

FORM MUST BE TYPED

SIDE ONE

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

API NO. 15- 091-228130000

County Johnson

S2 - SW - NW - SW Sec. 7 Twp. 15 Rge. 25 E

1670 feet from N (circle one) Line of Section

4950 feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner

NE, SE, NW or SW (circle one)

Lease Name Metcalf Partners Well # 5

* Field Name Stilwell

Producing Formation Bartlesville

Elevation: Ground 1075' KB

Total Depth 840' PBTD

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 839

feet depth to surface w/ 155 sx cmt.

PA-Alt2-Dlg-3/5/09

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume 80 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.

Operator: License # 32294

Name: OSBORN ENERGY L.L.C.

Address: 9401 Indian Creek Pkwy., #40, Suite 440

City/State/Zip Overland Park, KS 66210

Purchaser: AKAWA Natural Gas, L.L.C.

Operator Contact Person: Steve Allee

Phone (913) 327-1831

Contractor: Name: R.S. Glaze Drilling Co.

License: 5885

Wellsite Geologist: None

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:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

10/6/97 Spud Date 10/8/97 Date Reached TD 10/9/97 Completion Date

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 11-10-98

Subscribed and sworn to before me this 10th day of November, 19 98.

Notary Public Susan L. Forward
Date Commission Expires 4-10-02

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)

SUSAN L. FORWARD
Notary Public
State of Kansas
My Appt. Expires 4-10-02

SIDE TWO

Operator Name Osborn Energy, L.L.C. Lease Name Metcalf Partners Well # 5
 Sec. 7 Twp. 15 Rge. 25 East County Johnson
 West

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Drillers Log Attached		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run: Gamma Ray Neutron				

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	8"	7"		20'	Portland	6	None
Production	6 1/4"	2 7/8"		839	50/50 poz	155	2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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
* 2	769.0-779.0		

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Date of First, Resumed Production, SWD or Inj. 6/97			Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil N/A Bbl.	Gas 25 Mcf	Water 0 Bbls.	Gas-Oil Ratio 0	Gravity		

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

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

TICKET NUMBER 09290

LOCATION Ottawa

FOREMAN Alan Mader

TREATMENT REPORT

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
10-3-97	3137	Metcalf #5		7	15	25	Jo	
CHARGE TO <u>R.S. Glaze</u>				OWNER				
MAILING ADDRESS <u>22139 Victory Rd</u>				OPERATOR				
CITY <u>Springhill</u>				CONTRACTOR <u>Glaze</u>				
STATE <u>KS</u>		ZIP CODE <u>66083</u>		DISTANCE TO LOCATION <u>40</u>				
TIME ARRIVED ON LOCATION <u>4:30</u>				TIME LEFT LOCATION <u>5:30</u>				

HOLE SIZE	<u>6 1/2</u>
TOTAL DEPTH	<u>846</u>
CASING SIZE	<u>2 1/2</u>
CASING DEPTH	<u>839</u>
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

<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

	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO JOB

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Establish circulation with clean water
Mixed + pumped 2 sx gel followed by app 5 bbl clean
water. Mixed + pumped 155 sx 50/50 pos 2 70gel.
Circulated cen to surf. Pumped 2 1/2 rubber plug to
bottom with app 5 bbl clean water. Well held 600# pres.
Closed valve.

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

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

NAME <i>Gym Osborn</i>		SHIP TO <i>R.S. Glaze Drilling Co.</i>	
STREET & NO.		STREET & NO. <i>22139 S. Victory Rd.</i>	
CITY	STATE	CITY	STATE
		<i>Spring Hill, MS</i>	<i>38683</i>

ORDER NO. <i>Metcalfe Partners #5</i>	DEPT.	BUYER	SOLD BY	WHEN SHIP	TERMS	HOW SHIP	DATE <i>10/1/97</i>
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<i>860</i>	<i>ft of drill pipe @ 6.5%</i>	<i>per ft</i>	<i>5,590.00</i>
<i>830</i>	<i>ft 2 7/8" production pipe @ 2.2%</i>	<i>per ft</i>	<i>1,867.50</i>
	<i>Surface casing</i>		<i>135.00</i>
	<i>Cement for surface</i>		<i>35.00</i>
	<i>Outlet to drill</i>		<i>35.00</i>
	<i>Flush pits</i>		<i>180.00</i>
	<i>7 hrs. rig time, setting surface, running</i>		
	<i>prod pipe & cementing pipe @ 12.5%</i>	<i>per ft</i>	<i>825.00</i>
	<i>hardware</i>		<i>200.00</i>
	<i>Well head</i>		<i>200.00</i>
	<i>Consolidated cement job</i>		<i>1904.00</i>

\$11,021.50

Thanks, Susie

10C 88619 00
well 52402 50
1021 50

PAID
CHECK NO. 1200
AMOUNT 52118 -
DATE 10/14/97