

RCVD KCC 1-31-05

UPDATED / CORRECTED
1/07/05

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

ORIGINAL

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: Susie Glaze dba Glaze Drilling Co.
 License: 5885
 Wellsite Geologist: (s) 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/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. 195,304-C (C-28,554)
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
4/27/2001 4/30/2001 10/23/2001
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date


API No. 15 - 121-27573-0000
 County: Miami (N 38* 38.484', W 94* 40.642')
S/2-NE-NE-SE Sec. 19 Twp. 16 S. R. 25 East West
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:
 (circle one) NE SE NW SW
 Lease Name: Sanders Well #: 4-19
 Field Name: Louisburg
 Producing Formation: (s) Rowe, Upper & Lower Neutral Coals
 Elevation: Ground: 1085 Kelly Bushing: -----
 Total Depth: 978 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 None Feet
 If Alternate II completion, cement circulated from 979
 feet depth to surface w/ 190 sx cmt.
AIF-2-Dg-3/9/09

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: Jeff Taylor
 Title: For Osborn Energy, L.L.C. Date: 1/13/05
 Subscribed and sworn to before me this 13 day of JANUARY
20 05
 Notary Public: Rex R. Ashlock
 Date Commission Expires: _____

 **REX R. ASHLOCK**
 Notary Public - State of Kansas
 My Appt. Exp. 1-10-09

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: Sanders Well #: 4-19
 Sec. 19 Twp. 16 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 <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 Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes No <i>(Submit Copy)</i> List All E. Logs Run: IES / CDL Cmt Bond / GR / CCL (sent w/ this ACO-1)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"><input checked="" type="checkbox"/> Log</td> <td style="width:60%;">Formation (Top), Depth and Datum</td> <td style="width:30%;">Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> </table> <p>OH Log(s), Cmt Ticket(s), Drlg's Log, etc., sent w/ 1st ACO-1</p>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample	Name	Top	Datum
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample					
Name	Top	Datum					

CASING RECORD New <input type="checkbox"/> Used <input checked="" type="checkbox"/>							
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 1/8"	10 3/4"	32.75	20'	Portland	5	None
Production	8 3/4"	7.0"	17.00	979'	Class "A"	190	1% Gel. 1/2#/sx Flo-Sea 2% CaCl2

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	858-860	28 gal. 28% HCl acid 55 sx 20/40 frac sand 86 sx 12/20 frac sand 1526 BBI formation water	858-874
3	865-868		
3	871-874		

TUBING RECORD	Size <u>2 7/8" set at 945' +/-</u>	Set At <u>None</u>	Packer At <u>None</u>	Liner Run Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Date of First, Resumed Production, SWD or Enhr. Waiting on gas line	Producing Method <input checked="" type="checkbox"/> To be pumped <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. None	Gas Mcf Tstd 40 MCFPD	Water Bbls. Tstd 148 BBI/day	Gas-Oil Ratio No Oil

Disposition of Gas <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease	METHOD OF COMPLETION <input checked="" type="checkbox"/> Other (Specify) <u>SIGW</u>	Production Interval <u>858-860 865-868</u> <u>871-874</u>
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To be sold when gas line in place

D.L

Sanders # 4-19

330 FEL, 2145 FSL

Section 19-T26S-R25E

Miami Co., Kansas

API #: 15-121-27573

Elevation: 1085 GL, Est. from Topo. Map

Spud: 4/27/2001

Surface Casing: 20' of 10 3/4".

Cemented w/ 5 sx

8 3/4" bore hole

Production Csg: 7", 17#/ft. set at 979', Cmt w/ 190 sacks,

Drilling Fluid: Air, mudded up at TD to Open Hole Log

Rotary total depth (RTD): 980' 4/30/2001

E-Log TD: 978'

Contractor:

Glaze Drilling Co.

Spring Hill, KS

1/2 #/sx flo-seal
270 CaCl2
190 Gel

	E-Log Top	"Net" Thickness	Datum
Stark	237	4.25	848
Hushpuckney	265	3.75	820
Base Kansas City	281		804
Upper Knobtown Sand	288	0	797
Middle Knobtown Sand	303	0	782
Lower Knobtown Sand	343	0	742
"Big Lake" Sand	382	7	703
South Mound	413	2	672
Hepler Sand (2 Zones)	416/442	4/24	669/643
Mulberry Zone	487	4.25	598
"Peru" Sand	502	2	583
Lexington Zone	524	3.5	561
Summit Zone	563	5.5	522
Mulky Zone	587	6	498
Upper Squirrel Sand	594	0	491
Middle Squirrel Sand	612	24	473
Lower Squirrel	639	21	446
Bevier	660	2	425
Croweburg Shale	671	0	414
Croweburg Coal	674	3	411
Fleming Zone	692	2	393
Mineral Zone	706	4	379
Scammon Zone	----	0	----
Scammon Sand (Lower Cattleman)	727	0	358
Tebo Zone	747	8	338
Bartlesville "A" Sand	779	0	306
Un-named Zone	799	3	286
Bartlesville "B" Sand	829	0	256
Dry Wood	----	0	----
Bartlesville "C" Sand	842	0	243
Rowe	858	3	227

Sanders 4-19
cont.

	<i>Top</i>	<i>Net</i>	<i>Datum</i>
Upper Neutral	864	3	221
Lower Neutral	871	2.8	214
Neutral Shale	----	0	----
Bartlesville "E" Sand	----	0	----
Bartlesville "F" Sand	917	0	168
Bartlesville "G" Sand	937	0	148
Riverton Coal	----	0	----
Mississippi "Chat"	951	0	134
Mississippi "Lime"	958	0	127
RTD	980		105

4-19
2