KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1094572

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 # 34667
Name: Hemphill, LLC
Address 1: 1350 N. LOUISVILLE AVE
Address 2:
City: TULSA State: OK Zip: 74115 + ____
Contact Person: John Hemphill
Phone: (918) 834-2200
CONTRACTOR: License # 5495
Name: McPherson, Bill and/or Penny M. dba McPherson Drilling Co.
Wellsite Geologist: NA
Purchaser:

Designate Type of Completion:

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

1/30/2012	2/1/2012	4/5/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-205-27992-00-00
Spot Description:
SE - NE - NW - SE Sec. 10 Twp. 29 S. R. 14 [x] East [ ] West
2048 Feet from [ ] North / [x] South Line of Section
1392 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Wilson
Lease Name: Hemphill Well #: 1
Field Name: Fredonia
Producing Formation: Arbuckle
Elevation: Ground: 881 Kelly Bushing: 0
Total Depth: 1510 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 45 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: ____ Feet
If Alternate II completion, cement circulated from:
feet depth to: 45 w/ 4 sx cmt.

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

Chloride content: 1500 ppm Fluid volume: 80 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 [x] II [ ] III Approved by: NAOMI JAMES Date: 09/27/2012

Side Two

1094572

Operator Name: Hemphill, LLC Lease Name: Hemphill Well #: 1

Sec. 10 Twp. 29 S. R. 14 ☑ 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 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:

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

Name Top Datum

Open Hole

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	11	8.6250	20	45	Portland	4	50/50 POZ
Completion	6.750	4.500	11	1308	Portland	140	50/50 POZ

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

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

McPherson Drilling LLC Drillers Log

Rig Number:	1	S.10 T. 29 R.14 E	
API No. -15-	205-27992	County:	WL
	Elev. 881	Location:	SE NE NW SE

Operator:	HEMPHILL, LLC			
Address:	1350 N LOUISVILLE AVE			
	TULSA, OK 74115			
Well No:		Lease Name:		
Footage Location:		2048	ft. from the	SOUTH Line
		1392	ft. from the	WEST Line
Drilling Contractor:	**McPherson Drilling LLC**			
Spud date:	1/30/2012	Geologist:		
Date Completed:	2/1/2012	Total Depth:	1510	

Gas Tests:

Casing Record		
	Surface	Production
Size Hole:	11"	6.75"
Size Casing:	8 5/8"	
Weight:	20#	
Setting Depth:	45	McP
Type Cement:	Port	
Sacks:	4	McP

Rig Time:	
12:30 - 4:00 pm	Rigging up loggers
DRILLER:	Andy Coats

Comments:
Start injecting @

Well Log

Formation	Top	Btm.	HRS.
shale	0	114	
lime	114	120	
shale	120	123	
lime	123	169	
shale	169	275	
lime	275	289	
shale	289	297	
sand wet	297	347	
lime	347	354	
shale	354	365	
lime	365	376	
shale	376	391	
lime	391	477	
shale	477	530	
lime	530	549	
shale	549	562	
lime (odor/wet)	562	592	
shale	592	610	
lime	610	618	
shale	618	652	
lime	652	668	
shale	668	684	
lime	684	699	
shale	699	726	

Formation	Top	Btm.
sand	726	738
shale	738	751
sand shale	751	784
shale	784	801
lime	801	809
coal	809	806
shale	806	512
lime (odor)	812	831
black shale	831	842
shale (odor)	842	863
oswego lime	863	889
summit	889	891
lime	891	898
mulkey	898	904
lime	904	909
shale	909	912
sand shale	912	952
coal	952	954
shale	954	959
coal	959	761
shale	761	1040
coal	1040	1042
shale	1042	1048
oil sand	1048	1051

Formation	Top	Btm.
shale	1051	1083
coal	1083	1095
shale	1095	1106
sand	1106	1114
shale	1114	1200
Miss lime	1200	1446
sand shale	1446	1452
lime	1452	1456
green shale	1456	1461
shale	1461	1470
lime	1470	1474
black shale	1474	1482
sand	1482	1484
Arbuckle lime	1484	1505
lot of water	1505	1510
		TD

CONSOLIDATED Oil Well Services, LLC

ENTERED

TICKET NUMBER 36410 ✓
LOCATION Eureka, KS
FOREMAN Shannon Feck

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

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-205-27992

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-5-12	7420	Hemphill #1	10	29S	14E	Wilson

CUSTOMER: Hemphill LLC
MAILING ADDRESS: 1250 N. Louisville
CITY: Tulsa | STATE: Ok | ZIP CODE: 74115

Gus Jones Rolling unit

TRUCK #	DRIVER	TRUCK #	DRIVER
445	Dave G		
611	Joey K		
637	Jim M		
#92	Rudy	McCoy Trucking	

JOB TYPE Longstring | HOLE SIZE 6 3/4" | HOLE DEPTH 1510' | CASING SIZE & WEIGHT 4 1/2" @ 11.60# ARC
CASING DEPTH 1308.39 G.L. | DRILL PIPE — | TUBING — | OTHER —
SLURRY WEIGHT 12.8 | SLURRY VOL 47 Bbl | WATER gal/sk 9.0 | CEMENT LEFT in CASING none
DISPLACEMENT 20.3 Bbl | DISPLACEMENT PSI 1000 | MIX PSI 1400 to Bump Plug | RATE 4 1/2 to 5 Bbl/min

REMARKS: Rig up to 4 1/2" casing, Break circulation w/ 25 Bbl water, mixed 500# gel flush with 50# cottonseed hulls, Followed by 10 Bbl water Spacer, 10 Bbl. dye water. mixed 140 SKS Thick Set cement with 5# Kol-Seal/sk @ 12.8 #/gal shut down wash out pump & lines & displace with 20.3 Bbl water. Final Pumping Pressure of 1000 psi, bumped plug to 1400 psi. Wait two minutes & release Pressure. Plug & Float held good. Good circulation @ all times. 2-3 Bbl Slurry to pit, Job Complete

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1030.00	1030.00
5406	40	MILEAGE	4.00	160.00
1126 A	140 SKS	Thick Set Cement	19.20	2688.00
1110 A	700 #	Kol-Seal @ 5#/SK	.46	322.00
1118 B	500 #	Gel Flush	.21	105.00
1105	50 #	Hulls (mixed with gel)	.44	22.00
4156	1	4 1/2" Flapper Type Float Shoe	238.00	238.00
4129	4	4 1/2 x 6 3/4" centralizers	42.00	168.00
4404	1	4 1/2 Rubber Plug	45.00	45.00
1123	6600 gal	city water	16.50/1000gal	108.90
5502 C	3 HRS	80 Bbl Vactruck #637 Consolidated	90.00/HR	270.00
5502 C	3 HRS	80 Bbl Vac Truck #92 McCoy Trucking	90.00/HR	270.00
5407 A	7.7 Tons	Ton mileage bulk Truck	1.34	412.72
		6072.53		
		5% 303.63	Sub Total	5768.89
	Paid Ck # 4008	discount 5768.89	6.3% SALES TAX	232.91
Revin 3737		024884 024884	ESTIMATED TOTAL	6072.53

AUTHORIZATION _____ TITLE _____ DATE 5% discount = 5768.89

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.