



KANSAS CORPORATION COMMISSION 1056308
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 SLOW
 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>01/07/2011</u>	<u>01/10/2011</u>	<u>01/21/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-099-24633-00-00
Spot Description: _____
NW NW SE NW Sec. 31 Twp. 34 S. R. 18 East West
1500 Feet from North / South Line of Section
1430 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Labette
Lease Name: HOUGH, EILEEN Well #: 31-1
Field Name: _____
Producing Formation: MULTIPLE
Elevation: Ground: 827 Kelly Bushing: 0
Total Depth: 1034 Plug Back Total Depth: 1032
Amount of Surface Pipe Set and Cemented at: 25 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 1032
feet depth to: 0 w/ 140 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: 05/23/2011



1056308

Operator Name: PostRock Midcontinent Production LLC Lease Name: HOUGH, EILEEN Well #: 31-1
 Sec. 31 Twp. 34 S. R. 18 East West County: Labette

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 checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Attached	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum SEE ATTACHED
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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	25	A	4	
PRODUCTION	7.875	5.5	14.5	1031.56	A	140	

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
4	881-883	400GAL 15% HCL W/ 52BBLs 2% KCL WATER, 449BBLs W/ 2% KCL BIocide, MAXFLOW, 3171# 204	881-883
4	632-637	400GAL 15% HCL W/ 71BBLs 2% KCL WATER, 884BBLs W/ 2% KCL BIocide, MAXFLOW, 7700# 204	632-637
4	476-479/431-433	500GAL 15% HCL W/ 63BBLs 2% KCL WATER, 977BBLs W/ 2% KCL BIocide, MAXFLOW, 7700# 204	476-479/431-433
4	394-398	500GAL 15% HCL W/ 42BBLs 2% KCL WATER, 701BBLs W/ 2% KCL BIocide, MAXFLOW, 15100# 204	394-398

TUBING RECORD: Size: <u>1.5</u> Set At: <u>903</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>2/23/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>22</u> Water Bbls. <u>24</u> Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" 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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Form	ACO1 - Well Completion
Operator	PostRock Midcontinent Production LLC
Well Name	HOUGH, EILEEN 31-1
Doc ID	1056308

All Electric Logs Run

CDL
DIL
NDL
TEMP

QUEST

Resource Corporation



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

AFE

~~D10100~~
D10094

Called Beeke @ KCC
10:30 AM

TICKET NUMBER

✓ 7004

FIELD TICKET REF #

FOREMAN Joe Blanchard

SSI 629230

API 15-099-24633

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-14-11	Hough Eileen 31-1	31	34	18	LB

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe Blanchard	7:00	12:30		904850		5.5	<i>Joe Blanchard</i>
John Walker	7:00	12:30		931300	932895	5.5	<i>John Walker</i>
Nes Gehman	7:00	12:30		931585	922900	5.5	<i>Nes Gehman</i>
OTTC Powers	7:00	12:30		903197		5.5	<i>OTTC Powers</i>
Matt NAEF	7:00	12:00		903600		5	<i>Matt NAEF</i>
Nathan Gehman	7:00	12:30		903206		5.5	<i>Nes Gehman</i>

JOB TYPE Logistics HOLE SIZE 7 7/8 HOLE DEPTH 1034 CASING SIZE & WEIGHT 5 1/2 16#
 CASING DEPTH 1031.56 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
 DISPLACEMENT 24.56 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4bpm

REMARKS:

washed 60 Ft 5 1/2 in hole sumpt 200 LBS gal. Installed cement head
 Ran 16 BBI dye & 140 SKS of cement to get dye to surface. Flush
 Pump. Pump plug to bottom & set float shoe.

Started casing 9:30 started cement 11:30 Left location 12:30

Cement to surface

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
904850	5.5 hr	Foreman Pickup	
903197	5.5 hr	Cement Pump Truck	
903600	5 hr	Bulk Truck	
		Transport Truck	
		Transport Trailer	
		80 Vac	
	1031.56	Casing Ft 5 1/2	
	6	Centralizers	
	1	Float Shoe	
	1	Wiper Plug	
	2	Frac Baffles 4' x 4 1/2'	
	105 SK	Portland Cement	
	25 SK	Gilsonite	
	2 SK	Flo-Seal	
	12 SK	Premium Gel	
	5 SK	Cal Chloride	
	1	5 1/2 Basket	
	2000 gal	City Water	
931810	5.5 hr	Casing tractor	
932895	5.5 hr	Casing trailer	

SP'd. McPherson Drilling Monday 01/10/20 @ 11:30 AM.

API # 15-099-24633

Casing Tally Sheet			
Pipe #	Length	Running Total	Baffle Location
1	36.84	36.84	Cement
2	36.39	73.23	
3	36.62	109.85	Basket
4	36.77	146.62	
5	36.57	183.19	109 ft
6	36.82	220.07	146 ft
7	36.47	256.54	
8	36.39	292.93	
9	37.12	330.05	
10	35.50	365.55	
11	36.39	401.94	
12	37.18	439.12	
13	36.39	475.51	
14	36.42	511.93	
15	35.27	547.20	
16	36.80	584.00	
17	36.27	620.27	
18	36.40	656.67	
19	36.78	693.45	
20	36.75	730.20	
21	36.15	766.35	
22	36.75	803.10	
23	36.93	840.03	
24	36.42	876.45	
25	35.08	911.53	
26	36.85	948.38	
27	36.86	985.24	
28	36.32	1021.56	
(SUB)	10.00	1031.56	Tally Bottom.

Location: E. Icen Hough 31-1
 SS# 629230
 Date: 1/13/10
 Well TD: 1032'
 D10094
 345-18E Labette Co., KS.

Baffle Location

Notes

Set upper Baffle @ 547.20 ft. Big Hole.

Set Lower Baffle @ 766.35 ft. Small Hole.

Use all 28 joints + the 10 ft. Sub.

Be Safe! Watch for Hypothermia.

Post Rock

Miss Top = 897 ft.
 Tally Bottom = 1031.56 ft.
 Driller TD = 1032 ft.
 Log Bottom = 1034 ft.

(JKS) Ke Rusey
 Sr. Geologist.
 620 305 9900
 Cell.

McPherson Drilling LLC Drillers Log

PO# LRG010511-7		AFE# D10094		
Rig Number:	1	S. 31	T. 34	R.18 E
API No. 15-	099-24633	County: LB		
	Elev. 827	Location:		

Gas Tests:	
229	0
360	2.76
404	2.76
435	2.76
455	2.76
505	6.01
530	6.01
605	6.01
640	6.01
800	7.37
820	7.37
891	7.37
904	5.64
920	5.64
1032	5.64
Comments:	
Start injecting @	904

Operator:	POSTROCK		
Address:	210 Park Ave Ste 2750 Oklahoma City, OK 73102-5641		
Well No:	31-1	Lease Name:	HOUGH EILEEN
Footage Location:	1,500	ft. from the	NORTH Line
	1,430	ft. from the	WEST Line
Drilling Contractor:	McPherson Drilling LLC		
Spud date:	1/7/2011	Geologist:	Ken Recoy
Date Completed:	1/10/2011	Total Depth:	1032

Casing Record			Rig Time:	
	Surface	Production		
Size Hole:	11"	7 7/8"	ODOR @ 492	
Size Casing:	8 5/8"		H2O @ 894" 1004"	
Weight:	20#			
Setting Depth:	25	MCP		
Type Cement:	Portland		DRILLER:	Andy Coats
Sacks:	4	MCP		

Well Log										
Formation	Top	Btm.	HRS.	Formation	Top	Btm.	Formation	Top	Btm.	
SOIL	0	2		SHALE	474	497	SHALE	811	821	
LIME	2	9		BLACKSHALE	497	501	BLACKSHALE	821	822	
SHALE	9	46		SHALE	501	505	SHALE	822	833	
COAL	46	48		COAL	505	508	BLACKSHALE	833	834	
LIME	48	52		BLACKSHALE	508	510	SHALE	834	876	
SAND	52	54		SANDSHALE	510	578	COAL	876	878	
LIME	54	62		BLACKSHALE	578	580	SHALE	878	890	
SHALE	62	196		SHALE	580	605	COAL	890	892	
LIME	196	224		SANDSHALE	605	628	SHALE	892	894	
COAL	224	227		COAL	628	632	MISS.LIME	894	1032	
SHALE	227	312		SHALE	632	656				
COAL	312	354		BLACKSHALE	656	657				
SUMIT	354	358		SHALE	657	665				
LIME	358	390		COAL	665	667				
MULKY	390	395		SHALE	667	740				
LIME	395	399		COAL	740	742				
SHALE	399	429		SHALE	742	748				
COAL	429	431		BLACKSHALE	748	751				
SHALE	431	448		SHALE	751	761				
LIME	448	449		BLACKSHALE	761	762				
COAL	449	450		SHALE	762	781				
SANDSHALE	450	470		BLACKSHALE	781	782				
LIME	470	472		SHALE	782	809				
COAL	472	474		COAL	809	811				