

1-21-2001

FORM MUST BE TYPED

* Corrected #2 SIDE ONE

ORIGINAL

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

CONFIDENTIAL

Operator: License # 32294Name: Osborn Energy, L.L.C.Address 24850 FarleyCity/State/Zip Bucyrus, Kansas 66013Purchaser: Akawa Natural Gas, L.L.C.Operator Contact Person: Steve AlleePhone (913) 533-9900Contractor: Name: R. S. Glaze Drilling CompanyLicense: 5885Wellsite Geologist: Rex Ashlock

Designate Type of Completion

☒ New Well ☐ Re-Entry ☒ Workover☐ Oil ☐ SWD ☐ SOW ☐ Temp. Abd.☐ Gas ☐ ENHR ☐ SIGW* ☒ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Osborn Energy, LLCWell Name: Heartland #1Comp. Date Old Total Depth 980☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD☐ Plug Back ☐ PBTD☐ Commingled ☐ Docket No. ☐ Dual Completion ☐ Docket No. ☐ Other (SWD or Inj?) Docket No.

3/31/99 10/10/98 * 11/16/2000 (D&A)

Spud Date Date Reached TD Completion Date

API NO. 15- 091-22879-0001County Johnson10'N of NW - SW - SW Sec. 6 Twp. 15 Rge. 35 X E W1000 Feet from (S)N (circle one) Line of Section4950 Feet from (E)W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)Lease Name Heartland Well # 1Field Name StilwellProducing Formation N/AElevation: Ground 1048' KB N/ATotal Depth 980' PBTD N/AAmount of Surface Pipe Set and Cemented at 20 FeetMultiple Stage Cementing Collar Used? Yes X NoIf yes, show depth set N/A FeetIf Alternate II completion, cement circulated from N/Afeet depth to N/A w/ N/A sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume 500+/- bblsDewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name Lease Name License No. Quarter Sec. Twp. S Rng. E/WCounty 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 Rex AshlockTitle Geologist Date 12-20-2000Subscribed and sworn to before me this 20 day of December, 192000.Notary Public William M. OsbornDate Commission Expires 3-6-02 RECEIVED KANSAS CORPORATION COMMISSION

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)

Form ACO-1 (7-91)

Notary Public — State of Kansas
WILLIAM M. OSBORN
My Appt. Exp. 3-6-02

21 2000

CONSERVATION DIVISION
WICHITA, KS

56328

SIDE TWO

Operator Name Osborn Energy, L.L.C.

Lease Name Heartland

Well # 1

Sec. 6 Twp. 15 Rge. 24
☒ East
☐ West

County Johnson

CONFIDENTIAL

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

☒ 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

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

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☒ No
	N/A				
Date of First, Resumed Production, SMD or Inj.		Producing Method			
N/A		N/A	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N/A	N/A	N/A	N/A	N/A

Disposition of Gas: METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled

☒ Other (Specify) D & A