



KANSAS CORPORATION COMMISSION 1110598
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: Jim Hardin
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 #:

2/16/2012	2/17/2012	2/25/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-125-32164-00-00
Spot Description:
SW SW NW NE Sec. 1 Twp. 34 S. R. 14 East West
1150 Feet from North / South Line of Section
2470 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Montgomery
Lease Name: Red Buffalo Well #: Hardin #1
Field Name:
Producing Formation: Wayside
Elevation: Ground: 901 Kelly Bushing: 0
Total Depth: 709 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 22 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ 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	
<input type="checkbox"/> Letter of Confidentiality Received	Date: _____
<input type="checkbox"/> Confidential Release Date:	_____
<input checked="" type="checkbox"/> Wireline Log Received	
<input type="checkbox"/> Geologist Report Received	
<input type="checkbox"/> UIC Distribution	
ALT <input type="checkbox"/> I <input checked="" type="checkbox"/> II <input type="checkbox"/> III	Approved by: Deanna Garrison Date: 01/30/2013

1110598

Operator Name: Hardin, James L. dba Hardin Oil Co.

Lease Name: Red Buffalo

Well #: Hardin #1

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 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

Electric Log Submitted Electronically Yes No
(If no, Submit Copy)

List All E. Logs Run:

Gamma Ray Cement Bond CCL VDL

Log Formation (Top), Depth and Datum Sample

Name Top Datum
Wayside 630 675

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	10	7	15	22	portland	10	
Casing	7	3	7	708	Portland	60	

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
2	662-672	Sand Fracture 5000 I	662-272

TUBING RECORD: Size: 1 Set At: 700 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
	1	0	10		29

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	<u>662-672</u>



CONSOLIDATED
Oil Well Services, LLC



ENTERED

TICKET NUMBER 36254

LOCATION Europe

FOREMAN Steve Wood

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8678

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-17-12	3456	Hardin #1	1	345	14E	Mo.
CUSTOMER Harding Oil Co.			TRUCK #			
MAILING ADDRESS Rt 1 Box 305A			DRIVER			
CITY Candy			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 67333			TRUCK #			
			DRIVER			

JOB TYPE Long String HOLE SIZE _____ HOLE DEPTH 712' CASING SIZE & WEIGHT _____
 CASING DEPTH 710' DRILL PIPE _____ TUBING 2 7/8 OTHER _____
 SLURRY WEIGHT 12.6 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING _____
 DISPLACEMENT 4.11 bbls DISPLACEMENT PSI 500* 4500 psi 1000* RATE _____

REMARKS: Safety Meeting! Rig up to 2 7/8 Tubing Break circulation w/ 10 bbls Fresh water Mix 400* Gel Flush w/ 40* Phenosal Pump 2 bbls water. Shut down let soak 30min. Pump 200* Gel + 2 bbls Fresh water Took 4 bbls to break circulation. Mix 5ks Thick set cement w/ 5" Kel Seal + 4" Flo-Cele perisk AT 12.6 gal Displace with 4.11 bbls Fresh water. Final pumping pressure 500*. Bump plug 1000*. Wait 2min. Release pressure. Plug held. Put 200* on well Shut in. Good cement Returns to surface. 4 bbls slurry to pit. Job complete Rig down.

Thank you

ACCOUNT CODE	QUANTITY 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
1126A	90 sks	Thick set cement	19.20	1728.00
110A	450*	Kel Seal 5" perisk	46	207.00
1107	20*	4" Flo-Cele perisk	2.35	47.00
1119B	660*	Gel Flush	.21	126.00
1107A	40*	Phenosal	1.29	51.60
5501C	5 hrs	Water Transport	112.00	560.00
1123	4500 gallons	CITY WATER	16.59/1000	74.25
5407		Ten Mileage Bulk Trucks	M/C	250.00
4402	2	2 7/8 Rubber plug	28.00	56.00
			Subtotal	4389.85
			SALES TAX 6.3%	144.26
			ESTIMATED TOTAL	4534.11

Revin 9737

AUTHORIZATION

[Signature]

TITLE

241920

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.