2 Cement Basket	
	2000 gal	City Water	
931300	4 hr	Casing truck	
932895	4 hr	Casing trailer	



PostRock<sup>®</sup>  
Energy Corporation

DATE: 12/02/2010

McPherson Drilling

## Geology Brief - Data taken from Driller's Log &amp; Compensated Density Log

<b>WELL NAME:</b>	Thorsell, William	<b>SECTION:</b>	18	<b>REPORT #:</b>		<b>SPUD DATE:</b>	11/30/2010 Tuesday
<b>WELL #:</b>	18-2	<b>TWP:</b>	28S	<b>DEPTH:</b>	1045 ft.		
<b>FIELD:</b>	Cherokee Basin	<b>RANGE:</b>	17E	<b>PBTD:</b>			
<b>COUNTY:</b>	Wilson	<b>ELEVATION:</b>	1072 ft. Estimate	<b>FOOTAGE:</b>	1980	<b>FT FROM</b>	North
<b>STATE:</b>	Kansas	<b>API #:</b>	15-205-27881-0000		660	<b>FT FROM</b>	West
							SECTION LINE
							SECTION LINE
							SW NW

Jayhawk

**ACTIVITY DESCRIPTION:** From Chanute go West out 21st St. (about 9 miles) to Scott Rd., South 3 miles to 1700 Rd, North 1/16 mile & East into

McPherson Drilling, Andy Coats, drilled to TD 1045 ft. on Wednesday, 12/01/2010 at 12:00 Noon.

Surface Casing @ 21.0 ft., with 4 sacks cement. Surface Casing size: 8 5/8 inch.

GAS SHOWS:	Gas Measured	E-Log	COMMENTS: Damp at 270 ft. Injecting water at 300 ft.
Stark Shale	0 mcf/day @	430-434 FT.	Gas test at 400 ft. & 479 ft.
Hushpuckney Shale	0 mcf/day @	496-500 FT.	More water at 500 ft. & 550 ft.
South Mound Shale	0 mcf/day @	566-570 FT.	Gas test at 579 ft.
Holdenville Shale	0 mcf/day @	612-617 FT.	<b>No Baffles in this Well.</b>
Bandera Shale	0 mcf/day @	658-662 FT.	Gas test at 700 ft.
Mulberry Shale/Coal	3 mcf/day @	754-757 FT.	3 mcf/day from Mulberry. Gas test at 760 ft.
Lexington Shale/Coal	3 mcf/day @	779-782 FT.	Gas test at 779 ft.
Summit Shale	3 mcf/day @	834-842 FT.	Gas test at 845 ft.
Excello/Mulky Shale/Coal	3 mcf/day @	848-856 FT.	Gas test at 859 ft.
Bevier Shale/Coal	3 mcf/day @	Absent FT.	
Verdigris Limestone	3 mcf/day @	Absent FT.	More water at 915 ft.
Croweburg Shale/Coal	3 mcf/day @	Absent FT.	
Fleming Shale/Coal	3 mcf/day @	1026-1029 FT.	Cleaned Hole 30 minutes, injected foam, worked pipe.
TD: 1045 ft.	3 mcf/day @		Gas test at TD. Pit 1/2 full.

Note: Water coming into the hole from zones drilled affects Drilling & Gas Tests. These Wells may require a booster to reach target TD.

This water pressure may cause the Gas coming into the hole to be sporadic and/or appear non-existent, giving false readings of initial Gas measured.

Bottom of Production Pipe, from Tally Sheet: 1037.07 ft. Production Casing Set by PostRock.

Bottom Logger: 1038.70 ft. Driller TD: 1045 ft.

Shoe & Centralizer Set on bottom joint & Centralizers Set every 5 joints to surface. Cement Basket above the Stark Shale.

## OTHER COMMENTS:

Information in this report was taken directly from the Drillers hand written notes, Geologists examination of rock samples with a hand lens & the Compensated Density Log (Field Copy) only. Gas Tests reflect what the driller wrote down during drilling activities. All zones are picked on site with minimal Log correlation. Detailed work with Logs may provide more accurate data for reservoir analysis.

Pawnee Lime / Pink - odor	757-779
Oswego Coal	814-816
Oswego Lime - odor	816-834
Cattleman Sand - free oil	971-1026

Note: All Shales in this Geology Brief are Black Carbonaceous Shales.

CASING RECOMMENDATIONS: Run 5.5 inch casing / Cement to surface

On Site Supervisor/Representative: Ken Recoy, Senior Geologist, AAPG CPG #5927 Cell: 620-305-9900 [krecoy@pstr.com](mailto:krecoy@pstr.com)

End of Geology Brief. Thank You!

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



phone: 316-337-6200  
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Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

March 30, 2011

LANCE GALVIN  
PostRock Midcontinent Production LLC  
Oklahoma Tower  
210 Park Ave, Ste 2750  
OKLAHOMA CITY, OK 73102

Re: ACO1  
API 15-205-27881-00-00  
THORSELL, WILLIAM 18-2  
NW/4 Sec.18-28S-17E  
Wilson County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
LANCE GALVIN