

**ORIGINAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 32294  
 Name: Osborn Energy, L.L.C.  
 Address: 24850 Farley  
 City/State/Zip: Bucyrus, Kansas 66013  
 Purchaser: Akawa Natural Gas, L.L.C.  
 Operator Contact Person: Steve Allee  
 Phone: (913) 533-9900  
 Contractor: Name: Suzie Glaze **RECEIVED**  
 License: 5885  
 Wellsite Geologist: Rex Ashlock **SEP 15 2003**  
 Designate Type of Completion: **KCC WICHITA**  
 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>4/11/2003</u>	<u>4/15/2003</u>	<u>waiting on completion</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

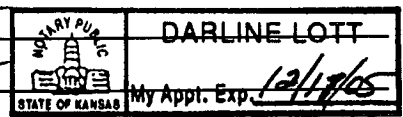
API No. 15 - 121-27683-0000  
 County: Miami  
N/2 NE SE Sec. 32 Twp. 15 S. R. 25  East  West  
2,010 feet from (S) N (circle one) Line of Section  
630 feet from (E) W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE (SE) NW SW  
 Lease Name: Richard Moore Well #: 9-32-15-25  
 Field Name: Louisburg  
 Producing Formation: Pawnee  
 Elevation: Ground: 1,120 Kelly Bushing: N/A  
 Total Depth: 720' Plug Back Total Depth: N/A  
 Amount of Surface Pipe Set and Cemented at 20 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set N/A Feet  
 If Alternate II completion, cement circulated from 720  
 feet depth to surface w/ 120 <sup>sq cmt.</sup>  
AITZ - Dlg - 3/5/09

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content N/A ppm Fluid volume 500+/- bbls  
 Dewatering method used evaporation  
 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: [Signature]  
 Title: Geologist Date: 9-10-03  
 Subscribed and sworn to before me this 10 day of September  
2003  
 Notary Public: [Signature]  
 Date Commission Expires: 12/17/2005  
 My Appt. Exp. 12/17/05



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Osborn Energy, L.L.C. Lease Name: Richard Moore Well #: 9-32-15-25  
 Sec. 32 Twp. 15 S. R. 25  East West County: Miami

**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)  
 List All E. Logs Run: Gamma Ray Neutron Log

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

**Drillers Log Attached**

**RECEIVED**  
**SEP 15 2003**  
**KCC WICHITA**

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 1/4"	8 5/8"		20'	Portland	6	None
Production	7 7/8"	5 1/2"		720'	40/60 Poz	120	2% gel, 1/4 lb flo-seal 5% gilsonite, 5% salt

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		Depth
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		

TUBING RECORD	Size	Set At	Packer At	Liner Run
				Yes No

Date of First, Resumed Production, SWD or Enhr.	Producing Method			
<b>Waiting on completion</b>	<b>N/A</b>	Flowing	Pumping	Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>		<b>N/A</b>

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) SIGW  
 Production Interval: \_\_\_\_\_

## Drillers Log

**Richard Moore #9-32-15-25**  
 630 FEL, 2010 FSL (N 38° 42.008', W 94° 39.077')  
 Section 32-T15S-R25E  
 Miami, Co. Kansas  
 API #15-121-27683  
 Elevation: 1120 GL (est. from Topo. Map)  
 Drilling Contractor: Glaze Drilling Co., (Lic. #5885)  
 Spud: 4/11/2003  
 Surface: 11 1/4" bore hole, set 20' of 8 5/8" csg. cmt'd with 6 sx  
 Production bore hole: 7 7/8"  
 Rotary Total Depth: 720' on 4/15/03  
 Drilling fluid: Air  
 E-Log Total Depth: Cased Hole 5/19/03, 720.5'  
 Production Csg.: Used 5 1/2" 15.50#/ft., set at 720'

RECEIVED  
 SEP 15 2003  
 KCC WICHITA

<u>Formation</u>	<u>Driller Log Tops</u>	<u>E-log Tops</u>	<u>Datum</u>
Stark Shale	290	293	827
Hushpuckney Shale	318	321	799
Base Kansas City	336	338	782
"Upper" Knobtown Sand Zone	346	344	776
"Middle" Knobtown Sand Zone	Poorly Developed	365	755
"Lower" Knobtown Sand Zone	Poorly Developed	394	726
Carbonaceous Zone in Tacket Fm.	No Call	442	678
"Big Lake" Sand	448	446	674
South Mound Zone	499	500	620
Hepler (Wayside) Sand	Not Developed	----	----
"Upper" Mulberry Zone	No Call	515	605
Mulberry Zone	No Call	523	597
Weiser Sand	Not Developed	----	----
Myrick Station	560	561	559
Anna Shale (Lexington Coal Zone)	563	565	555
Peru Sand	Poorly Developed	569	551
Summit Shale Zone	604	606	514
Mulky Coal/Shale Zone	627	627	493
Squirrel Sand Zone(s)	Poorly developed	635	485
Bevier Coal Zone	No Call	702	418
Verdigris (Ardmore) Limestone	No Call	708	412
Croweburg	No Call	710	410
Rotary Total Depth	740 (400)	720	380

CONSOLIDATED INDUSTRIAL SERVICES, INC.  
 211 W. 14TH STREET, CHANUTE, KS 66720  
 316-431-9210 OR 800-467-8676

RECEIVED

SEP 15 2003

TICKET NUMBER 14595

TREATMENT REPORT

KCC WICHITA

LOCATION Ottawa

FOREMAN Alan Mader

2 of 2 wells

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
4-28-03	16073	Macee 9-32-15-25		32	15	25	Mi	
CHARGE TO <u>Osborn Energy</u>				OWNER				
MAILING ADDRESS <u>24850 Farley</u>				OPERATOR				
CITY <u>Bucyrus</u>				CONTRACTOR <u>Brian</u>				
STATE <u>Ks</u>		ZIP CODE <u>66013</u>		DISTANCE TO LOCATION <u>40</u>				
TIME ARRIVED ON LOCATION <u>12:30 P.M.</u>				TIME LEFT LOCATION <u>4:00 P.M.</u>				

HOLE SIZE <u>7 7/8</u>
TOTAL DEPTH <u>720</u>
CASING SIZE <u>5 1/2</u>
CASING DEPTH <u>720</u>
CASING WEIGHT
CASING CONDITION
TUBING SIZE
TUBING DEPTH
TUBING WEIGHT
TUBING CONDITION
PACKER DEPTH
PERFORATIONS
SHOTS/FT
OPEN HOLE
TREATMENT VIA

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO JOB

386 A Mader 144 C Lease  
164 It Reel 195 M K. Co

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Wash down 3 joints of 5 1/2 white mixing gel + conditioning hole with lasgel. Mixed + pumped 12 bbl dye marker followed by 120 sx 40/60 oaz, 590 g/l, 590 salt, 290 gel, 1/2 flousoal. Circulated dye to surface. Flushed pump clean. Pumped 5 1/2 rubber plug to TD of casing. Checked depth with wireline. Well held 800 PSI. Set float. Circulated cement to surface.

Alan Mader

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	
HYD HHP = RATE X PRESSURE X 40.8	

AUTHORIZATION TO PROCEED

TITLE

DATE

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.

11/22/04

RCVD 1-31-05 KCC

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
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WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

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 Address: 24850 Farley 300'S, 30' E of:  
 City/State/Zip: Bucyrus, Kansas 66013  
 Purchaser: Akawa Natural Gas, L.L.C.  
 Operator Contact Person: Steve Allee  
 Phone: (913) 533-9900  
 Contractor: Name: Susie Glaze dba Glaze Drilling Co.  
 License: 5885  
 Wellsite Geologist: Rex Ashlock  
 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>4/11/2003</u>	<u>4/15/2003</u>	<u>7/15/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 121-27683-0000  
 County: Miami (N 38\* 42.008', 94\* 39.077')  
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2,010 feet from  N  S (circle one) Line of Section  
630 feet from  E  W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE  SE NW SW  
 Lease Name: Richard Moore Well #: 9-32-15-25  
 Field Name: Louisburg  
 Producing Formation: Anna Shale (Lexington)  
 Elevation: Ground: 1,120 Kelly Bushing: \_\_\_\_\_  
 Total Depth: 720' 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 720  
 feet depth to surface w/ 120 sx cmt.

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content N/A ppm Fluid volume 500+/- bbls  
 Dewatering method used evaporation  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

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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: [Signature]  
 For Osborn Energy, L.L.C.  
 Title: \_\_\_\_\_ Date: 1/13/05  
 Subscribed and sworn to before me this 13 day of January  
20 05  
 Notary Public: [Signature]  
 Date Commission Expires: \_\_\_\_\_

**REX R. ASHLOCK**  
 Notary Public - State of Kansas  
 My Appt. Exp. 1-10-07

**KCC Office Use ONLY**

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Osborn Energy, L.L.C. Lease Name: Richard Moore Well #: 9-32-15-25  
 Sec. 32 Twp. 15 S. R. 25  East  West County: Miami

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Log Formation (Top), Depth and Datum Sample Name Top Datum
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Cores Taken	Yes <input checked="" type="checkbox"/> No	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
List All E. Logs Run:		

**Driller Log and GR-N E-Log attached to original ACO-1**

CASING RECORD <span style="float:right">New <input checked="" type="checkbox"/> Used</span>							
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 1/4"	8 5/8"	NA	20'	Portland	6	None
Production	7 7/8"	5 1/2"	15.50	720'	60/40 Poz-mix	120	2% gel, 1/4 lb flo-seal 5% gilsonite, 5% salt

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	565-569	100 gal. of 15% HCl 10 gal. Oxygen Scavenger 7 gal Max-flo 70 sx 20/40, 32 sx 12/20 frac sand	565-69

TUBING RECORD	Size <b>2 3/8"</b>	Set At <b>640'</b>	Packer At <b>None</b>	Liner Run <b>No</b>
---------------	--------------------	--------------------	-----------------------	---------------------

Date of First, Resumed Production, SWD or Enhr. <b>8/2003</b>	Producing Method			
	Flowing	<input checked="" type="checkbox"/> Pumping	Gas Lift	Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. <b>None</b>	Gas Mcf <b>21.4</b>	Water Bbls. <b>146</b>	Gas-Oil Ratio <b>None</b>
				Gravity <b>None</b>

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled **565-69**

Other (Specify) \_\_\_\_\_