



KANSAS CORPORATION COMMISSION 1053008
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 # 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: LANCE GALVIN
Phone: (405) 600-7704
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 #: _____

<u>11/29/2010</u>	<u>11/30/2010</u>	<u>12/09/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-205-27884-00-00

Spot Description: _____
SW NE SW SE Sec. 23 Twp. 28 S. R. 16 East West
752 Feet from North / South Line of Section
1,820 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Wilson

Lease Name: STURDEVANT, RICHARD N. Well #: 23-4

Field Name: _____

Producing Formation: MULKY

Elevation: Ground: 877 Kelly Bushing: 0

Total Depth: 865 Plug Back Total Depth: 860

Amount of Surface Pipe Set and Cemented at: 21 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 860

feet depth to: 0 w/ 120 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: 03/31/2011



1053008

Operator Name: PostRock Midcontinent Production LLC Lease Name: STURDEVANT, RICHARD N. Well #: 23-4
 Sec. 23 Twp. 28 S. R. 16 East West County: Wilson

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 Wireline 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:

CDL
 NDL
 TEMP

Log Formation (Top), Depth and Datum Sample

Name Top Datum

SEE ATTACHED

CASING RECORD <input checked="" 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
SURFACE	12.25	8.625	22	21	A	4	
PRODUCTION	7.875	5.5	14.5	860.23	A	120	

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	-			

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	667-672	400 GAL 15% HCL W/ 60 BBLs 2% KCL WATER, 805 BBLs W/ 2% KCL, BIOCID, MAXFLOW, 1550W 2%	667-672

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

Date of First, Resumed Production, SWD or ENHR: 12/21/2010

Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	15	2		

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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PostRock

DATE: 11/30/2010

McPherson Drilling

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

WELL NAME: Sturdevant, Richard N.	SECTION: 23	REPORT #: _____	SPUD DATE: 11/29/2010 Monday
WELL #: 23-4	TWP: 28S	DEPTH: 865	
FIELD: Cherokee Basin	RANGE: 16E	PBTD: _____	
COUNTY: Wilson	ELEVATION: 877 Estimate	FOOTAGE: 752 FT FROM	South SECTION LINE
STATE: Kansas	API #: 15-205-27884-0000	1820 FT FROM	East SECTION LINE
			SWNESWSE

Jayhawk

ACTIVITY DESCRIPTION: From Chanute go West out 21st St. to Thomas, South 5 miles to 1500 Road, West 1/4 mile & North into

McPherson Drilling, Andy Coats, drilled to TD 865 ft. on Tuesday, 11/30/2010 at 11:00 am.

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 90 ft. Injecting water at 178 ft.
Stark Shale	0 mcf/day @	240-242 FT.	
Hushpuckney Shale	0 mcf/day @	303-306 FT.	Gas test at 303 ft.
South Mound Shale	0 mcf/day @	370-376 FT.	
Holdenville Shale	0 mcf/day @	417-421 FT.	Gas test at 420 ft.
Bandera Shale	0 mcf/day @	468-470 FT.	Gas test at 477 ft. & 564 ft.
Mulberry Shale/Coal	3 mcf/day @	568-570 FT.	Gas test at 604 ft.
Lexington Shale/Coal	3 mcf/day @	592-594 FT.	No Baffles in this Well.
Summit Shale	3 mcf/day @	653-659 FT.	Gas test at 660 ft.
Excello/Mulky Shale/Coal	3 mcf/day @	667-672 FT.	Gas test at 678 ft.
Bevier Shale/Coal	3 mcf/day @	Absent FT.	
Verdigris Limestone	3 mcf/day @	Absent FT.	
Croweburg Shale/Coal	3 mcf/day @	Absent FT.	Gas test at 754 ft.
Fleming Shale/Coal	3 mcf/day @	800-803 FT.	Gas test at 824 ft.
TD: 865 ft.	3 mcf/day @		Gas test at 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, from Tally Sheet: 860.23 ft. Production Casing Set by PostRock.

Bottom Logger: 846.50 ft. Driller TD: 865 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	570-592
Oswego Coal	631-633
Oswego Lime	633-653
Mineral Coal	817-819
Scammon Coal	831-833

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

End of Geology Brief. Thank You!

QUEST

Resource Corporation

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

D10072

231

TICKET NUMBER

6993 ✓

FIELD TICKET REF #

FOREMAN Joe Blanchard

SSI

API

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-2-10	STRUDEVANT Richard 23-4	23	28	16	WL

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	11:00		931385	931590	4	Curt Collins
Martuff	7:00	11:00		903206		4	Martuff
W. Rice	7:00	11:00		931310		4	W. Rice
Darrell Cheney	7:00	12:30		903197		4.5	Darrell Cheney

JOB TYPE Long string HOLE SIZE 7 7/8 HOLE DEPTH 865 CASING SIZE & WEIGHT 5 1/2 16 #
 CASING DEPTH 860.23 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
 DISPLACEMENT 20.48 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS:

washed 60 FT 5 1/2 Casing in hole Sump 4 SKS gal. Installed cement head ran 12 bbl dye & 120 SKS of cement to get dye to surface. Flush Pump. Pumped wiper Plug to bottom of set float shoe.

Cement to to surface.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
904850	4 hr	Foreman Pickup	
903197	4.5 hr	Cement Pump Truck	
903206	4 hr	Bulk Truck	
931385	4 hr	Transport Truck	
931590	4 hr	Transport Trailer	
		80 Vac	
	860.23 Ft	Casing 5 1/2	
	6	Centralizers	
	1	Float Shoe	
	1	Wiper Plug	
	0	Frac Baffles	
	100 SK	Portland Cement	
	20 SK	Gilsonite	
	1 SK	Flo-Seal	
	11 SK	Premium Gel	
	3 SK	Cal Chloride	
	1	ket 5 1/2 Cement Basket	
	7000 gal	City Water	
931310	4 hr	Casing tractor	
	4 hr	Casing trailer	