

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31106
 Name: Harper, Jay dba Harper Oil Co.
 Address 1: 1599 east 5200 st.
 Address 2: _____
 City: Cherryvale State: Ks Zip: 67335 + _____
 Contact Person: Jay Harper
 Phone: (620) 331-9738
 CONTRACTOR: License # 5675
 Name: Mcperson Drilling
 Wellsite Geologist: None
 Purchaser: Dart
 Designate Type of Completion:
 _____ New Well _____ Re-Entry _____ Workover
 _____ Oil _____ SWD _____ SIOW
 _____ Gas _____ ENHR _____ SIGW
 CM (Coal Bed Methane) _____ Temp. Abd.
 _____ Dry _____ Other _____
 (Core, WSW, Expl., Cathodic, 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
 _____ Plug Back: _____ Plug Back Total Depth
 _____ Commingled _____ Docket No.: _____
 _____ Dual Completion _____ Docket No.: _____
 _____ Other (SWD or Enhr.?) _____ Docket No.: _____

<u>9/30/08</u>	<u>10/02/08</u>	<u>11/04/08</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125317910000
 Spot Description: NW SW NE
NW SW NE Sec. 3 Twp. 33 S. R. 15 East West
1795 Feet from North / South Line of Section
2900 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Montgomery
 Lease Name: Moreland Well #: C20
 Field Name: Cherokee Basin Coal Gas Area
 Producing Formation: Rowe/Riverton
 Elevation: Ground: 789 Kelly Bushing: 793
 Total Depth: 1241 Plug Back Total Depth: 1231
 Amount of Surface Pipe Set and Cemented at: 20 ft. Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set: _____ Feet
 If Alternate II completion, cement circulated from: 1241
 feet depth to: Surface w/ 130 sx cmt.

Drilling Fluid Management Plan AIF II NCR 1-28-09
 (Data must be collected from the Reserve Pit)
 Chloride content: _____ ppm Fluid volume: _____ bbls
 Dewatering method used: _____
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Jay Harper
 Title: Owner Date: 11/03/08
 Subscribed and sworn to before me this 3rd day of December
 20 08.
 Notary Public: Ruth Goins
 Date Commission Expires: 11-05-2011

RUTH GOINS
 Notary Public - State of Kansas
 My Appt. Expires November 5, 2011

KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 _____ Geologist Report Received
 _____ UIC Distribution

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DEC 04 2008

CONSERVATION DIVISION
 WICHITA, KS

Operator Name: Harper, Jay dba Harper Oil Co. Lease Name: Moreland Well #: C20
 Sec. 3 Twp. 33 S. R. 15 East West County: Montgomery

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 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
 (Submit Copy)

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Oswego	706	LS
Mulkey	769	Blk. shale
Weir	945	Coal
Mississippi	1181	LS

List All E. Logs Run:

Gamma RAY-Nuetron, Differential Temp, Dual Induction, and Density-Nuetron

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	11"	8 5/8"	20#	20 ft.	Portland		
Production	6 3/4"	4 1/2"	9.5#	1239	Thick Set	130	

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	9 Shots from 1122'-1124'	275 gal 15% HCL acid	
4	13 Shots from 1171'-1174'	4000# 20-40 Brady Sand	
	3 1/8" Slick Tag Gun		

TUBING RECORD: Size: 2 3/8" Set At: 1200' Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or Enhr. 11/17/08 Producing Method: Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours: Oil Trace Bbls. Gas Trace Mcf Water 15 Bbls. Gas-Oil Ratio _____ Gravity _____

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____ _____
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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CONSERVATION DIVISION
 WICHITA, KS

TERMS 1

In consideration of the prices to be charged for our services, equipment and products as set forth in Consolidated Oil Well Services, LLC (COWS) current Price Schedule, and for the performance of services and supplying of materials; customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices payable to P.O. Box 884, Chanute, KS 66720. Invoices payable within 30 days of invoice date. Charges subjected to interest after 30 days from invoice date. Interest will be charged at Maximum rate allowed by law. In the event it is necessary to employ an attorney to enforce collection of such account, customer agrees to pay all collection costs and attorney's fees in the amount of 20% of said amount.

Any applicable federal, state or local sales, use, occupation, consumer's or emergency taxes shall be added to the quoted price.

A sales tax reimbursement of 2% is applied to chemical and product charges for all services performed on oil and gas wells in the State of Texas.

All process license fees required to be paid to others will be added to the scheduled prices.

All prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by COWS.

"The customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for, and customer shall secure COWS against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of COWS, this provision applying to but not limited to sub-surface damage and surface damage arising from subsurface damage.

(b) Customer shall be responsible for and secure COWS against any liability for reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of COWS.

(c) Customer shall be responsible for and secure COWS against any and all liability of whatsoever nature for damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS hereunder.

(d) Customer shall be responsible for and secure COWS against any liability for injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of COWS.

(e) COWS makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or services.

(f) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS gross negligence or willful misconduct in the preparation or furnishing of it.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OR MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to COWS or, at COWS's option, to the allowance to the customer of credit for the cost of such items. In no event, shall COWS be liable for special, incidental, indirect, punitive or consequential damages.

COWS personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be liable for and CUSTOMER SHALL INDEMNIFY AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed by the COWS negligence or fault.

McPherson Drilling LLC

Drillers Log

McPherson Drilling LLC

Rig Number: 2	S.3 T.33 R.15
API No. 15-125-31791-0000	County: montgomery
Elev. 789	Location:

Operator: Harper, Jay dba Harper Oil Co.	
Address: 1599 east 5200 st. Cherryvale Ks 67335	
Well No: C20	Lease Name: more land
Footage Location: 1795	ft. from the (N) (S) Line
2900	ft. from the (E) (W) Line
Drilling Contractor: McPherson Drilling LLC	
Spud date: 9-30-08	Geologist:
Date Completed: 10-2-08	Total Depth: 1241

Gas Tests:	
755	0
788	0
813	0
838	0
863	0
888	0
913	0
963	2.76
1164	8.8%
1189	8.8%

Casing Record		Rig Time:
Surface	Production	2 1/2 Hr gas test
Size Hole: 11	6 3/4	1 day booster
Size Casing: 8 5/8		
Weight: 20#		
Setting Depth: 20'	n/cp	
Type Cement: Port		
Sacks: 8	n/cp	Nick Hilyard

Started injection @ 1115

Well Log								
Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
Sand	0	7	Coal	823	824			
Clay	7	12	Shale	824	860			
Shale	12	189	Coal	860	861			
lime	189	224	Shale	861	907			
Shale	224	237	Coal	907	908			
lime	237	248	Shale	908	945			
Shale	248	307	Coal	945	947			
lime	307	312	Shale	947	1007			
Shale	312	422	Sand	1007	1029			
Sandy shale	422	446	Shale	1029	1065			
Shale	446	473	Sand	1065	1117			
lime	473	547	Coal	1117	1119			
Shale	547	604	Shale	1119	1142			
pink	604	627	Sand	1142	1158			
black shale	627	631	Shale	1158	1169			
Shale	631	706	Coal	1169	1171			
Oswego	706	736	Shale	1171	1181			
Summit	736	748	miss	1181	1241			
lime	748	769						
maliky	769	777						
lime	777	787						
Shale	787	792						
Coal	792	793						
Shale	793	823						

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