



KANSAS CORPORATION COMMISSION 1082429  
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 # 8501  
Name: Hardin, James L. dba Hardin Oil Co.  
Address 1: 124 OAK LN  
Address 2: \_\_\_\_\_  
City: CANEY State: KS Zip: 67333 + \_\_\_\_\_  
Contact Person: Jim Hardin  
Phone: ( 620 ) 879-5634  
CONTRACTOR: License # 5831  
Name: M.O.K.A.T.  
Wellsite Geologist: NA  
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>08/10/2011</u>	<u>08/11/2011</u>	<u>08/18/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-125-32115-00-00

Spot Description: \_\_\_\_\_  
SW SE NW NE Sec. 1 Twp. 34 S. R. 14  East  West  
1150 Feet from  North /  South Line of Section  
1975 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Montgomery  
Lease Name: RED BUFFALO LLC Well #: 12  
Field Name: Wayside-Havana

Producing Formation: Wayside

Elevation: Ground: 903 Kelly Bushing: 0

Total Depth: 711 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 20 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: 711  
feet depth to: 0 w/ 80 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: Deanne Gertler Date: 05/31/2012



1082429

Operator Name: Hardin, James L. dba Hardin Oil Co. Lease Name: RED BUFFALO LLC Well #: 12  
 Sec. 1 Twp. 34 S. R. 14  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 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:  Gemma Ray Cement Bond CCL-VDL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Lenapah Lime</td> <td>617</td> <td></td> </tr> <tr> <td>Wayside</td> <td>622</td> <td></td> </tr> </table>	Name	Top	Datum	Lenapah Lime	617		Wayside	622	
Name	Top	Datum								
Lenapah Lime	617									
Wayside	622									

CASING RECORD <input type="checkbox"/> New <input checked="" 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	7	19	20	portland	8	
production	6.25	2.875	6.7	707	Thickset	80	see ticket

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 <i>(Amount and Kind of Material Used)</i>	Depth
2	35 shots 647-667	50-gal HCL & 50sx sand w/180 bbl H2O	647-667

TUBING RECORD:	Size: <u>1"</u>	Set At: <u>TD</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>09/05/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls. <u>.25</u>	Gas Mcf <u>0</u>	Water Bbls. <u>10</u>	Gas-Oil Ratio <u>28</u>	Gravity <u>28</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input 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) (Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>647-667</u>
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**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

TICKET NUMBER 31421  
LOCATION Eureka, KS  
FOREMAN Shannon Fack

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT API #**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-18-11	3456	Red buffalo #12				MO
CUSTOMER Harding Oil Co.			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS Rt 1 Box 305 A			445 DAVE G			
CITY STATE ZIP CODE Caney KS 67333			479 JOEY K			

JOB TYPE 45 HOLE SIZE 6 7/8" HOLE DEPTH 711' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH 707' DRILL PIPE \_\_\_\_\_ TUBING 2 7/8" OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.4 # SLURRY VOL 24 Bbl WATER gal/sk 8.0 CEMENT LEFT IN CASING None  
 DISPLACEMENT 4.25 DISPLACEMENT PSI 500 MIX PSI bumped plug to 900 RATE 1300

REMARKS: Rig up to 2 7/8 Tubing, Break Circulation with 5 Bbl Water, mixed 200# gel flush, 5 Bbl Water spacer, mixed 80 SKS Thick set Cement with 5# Kol-seal/sk & 1/4# Flo-ate/sk @ 13.4#/gallon. Shut down wash out pump & lines. Stuffed 2 2 7/8 Rubber Plugs & Displaced with 4.25 Bbl Water, with a final pumping pressure of 500 PSI, bumped plugs to 900 PSI. Wait two minutes release pressure, Plugs held good. Pressure well back up to 400 PSI, & shut in. Good circulation @ all times. 6 to 8 Bbl slurry to pit Job Complete.

"Thanks Shannon & crew"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	40	MILEAGE	4.00	160.00
1126 A	80 SKS	Thickset Cement	18.30	1464.00
1110 A	400#	Kol-seal @ 5#/sk	.44	176.00
1107	20#	1/4# Flo-ate/sk	2.22	44.40
1118 B	200#	Gel Flush	.20	40.00
5407	4.4 Tons	Ton mileage bulk truck	m/c	330.00
4402	2	2 7/8 Rubber Plugs	28.00	56.00
			Sub Total	3245.40
			6.3% SALES TAX	112.17
			ESTIMATED TOTAL	3357.57

Howin 5737

AUTHORIZATION

TITLE 043613

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.