

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

1/4/10

**CONFIDENTIAL WELL COMPLETION FORM**

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32811  
Name: Osage Resources, L.L.C.  
Address: 6209 N Hwy K61  
City/State/Zip: Hutchinson, Kansas 67502  
Purchaser: OneOK  
Operator Contact Person: Benjamin W. Crouch  
Phone: (620) 664-9622  
Contractor: Name: Warren Drilling, L.L.C.  
License: 33724

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JAN 04 2008  
**KCC**

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 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./SWD  
 Plug Back     Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

<u>9/28/2007</u>	<u>10/9/2007</u>	<u>10/11/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-23149-0000  
County: Barber  
NE SW Sec. 24 Twp. 33 S. R. 15  East  West  
1967 feet from (S) / N (circle one) Line of Section  
1980 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Osage Well #: 110  
Field Name: Aetna Gas Area  
Producing Formation: Mississippian  
Elevation: Ground: 1848 Kelly Bushing: 1856  
Total Depth: 5556 Plug Back Total Depth: 5438  
Amount of Surface Pipe Set and Cemented at 80 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 AHINS #109  
(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: Benjamin W. Crouch  
Title: Vice President Date: October 11, 2007  
Subscribed and sworn to before me this 11 day of October  
2007  
Notary Public: Brooke C. Maxfield  
Date Commission Expires: December 28, 2009

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
**JAN 07 2008**  
**KCC WICHITA**

NOTARY PUBLIC - State of Kansas  
**BROOKE C. MAXFIELD**  
My Appt. Exp. 12/28/09

**CONFIDENTIAL**  
**JAN 17 4 2008**  
**KCC**

Operator Name: Osage Resources, L.L.C. Lease Name: Osage Well #: 110  
 Sec. 24 Twp. 33 S. R. 15 East  West County: Barber

**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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Log Formation	Top	Datum
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	-2394	MSL
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BKC	-2845	MSL
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Marmaton	-2890	MSL
List All E. Logs Run:		Mississippian	-2995	MSL
Density/Neutron, Induction		Kinderhook	-3173	MSL
		Viola	-3362	MSL

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 cond.	17 1/2"	13 3/8"	48#	80'	Class A 60/40	85	2% gel, 3% CC
Intermediate Surf	12 1/4"	8 5/8"	23#	976'	Class A 60/40	525	2% gel, 3% CC
Production	7 7/8"	5 1/2"	15.5#	5483'	A-Con AA-2	200 350	3% CC + 1/4#/sx cello

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(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					
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Other (Explain)	
					NA	NA	

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

METHOD OF COMPLETION: \_\_\_\_\_

Production Interval: \_\_\_\_\_

**RECEIVED**  
**JAN 17 2008**  
**KCC WICHITA**



1-800-794-0187  
 FAX 1-316-321-4720  
 2510 W. 6TH ST.  
 EL DORADO, KANSAS 67042

**SERVICE TICKET**

8023

DATE 9-28-07 + 9-29-07

COUNTY Baker CITY Aentina

CHARGE TO Osage

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_

LEASE & WELL NO. Osage #110 CONTRACTOR WAKREN #5

KIND OF JOB Conductor Pipe SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_

DIR. TO LOC. \_\_\_\_\_ OLD \_\_\_\_\_ NEW \_\_\_\_\_

Quantity	MATERIAL USED	Serv. Charge	
85sk	60/40 POZ	743.75	625.00
251bs	cellulose	45.00	
3 hrs	Additional hours on location	630.00	
	BULK CHARGE 85sk Handling	97.75	
	BULK TRK. MILES 3.6125 + 10	180.63	
	PUMP TRK. MILES 100 miles 50	137.50	
	PLUGS		
		SALES TAX	
	On location 12 hrs	TOTAL	

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RECEIVED  
 JAN 17 2008

T.D. 77 ft  
 SIZE HOLE 17 1/2 - 13 3/8 - 8 5/8 L5  
 MAX. PRESS. 13 3/4 - 48# 8 5/8 28#  
 PLUG DEPTH \_\_\_\_\_  
 PLUG USED \_\_\_\_\_

CSG. SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 SIZE PIPE \_\_\_\_\_  
 PKER DEPTH \_\_\_\_\_  
 TIME ON LOCATION 3:29pm TIME FINISHED 3:30am

REMARKS: Arrive on location 3:29pm - Rig up, Primeup - Rig having problems with conductor pipe fitting in hole - 2:00am rig hooked up to run mud - Rig ran 8 5/8 Landing joint 12ft - pumped 85sk 60/40 POZ 2516 cellulose at 3:18am - Began Displacement at 3:25am and pumped 10 1/2 bbl H<sub>2</sub>O - Shut in valve - Left pump truck on location

EQUIPMENT USED  
 NAME UNIT NO.  
Lewi Farmer B-1  
Jason Bucklow 4  
 CEMENTER OR TREATER

NAME UNIT NO.  
Jesse MOORE P-14  
 OWNER'S REP.



1-800-794-0187  
 FAX 1-316-321-4720  
 2510 W. 6TH ST.  
 EL DORADO, KANSAS 67042

**SERVICE TICKET**

8024

DATE 9-29-07 + 9-30-07

COUNTY Barber CITY ACTNA

CHARGE TO Osage  
 ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_  
 LEASE & WELL NO. Osage #110 CONTRACTOR Waxpen #5  
 KIND OF JOB Surface 980 ft SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_  
 DIR. TO LOC. \_\_\_\_\_ OLD \_\_\_\_\_ NEW \_\_\_\_\_

Quantity	MATERIAL USED	Serv. Charge	
525 sk	60/40 pot mix		625.00
9 sk	6 gel		4593.75
10 sk	Calcium chloride		112.50
125 lbs	Poly flake		400.00
16 hrs	Additional Hours on location	225 <sup>00</sup>	<del>405.00</del>
			3360.00
	BULK CHARGE 525sk Handling		603.75
	BULK TRK. MILES 22.3125 TW	CONFIDENTIAL JAN 0 + 2008	1115.63
	PUMP TRK. MILES		
		KCC	
1 EA	PLUGS 8 5/8 WOODEN Plug		64.00
		SALES TAX	
	on location 20 hrs	TOTAL	RECEIVED

T.D. 980 ft  
 SIZE HOLE 12 1/4  
 MAX. PRESS. 8 5/8 #23 casing  
 PLUG DEPTH \_\_\_\_\_  
 PLUG USED \_\_\_\_\_

CSG. SET AT \_\_\_\_\_ VOLUME JAN 17 2008  
 TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 SIZE PIPE \_\_\_\_\_  
 PKER DEPTH \_\_\_\_\_  
 TIME ON LOCATION 1:00 AM TIME FINISHED 7:52 PM

REMARKS: Arrive on location at 1:00 AM - Rig lost circulation and decided to drill to 980 ft - Had to Ream out hole with 12 1/4 bit - Rig up 4:45 pm - stab head at 6:15 pm rig pumped mud for 10 minutes NO circulation - Switchover at 6:35 pm began cement 6:37 pm pumped 525 sk 60/40 pot 2% gel 2% Calcium chloride 1/4 lb per sk cell flake = plug drop

at 7:21 pm - 3000 H<sub>2</sub>O gone at 7:40 - 7:52 used pumped leaving 20ft cement in pipe

NAME Steve Davis B-3  
Jason Bucklow  
 CEMENTER OR TREATER

NAME Gerald Daniels B-1  
 OWNER'S REP.

Customer Osage Resources, LLC Lease No. \_\_\_\_\_ Date 10-11-07  
 Lease Osage Well # 110  
 Field Order # 5145 Station Pratt Casing 5 1/2 Depth 5,480 County Barber State KS  
 Type Job C.N.W. - Long String Formation \_\_\_\_\_ Legal Description 27-333-15W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME			
Casing Size <u>5 1/2 15.5 Lb./Ft.</u>	Tubing Size <u>4 1/2 11.7 Ft.</u>	Shots/Ft. <u>200</u>	Sacks <u>200</u>	A-CON with <u>28 C.C.</u>	<u>3%</u> Friction Reducer	ISIP <u>3%</u>	FLA-322		
Depth <u>180 Ft.</u>	Depth <u>75%</u>	Gas <u>75%</u>	Blot. <u>25 Lb./sh.</u>	Cellflake	Max <u>13 Lb./Gal.</u>	<u>11.28 Gal./sk.</u>	<u>2.0 cu. FT./sk.</u>		
Volume <u>190.4 Bbl.</u>	Volume <u>350</u>	sacks <u>AA-2</u>	With <u>35%</u>	Friction Reducer	Min <u>18</u>	Defoamer	<u>.88 FLA-322</u>		
Max Press <u>2,000 P.S.I.</u>	Max Press <u>1,000</u>	Salt <u>75%</u>	Gas Blot. <u>25 Lb.</u>	Cellflake	Avg <u>5 Lb./sk.</u>	<u>15 Min.</u>	<u>Gilsonite</u>		
Well Connection <u>Plug Contactor</u>	Annulus Vol. <u>14.8 Lb./Gal.</u>	From _____	To <u>6.65 Gal./sk.</u>	<u>1.50 cu. FT./sk.</u>	Annulus Pressure _____				
Plug Depth <u>5,470.4 Feet</u>	Packer Depth _____	From _____	To _____	Flush <u>129.5 Bbl.</u>	Fresh Water	Gas Volume _____	Total Load _____		

Customer Representative Jeff Dale Station Manager David Scott Treater Clarence R. Messick  
 Service Units 19,870 19,831 19,862 19,832 19,860  
 Driver Names Messick Shields Bolles

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 JAN 04 2008

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:30					Trucks on location and hold safety meeting. <b>KCC</b>
5:30					Warren Drilling start to run Weatherford Packer Shoe, Shoe joint with latch down baffle screwed into collar and a total of 144 jts. new 15.5 Lb./Ft. 5 1/2 casing. Ran Baskets on jts. # 3, 19 & 51. Ran Turbolizers on collars # 2, 18 and 50.
8:15					Casing in well. Circulate 30 minutes.
8:50					Release ball to set packer shoe.
9:10	1,100				Set packer shoe. Circulate 30 minutes.
9:42	400			6	Start Fresh Water Pre-Flush.
	400		20	6	Start Super Flush II.
	400		32	6	Start Fresh Water spacer.
	400		35		Stop pumping. Shut in well.
	-0-		4	3	Plug Rat hole. Open Well.
10:12	400			6	Start mixing 200 sacks A-con cement.
	200		71	5	Start mixing 350 sacks AA-2 cement.
	-0-		165		Stop pumping. Shut in well. Wash pump and lines. Release plug. Open well.
10:45	200			6.5	Start Fresh water Displacement.
			70	5	Start to lift cement.
11:24	1,600		129.5		Plug down.
	2,000				Pressure up.
					Release pressure. Latchdown plug hold