

UPDATED

11/04

Form ACO-1
September 1999
Form Must Be Typed

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
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: 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
☐ Dual Completion Docket No. (C-28,554)
☐ Other (SWD or Enhr.?) Docket No. _____
4/10/2003 4/12/2003 4/28/2003
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 121-27684-0000
County: Miami (N 38° 41.803', W 94° 39.296')
NE SW SE Sec. 32 Twp. 15 S. R. 25 ☒ East ☐ West
792 792 feet from (S) / N (circle one) Line of Section
1668 1,671 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 #: 15-32-15-25
Field Name: Louisburg
Producing Formation: South Mound, Lexington, Summit, & Mulky
Elevation: Ground: 1,091 Kelly Bushing: _____
Total Depth: 640' 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 532
feet depth to surface w/ 124 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.: _____

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]
For Osborn Energy, L.L.C.
Title: _____ Date: 1/13/05
Subscribed and sworn to before me this 13 day of January
2005
Notary Public: [Signature]
Date Commission Expires: _____ REX R. ASHLOCK

KCC Office Use ONLY

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

Side Two

Operator Name: Osborn Energy, L.L.C. Lease Name: Richard Moore Well #: 15-32-15-25
 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)

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

List All E. Logs Run:

Gamma Ray-Neutron
 (copy attached)

Driller's log and cement tickets sent w/ original ACO-1

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"	NA	20'	Portland	6	None
Production	7 7/8"	5 1/2"	15.50	532	50/50 Poz	125	2% gel

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
4	Perf'd from 467- 471, 17 shots, 8/05/03	250 gal. of 15% HCl acid	467-71
None	Open hole from 532-640	None	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	set at 620	None	Yes, 4 1/2" perf'd liner from 526 to 640
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
7/2003		Flowing ☐ Pumping ☒ Gas Lift ☐ Other (Explain) ☐			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	None	31	202		No Oil

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease☒ Open Hole

Perf.

Dually Comp.

☒ Commingled

See above

☐ Other (Specify) _____

Drillers Log

Richard Moore #15-32-15-25

1671 FEL, 792 FSL (N 41° 42.053', W 94° 39.296')

Section 32-T15S-R25E

Miami, Co. Kansas

API #15-121-27684

Elevation: 1091 GL (est. from Topo. Map)

Drilling Contractor: Glaze Drilling Co., (Lic. #5885)

Spud: 4/10/2003

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: 640' on 4/12/03

Drilling fluid: Air

E-Log Total Depth: No Open Hole Run

Production Csg.: Used 5 1/2" 15.50#/ft., set at 532'+/-

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 28 2003

CONSERVATION DIVISION
WICHITA, KS

Formation	Driller Log Tops	Datum
Stark Shale	263	828
Hushpuckney Shale	290	801
Base Kansas City	306	785
"Upper" Knobtown Sand	Not Developed	----
"Middle" Knobtown Sand	Poorly Developed	----
"Lower" Knobtown Sand	Poorly Developed	----
Carbonaceous Zone in Tacket Fm.	No Call	----
"Big Lake" Sand	Poorly Developed	----
South Mound Zone	468	623
Hepler (Wayside) Sand	Not Developed	----
"Upper" Mulberry Zone	No Call	----
Mulberry Zone	No Call	----
Weiser Sand	511	580
Myrick Station	528	563
Anna Shale (Lexington Coal Zone)	531	560
Peru Sand	533	558
Summit Shale Zone	568	523
Mulky Coal/Shale Zone	592	499
Squirrel Sand	Poorly developed	----
Rotary Total Depth	640	451