KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1072016

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: CLARK EDWARDS
Phone: (620) 4319500
CONTRACTOR: License # 5675
Name: McPherson, Ron dba McPherson Drilling
Wellsite Geologist: KEN RECOY
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [x] 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 #:

8/29/2011	8/31/2011	9/6/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-019-27059-00-00
Spot Description:
E2 - W2 - SE - SE Sec. 2 Twp. 33 S. R. 12 [x] East [ ] West
660 Feet from [ ] North / [x] South Line of Section
778 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Chautauqua
Lease Name: HILLER REV TRUST Well #: 2-1
Field Name:
Producing Formation: WOPL
Elevation: Ground: 993 Kelly Bushing: 0
Total Depth: 1825 Plug Back Total Depth: 1813
Amount of Surface Pipe Set and Cemented at: 44 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 1813
feet depth to: 0 w/ 230 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:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrisor **Date:** 01/18/2012

Side Two

1072016

Operator Name: PostRock Midcontinent Production LLC Lease Name: HILLER REV TRUST Well #: 2-1

Sec. 2 Twp. 33 S. R. 12 ☑ East ☐ West County: Chautauqua

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	44	A	33	
PRODUCTION	7.875	5.5	14.5	1813	A	230	

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 *(Amount and Kind of Material Used)*	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:
☐ 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	HILLER REV TRUST 2-1
Doc ID	1072016

All Electric Logs Run

CDL
DIL
NDL
TEMP

QUEST
Resource Corporation

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

AFE# D11081

TICKET NUMBER 7157

FIELD TICKET REF # _____

FOREMAN Nathan Gahman

SSI 631360

API 15-019-27059

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-29-11	Hiller Rev. Trust 2-1	2	33S	12E	Chautauqua

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Nathan Gahman	10:00	5:00		904850		7	
Justin Janson	10:00	4:00		903255		6	
Dustin Porter	10:00	1:30		903600		3.5	
Matt Naff	10:00	4:00		904735		6	

JOB TYPE Surface HOLE SIZE 11" HOLE DEPTH 47 CASING SIZE & WEIGHT 8 5/8

CASING DEPTH 45 DRILL PIPE _____ TUBING _____ OTHER _____

SLURRY WEIGHT 13.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____

DISPLACEMENT 2.8 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS:

Drove to location from Coffeyville area. One hr wait on road crew to knock down branches overgrowing lease road. Drillers set up and we had a 1 hr wait on them also. Set up equipment, pumped water until circulation was achieved. Started cement and pumped 33 sks cement, Cleared surface casing of cement, Broke down equipment and washed up.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
904850	1	Foreman Pickup	
903255	1	Cement Pump Truck	
903600	1	Bulk Truck	
	—	Transport Truck	
	—	Transport Trailer	
904735	1	80 Vac	
	45 ft	Casing	
	—	Centralizers	
	—	Float Shoe	
	—	Wiper Plug	
	—	Frac Baffles	
	25 sks	Portland Cement	
	5 sks	Gilsonite	
	1 sks	Flo-Seal	
	2 sks	Premium Gel	
	1 sks	Cal Chloride	
	—	KCL	
	30 bbl	City Water	

Ravin 4513

CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

TICKET NUMBER 31569
LOCATION Eureka
FOREMAN Kevin McCoy

FIELD TICKET & TREATMENT REPORT

SSI # 631360 **CEMENT** API # 15-019-27059 AFE # D11081 KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-6-11	6628	Hilker Rev Trust 2-1	2	33S	12E	Co

CUSTOMER: PostRock Energy Corp.
MAILING ADDRESS: 4402 Johnson Rd.
CITY: Chanute | STATE: Ks | ZIP CODE:

Gus Jones

TRUCK #	DRIVER	TRUCK #	DRIVER
445	Dave G.		
515	Calin H.		
611	Chris B.		

JOB TYPE Longstring B | HOLE SIZE 7 7/8 | HOLE DEPTH 1825' | CASING SIZE & WEIGHT 5 1/2 14# New
CASING DEPTH 1813' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 13# | SLURRY VOL 90 BBL | WATER gal/sk 9.5 | CEMENT LEFT in CASING 0'
DISPLACEMENT 44.6 BBL | DISPLACEMENT PSI 950 | MIX PSI 1400 Bump Plug | RATE 5 BPM

REMARKS: Safety Meeting: Rig up to 5 1/2 w/ wash Head. Break Circulation w/ 50 BBL fresh water. wash down 45' Casing = 1813' 5 1/2 Total depth. Pump 10 sks Gel Flush (500#) w/ Hulls = 17 BBL. Circulate Gel Back to Surface w/ 110 BBL water. Shut down. Rig up 5 1/2 Cement Head. pump 5 BBL Dye water. Mixed 230 sks Class "A" Cement w/ 8% Gel, 10# Kol-Seal/sk, 2% CaCl2, 1/2# PhenoSeal/sk, 1/4% CFL-115, @ 13#/gal, Yield 2.00. wash out Pump & Lines. Shut down. Release Flex Plug. Displace Plug to Seat w/ 44.6 BBL fresh water. final Pumping Pressure 950 psi. Bump Plug to 1400 psi. wait 2 minutes. Release Pressure. Float Held. Shut Casing in @ 0 psi. Good Cement Returns to Surface = 14 BBL Slurry to Pit. Job Complete. Rig down.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	60	MILEAGE	4.00	240.00
11045	230 sks	Class "A" Cement	14.25	3277.50
1118 B	1730#	Gel 8%	.20	346.00
1110 A	2300#	Kol-Seal 10#/sk	.44	1012.00
1102	430#	CaCl2 2%	.70	301.00
1107 A	115#	PhenoSeal 1/2#/sk	1.22	140.30
1135 A	54#	CFL-115 1/4%	9.95	537.30
1118 B	500#	Gel Flush	.20	100.00
1105	50#	Hulls	.42	21.00
5407 A	10.81 Tons	60 miles Bulk Delv.	1.26	817.24
			Sub Total	7767.34
		THANK You 8.3%	SALES TAX	476.01
			ESTIMATED TOTAL	8243.35

Ravin 3737

AUTHORIZTION [signature] TITLE DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TD'd. McPherson Drilling Wednesday 08/31/11 @ 12 Noon.

Pipe#	Length	Running Total	Baffle Location
1	39.77	39.77	
2	38.85	78.62	
3	40.59	119.21	
4	39.16	158.37	
5	39.18	197.55	
6	39.04	236.59	
7	39.89	276.48	
8	38.51	314.99	
9	38.56	353.55	
10	39.43	392.98	
11	38.66	431.64	
12	38.54	470.18	
13	39.26	509.44	
14	41.06	550.50	
15	38.59	589.09	
16	38.19	627.28	
17	38.77	666.05	
18	39.43	705.48	
19	39.40	744.88	
20	38.39	783.27	
21	38.75	822.02	Cement Basket
22	38.88	860.90	
23	39.44	900.34	
24	39.14	939.48	
25	40.34	979.82	
26	38.43	1018.25	
27	38.95	1057.20	
28	39.83	1097.03	
29	39.03	1136.06	
30	39.25	1175.31	
31	38.53	1213.84	
32	38.81	1252.65	
33	38.63	1291.28	
34	38.88	1330.16	No Upper Baffle to Set here - not enough room.
35	38.12	1368.28	
36	38.48	1406.76	
37	38.77	1445.53	
38	39.17	1484.70	

POSTROCK ENERGY CORP - CASING TALLY SHEET

Date: 08/31/2011

Well Name & #: Hiller Rev Trust 2-1

Township & Range: T33S-R12E

County/State: Chautauqua/Kansas

SSI #: 631360

AFE #: D11086

Road Location: Road 27 & Ranch Road, S&E into

API# 15-019-27059

Pipe #	Length	Running Total	
39	38.94	1523.64	
40	38.65	1562.29	Lower Baffle
41	38.8	1601.09	
42	39.9	1640.99	Cement Basket
43	39.11	1680.10	
44	40.15	1720.25	
45	39.06	1759.31	
46	39.36	1798.67	
Sub	15.25	1813.92	Tally Bottom
~~Extra~~	~~38.35~~	Leave this extra joint out.	

Set Lower Baffle at 1562.29 ft. Small Hole.

Set 46 joint at the Sub.

DO Not Set the extra joint.

Be Safe. Drive Safe.

Miss Top 1696 ft.

Tally Bottom 1813.92 ft.

Log Bottom 1821.30 ft.

Driller TD 1825 ft.

Teamwork works! Put Safety 1st!

T.R. Kekeris

Sr. Geologist

Cell 620 305 9900

08-31-2011

McPherson Drilling LLC Drillers Log

PO# **AFE# D11081**

Rig Number:	**1**	**S. 2**	**T. 33** **R.12 E**
API No. -15-	**019-24059**	County:	**Chatauqua**
	Elev. 993	Location:	

Operator:	POSTROCK
Address:	210 Park Ave Ste 2750
	Oklahoma City, OK 73102-5641
Well No:	**2-1** Lease Name: **HILLER**
Footage Location:	660 ft. from the SOUTH Line
	778 ft. from the EAST Line
Drilling Contractor:	**McPherson Drilling LLC**
Spud date:	8/29/2011 Geologist: Ken Recoy
Date Completed:	8/31/2011 Total Depth: 1825

Gas Tests:

830'	0
1407'	5.86
1507'	5.86

Too much water to test

Casing Record			**Rig Time:**	
	Surface	Production		h20 @ 680', 760', 1080'
Size Hole:	11"	7 7/8"		1300', 1450',1700'
Size Casing:	8 5/8"			
Weight:	20#			
Setting Depth:	44	MCP		
Type Cement:			DRILLER:	Andy Coats
Sacks:		PUMP TRK		

Comments:

Start injecting @

Well Log

Formation	Top	Btm.	HRS.	Formation	Top	Btm.		Formation	Top	Btm.
soil	0	2		lime	1098	1104		shale	1677	1679
sand	2	13		shale	1104	1209		miss	1679	1825
shale	13	39		lime	1209	1234				
lime	39	44		coal	1234	1236				
shale	44	198		shale	1236	1289				
sand shale	198	237		oswego	1289	1312				
shale	237	409		summit	1312	1321				
lime	409	414		lime	1321	1334				
shale	414	615		mulky	1334	1341				
sand shale	615	675		lime	1341	1344				
lime	675	676		shale	1344	1372				
coal	676	677		black shale	1372	1375				
sand shale	677	701		shale	1375	1445				
sand	701	720		sand	1445	1453				
sand shale	720	787		shale	1453	1479				
shale	787	856		coal	1479	1481				
lime	856	870		shale	1481	1499				
black shale	870	874		coal	1499	1501				
shale	874	1002		shale	1501	1549				
lime	1002	1010		coal	1549	1551				
shale	1010	1015		shale	1551	1572				
sand shale	1015	1072		coal	1572	1573				
lime	1072	1085		shale	1573	1675				
sand shale	1085	1098		coal	1675	1677				