

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACD-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

RECEIVED

API NO. 15- 121-27573-0000  
County Miami  
MISSION NE - NE - SE Sec. 19 Twp. 16 Rge. 24 X E  
W

Operator: License # 32294

Name: Osborn Energy, L.L.C. **DEC 03 2001**

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: R. S. Glaze Drilling Company

License: 5885

Wellsite Geologist: Rex Ashlock

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Osborn Energy LLC

Well Name: Sanders 4-19

Comp. Date            Old Total Depth 980

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled Docket No.             
 Dual Completion Docket No.             
 Other (SWD or Inj?) Docket No.           

4/27/2001 4/30/2001 waiting on completion  
Spud Date Date Reached TD Completion Date

2145 Feet from (S)N (circle one) Line of Section

330 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, (SE) NW or SW (circle one)

Lease Name Sanders Well # 4-19

Field Name Louisburg

Producing Formation Cherokee

Elevation: Ground 1085' KB N/A

Total Depth 980' PBTB 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 979

feet depth to surface w/ 190 sx cmt.

Drilling Fluid Management Plan A142-Dlg-3/6/01  
(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 Rng.            E/W

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 on 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 11/28/01

Subscribed and sworn to before me this 28th day of November, 2001

Notary Public Mark A. Williams

Date Commission Expires 6-6-05

 Mark A. Williams  
NOTARY PUBLIC  
State of Kansas  
MY APPT. EXPIRES 6-6-05

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

SIDE TWO

Operator Name Osborn Energy, L.L.C. 1 Lease Name Sanders Well # 4

Sec. 19 Twp. 16 Rge. 24  East  West County Miami

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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:

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

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	13"	10 3/4"		20'	Regular	5	None
Production	8 3/4"	7"		979'	Regular	190	1% gel, 2% CaC 1/2 lb. flocele

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
* 3;3;3	858' - 860'; 865' - 868'; 871' - 874	30 gal 28% HCl acid, 55 sx 20/40 sand, 86 sx 12/20 sand

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
N/A					
Date of First, Resumed Production, SMD or Inj. waiting on completion			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. N/A	Gas Mcf	Water Bbls.	Gas-Oil Ratio N/A	Gravity N/A

Disposition of Gas:  Vented  Sold  Used on Lease (if vented, submit ACO-18.)  Other (Specify) SIGW

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Production Interval



# MIDWEST SURVEYS

LOGGING • PERFORATING • CONSULTING SERVICES

P. O. Box 328  
Paola, Kansas 66071  
913/755-2128

ORIGINAL

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 03 2001

CONSERVATION DIVISION  
WICHITA, KS

## PERFORATION RECORD

COMPANY: Osborn Energy, L.L.C.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

WELL NAME/NO. 4-19

LEASE/FIELD Sanders

COUNTY/STATE Miami, Kansas

SERVICE ORDER NO. 14227

DATE 10-18-2001

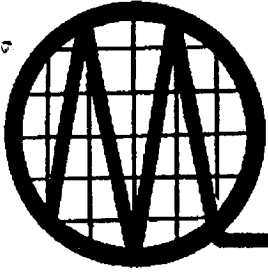
PERFORATED @ See Below

TYPE OF JET, GUN  
OR CHARGE 3 3/8" D.P. 23 gr. Expendable Casing Gun

NUMBER OF JETS,  
GUNS OR CHARGES Twenty Seven (27)

CASING SIZE 7.0"

Perforated at 858.0 to 860.0  
865.0 to 868.0  
871.0 to 874.0



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

CONSERVATION DIVISION  
WICHITA, KS  
TREATMENT REPORT

TICKET NUMBER 18218  
LOCATION 314 N of Leawards  
FOREMAN JK  
on McCaff Rd. W. side  
Rowe

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
10-13-01	6073	Sauder 449		19	16	25E	MIT	anna glau
CHARGE TO Osborn Energy LLC				OWNER				
MAILING ADDRESS 24850 Farley				OPERATOR				
CITY Bucyrus				CONTRACTOR				
STATE Ks.		ZIP CODE 66013		DISTANCE TO LOCATION 9.8 mi.				
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION				

WELL DATA	
HOLE SIZE	
TOTAL DEPTH	
CASING SIZE	7"
CASING DEPTH	
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	858-10, 863-68, 871-814
SHOTS/FT	3-6 6-9 = 247
OPEN HOLE	
TREATMENT VIA	Casing

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input type="checkbox"/> PRODUCTION CASING	<input checked="" type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input checked="" 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 Casing		

INSTRUCTION PRIOR TO JOB Transports filled 2 frac tanks and hauled under Fracing  
20 gal Frac Control, 20 gal Sargent, 20 gal Paper Seal  
Straight Water Disc 2 transports used.

JOB SUMMARY  
Pressure Test, Mixed  
DESCRIPTION OF JOB EVENTS 2 Corrosion in blade, Displace to Psh, lot ready 4 Mi. Red Stead  
at 6 BPM, Reduced to 1.50 BPM, Pumped 414 Bbl Pad from 1.50 BPM to 13 BPM  
Ran 5 3/4" 20/40, slow 12 lb, Clean up Blending Displace to Psh, Discard  
5 Bbls, Pumped 13 Bbls, Reduced BPM to 5, Pumped 5 Balls, Discard 409 Bbls  
Balls hit Psh, Reduced BPM to 2, Pumped 2 Bbls, 3 Shot down  
Lead 112 Bbls + shot, 15 Mi ball down Test

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	550 psi
FINAL DISPLACEMENT	
ANNULUS	
MAXIMUM	900 psi
MINIMUM	500 psi
AVERAGE	550 psi
ISIP	283 psi
5 MIN SIP	265 psi 10 Min 242
15 MIN SIP	227 psi

TREATMENT RATE	
BREAKDOWN BPM	1.50
INITIAL BPM	1.50
FINAL BPM	1.50
MINIMUM BPM	1.50
MAXIMUM BPM	13
AVERAGE BPM	7.25

AUTHORIZATION TO PROCEED TITLE DATE 10-13-01