KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1048122

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 # 33343
Name: PostRock Midcontinent Production LLC
Address 1: Oklahoma Tower
Address 2: 210 Park Ave, Ste 2750
City: OKLAHOMA CITY State: OK Zip: 73102 + __ __ __ __
Contact Person: JENNIFER SMITH
Phone: (620) 431-9500
CONTRACTOR: License # 5675
Name: McPherson, Ron dba McPherson Drilling
Wellsite Geologist: KEN RECOY
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 #:

7/30/2010	7/31/2010	10/7/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-133-27519-00-00
Spot Description:
SE SE SW NE Sec. 8 Twp. 29 S. R. 20 ☐ East ☐ West
2470 Feet from ☐ North / ☐ South Line of Section
1360 Feet from ☐ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☐ SW
County: Neosho
Lease Name: CLEAVER, RUSSELL S Well #: 8-1
Field Name:
Producing Formation: MULTIPLE
Elevation: Ground: 876 Kelly Bushing: 0
Total Depth: 857 Plug Back Total Depth: 842
Amount of Surface Pipe Set and Cemented at: 39 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☐ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 842
feet depth to: 0 w/ 130 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated

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:** Deanna Garrison **Date:** 12/14/2010

Side Two

1048122

Operator Name: PostRock Midcontinent Production LLC Lease Name: CLEAVER, RUSSELL S Well #: 8-1

Sec. 8 Twp. 29 S. R. 20 ☐ East ☐ West County: Neosho

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 ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No
Electric Log Run ☐ Yes ☐ No
Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum
SEE ATTACHED

CASING RECORD ☐ New ☐ 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
SURFACE	12.25	8.625	22	39.6	A	30	
PRODUCTION	7.875	5.5	14.5	842.97	A	130	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	724-727/672-674/666-668	500gal 15%HCLw/ 52bbls 2%kcl water, 747bbls water w/ 2% KCL, Biocide, 8100# 20/40 sand	724-727/672-674/666-668
4	519-521/461-463/430-433/405-407	400gal 15%HCLw/ 55bbls 2%kcl water, 501bbls water w/ 2% KCL, Biocide, 8000# 20/40 sand	519-521/461-463/430-433
4	308-312	300gal 15%HCLw/ 47bbls 2%kcl water, 759bbls water w/ 2% KCL, Biocide, 16500# 20/40 sand	308-312
4	298-302	1600gal 15%HCLw/ 481bbls 2%kcl water	298-302

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
1.5	792	N/A	☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR.	Producing Method:
10/29/2010	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	27	44		

DISPOSITION OF GAS:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	PostRock Midcontinent Production LLC
Well Name	CLEAVER, RUSSELL S 8-1
Doc ID	1048122

All Electric Logs Run

CDL
DIL
NDL
TEMP

231

6958

QUEST
Resource Corporation

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

AFE D10025

TICKET NUMBER
FIELD TICKET REF # _____
FOREMAN Joe Blanchard
SSI _____
API _____

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-30-10	Cleaver Russell 8-1	8	29	20	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe Blanchard	6:00	12:00		903427		6	Joe Blanchard
Tyler Clay	6:00	12:00 PM		904730		6	
DANIEL POPIA	6:00AM	12:00		903255		6	
Josiah Cook	7:00AM	12pm		931414	931395	5	
Russell Chaney	6:00am	12:00		903600		6	

JOB TYPE Surface HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 8 5/8 Surface Pipe
CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 14.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE 4bpm

REMARKS:
Hooked up to Drill Rig RAN 15 SKS of gel while Rig drilled hole for surface Job. Drill Rig RAN Surface Casing in hole & we Pumped 30 SKS of good heavy Cement to Surface. Shut Value on surface Pipe washed up. Left location

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903427	6 hr	Foreman Pickup	
903255	6 hr	Cement Pump Truck	
903600	6 hr	Bulk Truck	
903414	5 hr	Transport Truck	
931395	5 hr	Transport Trailer	
904730	6 hr	80 Vac	
		Casing	
	0	Centralizers	
	0	Float Shoe	
	0	Wiper Plug	
	0	Frac Baffles	
	30 SK	Portland Cement	
	3 SK	Gilsonite	
	0 SK	Flo-Seal	
	15 SK	Premium Gel	
	1 SK	Cal Chloride	
		KCL	
	5000 gal	City Water	

Ravin 4513

Called KCC 8-2-10 Talked to Judy

QUEST
Resource Corporation

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

2nd

D10025

TICKET NUMBER 6967

FIELD TICKET REF # _____

FOREMAN Joe Blanchard

SSI 629560

API _____

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-3-10	Cleaver Russell 8-1	8	29	20	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe Blanchard	7:00	11:00		904850		4	Joe Blanchard
Curt Collins	7:00			931300	932895	4	Curt Collins
Josiah Gouzie	7 AM			931385	931895	4	
LARRY REDDICK	7:00			903600			
Darrell Chaney	7:00am			903197			

JOB TYPE Longstring HOLE SIZE 7 7/8 HOLE DEPTH 855 CASING SIZE & WEIGHT 5 1/2 16#

CASING DEPTH 842.97 DRILL PIPE _____ TUBING _____ OTHER _____

SLURRY WEIGHT 14.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0

DISPLACEMENT 20.07 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4bpm

REMARKS:

Installed Cement head RAN 4 SKS gel & 12 bbl dye & 130 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	
903600	4 hr	Bulk Truck	
931385	4 hr	Transport Truck	
931387	4 hr	Transport Trailer	
		80 Vac	
	842.97 Ft	Casing	
	5	Centralizers	
	1	Float Shoe	
	1	Wiper Plug	
	2	Frac Baffles 4 1/2 at 4"	
	110 SK	Portland Cement	
	20 SK	Gilsonite	
	1 SK	Flo-Seal	
	8 SK	Premium Gel	
	3 SK	Cal Chloride	
		KCL	
	7000 gal	City Water	

Ravin 4513

DATE: 08/16/2010 **McPherson Drilling**

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

WELL NAME:	Cleaver, Russell S.	**SECTION:**	8	**REPORT #:**		**SPUD DATE:**	7/30/2010	
WELL #:	8-1	**TWP:**	29S	**DEPTH:**	857			
FIELD:	Cherokee Basin	**RANGE:**	20E	**PBTD:**				
COUNTY:	Labette	**ELEVATION:**	876 Estimated	**FOOTAGE:**	2470	**FT FROM**	North	**SECTION LINE**
STATE:	Kansas	**API #:**	15-133-27519-0000		1360	**FT FROM**	East	**SECTION LINE**
							SESESWNE	

Fireside

ACTIVITY DESCRIPTION:

McPherson Drilling, Mac McPherson, drilled to TD 857 ft. on Saturday, 07/31/2010 at 11:00 am.
Note: The Kansas Geological Survey (KGS) did not require Rock Samples on this Well.

Surface Casing @ 39.6 ft. in river gravel. PostRock cemented.

Surface Casing Size: 8 5/8"

GAS SHOWS:	**Gas Measured**	**E-Log**	**COMMENTS:**
Mulberry Coal	**0** mcf/day @	**Absent** FT.	
Lexington Shale and Coal	**0** mcf/day @	**223-225** FT.	Gas test at 278 ft.
Summit Shale & Coal	**4** mcf/day @	**298-302** FT.	4 mcf/day from Summit. Gas test at 303 ft.
Mulky Shale & Coal	**4** mcf/day @	**308-312** FT.	Gas test at 328 ft.
Iron Post Coal	**4** mcf/day @	**Absent** FT.	
Bevier Coal	**4** mcf/day @	**405-407** FT.	**Upper baffle Set at 353.95 ft. Big hole.**
Verdigris Limestone	**7** mcf/day @	**425-430** FT.	3 mcf/day from this area. Gas test at 429 ft.
Croweburg Coal & Shale	**7** mcf/day @	**430-433** FT.	
Fleming Coal	**31** mcf/day @	**461-463** FT.	24 mcf/day from this area. Gas test at 479 ft.
#1 Weir Coal - poor	**25** mcf/day @	**534-537** FT.	Gas test at 504 ft.
#2 Weir Coal - poor	**28** mcf/day @	**594-596** FT.	Gas test at 529 ft.
Bartlesville Sandstone	**28** mcf/day @	**Poorly developed** FT.	**Lower baffle set at 627.28 ft. Small hole.**
Rowe Coal	**28** mcf/day @	**666-668** FT.	
Neutral Coal	**21** mcf/day @	**672-674** FT.	Gas test at 679 ft. & 704 ft.
Riverton Coal	**47** mcf/day @	**724-727** FT.	16 mcf/day from this area. Gas test at 729 ft.
Mississippi Chat/Limestone	**47** mcf/day @	**Top at 731** FT.	
TD: 857 ft.	**27** mcf/day @		Gas test at 779 ft. & TD.

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 Tally Sheet: 842.97 ft. Production Casing Set by PostRock.
Bottom Logger: 856.90 ft. **Driller TD: 855 ft.**

Shoe & Centralizer Set on bottom joint & Centralizers Set every 5 joints to surface.

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 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. Below Zones fyi only.

Pawnee LS / Pink	170-223
Oswego Limestone	272-297
Mineral Coal	477-479
Scammon Coal	490-492
Tebo Coal	519-521

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
End of Drilling Report. Thank You!