KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION



121-27708

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32294	API No. 15 - 12/27703-0000
Name: Osborn Energy, L.L.C.	County:Miami
Address: 24850 Farley	W/2_SW_NE _{Sec.} _4 _{Twp.} 16 _{S. R.} 25X East West
City/State/Zip: Bucyrus, Kansas 66013	feet from S / N (circle one) Line of Section
Purchaser: Akawa Natural Gas, L.L.C.	2,590 feet from E / W (circle one) Line of Section
Operator Contact Person: Steve Allee	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 533-9900	(circle one) NE SE NW SW
Contractor: Name: Suzie Glaze RECEIVED	Lease Name: Niebaum Well #: 07-04-16-25
License: 5885	Field Name: Louisburg
Wellsite Geologist: Rex Ashlock SEP 1 5 2003	Producing Formation: Pawnee
Designate Type of Completion: X New Well Re-Entry Workover Oil SWD SIOW Temp. Abd.	Elevation: Ground: 1,122 Kelly Bushing: N/A
X New Well Re-Entry Workover	Total Depth: 760' Plug Back Total Depth: N/A
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented atFeet
X Gas ENHR X SIGW	Multiple Stage Cementing Collar Used? ☐Yes ▼No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth set N/A Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 575
Operator:	feet depth to surface w/ N/A sx cmt.
Well Name:	Drilling Fluid Management Plan
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume 500+/- bbls
Plug Back Plug Back Total Depth	Dewatering method used evaporation
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	
Other (SWD or Enhr.?) Docket No	Operator Name:
4/15/2003 4/16/2003 waiting on completion	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or Recompletion Date	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 67202, within 120 days of the spud date, recompletion, workover Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. All requirements of the statutes, rules and regulations promulgated to regulate therein are complete and correct to the best of my knowledge.	or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. months if requested in writing and submitted with the form (see rule 82-3-nd geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells.
Signature:	KCC Office Use ONLY
Fitte: 6-0/09/st Date: 9-10-03	Letter of Confidentiality Attached
Subscribed and sworn to before me this	If Denied, Yes Date:
a 2003	Wireline Log Received
STAN DARLINE	Geologist Report Received
Notary Public: Maslure all DARLINE	
Date Commission Expires: 12/17/05 STATE OF EARLAS My Appt. Exp. (3)	/17/45

Operator Name: Osborn Energy, L.L.C.			Leas	Lease Name: Niebaum			Well #:07-04-16-25			
Sec. 4 Twp. 16				Count	ty:	Miami				
INSTRUCTIONS: Shot tested, time tool open temperature, fluid reco	ow important tops a and closed, flowing very, and flow rates	nd base and shu if gas to	of formations pet- t-in pressures, surface test, a	whether s long with	shut-in pre	essure reached	static level, hydro	static pressur	es, bottom noie	
Drill Stem Tests Taken Yes X No (Attach Additional Sheets)					x Log Formation (Top), Deg					
·			es X No		Name			Тор	Datum	
Cores Taken Electric Log Run (Submit Copy)			′es X No ′es No		Drillers Log Attached					
List All E. Logs Run: Gamma Ray Neutron Log					SEP 1 5 2003					
					KCC WICHITA					
		Repo	CASING I		Ne urface, inte	w Used ermediate, product	ion, etc.			
Purpose of String	Size Hole Drilled	Si	ze Casing t (In O.D.)	We	ight / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
Surface	11 1/4"	8 :	5/8"			20'	Portland	6	None	
Production	7 7/8"	5	1/2"	15.5	50	575'	50/50 poz	102	2% gel	
			ADDITIONAL	CEMENTI	NG / SQL	EEZE RECORD		<u></u>		
Purpose:	Depth Top Bottom	Туре	of Cement	#Sacks						
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 A	At	Liner Run	Yes No			
Date of First, Resumed Pr		nr.	Producing Metho	N/A	Flowing	Pumpin	g Gas Lift	Othe	er (Explain)	
Estimated Production Per 24 Hours		ibls.	Gas N/A	Acf	Wate	r Bt	ls. Ga	is-Oil Ratio	Gravity N/A	
Disposition of Gas	METHOD OF COMPLETION Production Interval									
Vented Sold (If vented, Sumi	Used on Lease		Open Hole X Other (Specify	Perf.	SIGW	ually Comp.	Commingled			

Drillers Log

Niebaum #7-4-16-25

2590 FEL, 3300 FSL (N 38° 41.265′, W 94° 38.780′)

RECEIVED

Section 4-T16S-R25E

SEP 1 5 2003

Miami, Co. Kansas API #15-121-27708

SEF 1 3 2003

API #13-121-27706

KCC WICHITA

Elevation: 1122 GL (est. from Topo. Map)

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

Spud: 4/15/2003

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: 760'on 4/16/03

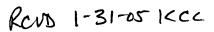
Drilling fluid: Air

E-Log Total Depth: No Open Hole Run (Cased hole GR-N run on 7/15/2003)

Production Csg.: Used 5 ½" 15.50#/ft., set at 575'

Formation	Driller Log Tops	E-Log Tops	<u>Datum</u>			
Stark Shale	321	322	800			
Hushpuckney Shale	348	350	772			
Base Kansas City	367	368	754			
"Upper" Knobtown Sand	Not Developed					
"Middle" Knobtown Sand	397	395	727			
"Lower" Knobtown Zone	No Call	428	694			
Carbonaceous Zone in Tacket Fm.	No Call	478	644			
"Big Lake" Sand	483	480	642			
South Mound Zone	538	538	584			
Hepler (Wayside) Sand	Not Developed					
"Upper" Mulberry Zone	No Call	557	565			
Mulberry Zone	No Call	564	558			
(Following Zones Not Logged Due To Fill, Driller Log Tops Noted)						
"Lower" Weiser Sand	No Call					
Myrick Station	Absent	~ ~ = ~				
Anna Shale (Lexington Coal Zone)	602		520			
Peru Sand	Not Developed					
Summit Shale Zone	641		481			
Mulky Coal/Shale Zone	668		454			
Squirrel Sand	693	AND SQU Mar min	429			
Rotary Total Depth	760		363			
Cased Hole Log (7/15/03)		586	536			

(c) Customer shall be responsible to and secura COWS 290 REMMUKEBAOITE charged 101 our TotCONSOLIDATED OID WELLESERVICES; INCARDA OF THOU SEE ES LOCATION SOFFE 18211 W. 14TH STREET CHANUTE. KS 66720 181 COVS) current Paronicance of services subjection of the male customer agrees to the TROPER TREMTAERTCOMER shall be responsible for and secure COWS tanolinaros tens tarres convolidi against any liability for anjury to or death of persons. OPTO CATESTINE CUSTOMER'#" WELL NAME I FORMATION TRUCK # DRIVER DRIVER SECTION RANGE COUNTY wan on ingteh evit gross negligence of COWS. MALLING ADABES AL TO COWS makes no guarantee towaris e nevs tees in t ons bha ato the products, supplied of the products, reported traioms of any treatment of service CITY Transmission emergency taxes shall be and the necessity of relying on facts and supplying socied in the quoted price. services furnished by others. COWSCE Inable TYPE OF TREATMENT MACON THE STATE OF TIME ARRIVED ON LOCATION TPRODUCTION CASING STEEL JACID STIMULATION [] ACID SPOTTING | | SQUEEZÉ CEMENT bast efforts in carATAG JAWh THEREUG WABANDON DETRUCE (S) FRACTION BELL TO BE BA HOEETSIZEITSUD KIR TEILING IT BOX GERTENDUL TSOC 1 1 PLUG BACK SECTOR DELICY PERAC PNITHOGEN PERFORATIONS SHOTS/FT []MISP PUMP Bollon Lubrative sprished of the Jour 4-13 electric 4-4 OTHER CASING-SIZE OREN HOLESTON AND TO SERVICE CONDITIONS CASING DEPTH -noo 190019 IN PRESSURE LIMITATIONS TOWN TERROLEUS CASING WEIGHT **PO MOITA** TUBING SIZE VALLAW OSTOURTEUR LACTURES EQUIDMENT, Drog-CASING CONDITION TUBING DEPTH SURFACE PIPE TUBING WEIGHT ANNULUS LONG STRING 116 TUBINGICONDITION ON The costomer shall MERCHANTABILITY care, custedy, and control of the well, the drainaut FITNESS muduction equipment at the well, and the comentatorsuntace lune //ad pugnance strength or bing and of welsting or vice which is to be performed." of any products de son Propriétie expression TITLE limited to the replacement of such products, supplies CONS shall not be responsible for, and customer Repairet any indiditry for damaga HI NO event, Shand CMWS PROPPAN sinu dama mor mort ma ine cost of additions s caused by the **PPG** itali. Indirect, punitive er edn-BREAKDOWN PRESSURE DISPLACEMENT MIX PRESSURE COWS personnel will use their best efforts in gatherand their best judgement ing such information ecure COWS sible for and s MIN PRESSURE 19:00/68 ISIP VIIIIDBII YNE IRDIAGE omer agrees that COWS st ig it but clus 15 MIN AAGED ARISING FROM TI ACT YMA TOL USE OF SUCH INFORMATION, even it such is co age is caused by the willful unices such to STAR KAM gence of COWS. tributed by the COWS negligence or ault. minconduct of gatariam



UPDATED 11/04

Kansas Corporation Commission Oil & Gas Conservation Division

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Name: Osborn Energy, L.L.C.	County: Miami (N 38* 41.265', W 94* 38.780')
Address: 24850 Farley	W/2 SW NE Sec. 4 Twp. 16 S. R. 25 X East West
City/State/Zip: Bucyrus, Kansas 66013	3,300 feet from S / N (circle one) Line of Section
Purchaser: Akawa Natural Gas, L.L.C.	2,590 feet from E / W (circle one) Line of Section
Operator Contact Person: Steve Allee	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 533-9900	(circle one) NE E NW SW
Contractor: Name: Susie Glaze dba Glaze Drilling Co.	Lease Name: Niebaum Well # 07-04-16-25
License: 5885	Field Name: Louisburg
Wellsite Geologist: Rex Ashlock	Producing Formation: Lexington, Summit & Mulky
Designate Type of Completion:	Elevation: Ground: 1,122 Kelly Bushing:
X New Well Re-Entry Workover	Total Depth: 760' Plug Back Total Depth: 690
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at Feet
X Gas ENHR X SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 575
Operator:	feet depth to surface w/ N/A sx cmt.
Well Name:	Drilling Fluid Management Plan
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume 500+/- bbls
Plug BackPlug Back Total Depth	Dewatering method used evaporation
<u>X</u> Commingled Docket No. 195,304-C	Location of fluid disposal if hauled offsite:
Dual Completion Docket No. (C-28,554)	Operator Name:
Other (SWD or Enhr.?) Docket No	
4/15/2003 4/16/2003 Waiting on gas line	Lease Name: License No.: See See See See See See See See See Se
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter Sec Twp. S. R East West County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. All requirements of the statutes, rules and regulations promulgated to regulation are complete and correct to the best of my knowledge.	r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells.
Signature: Jeff Taylor	KCC Office Use ONLY
Title: Date: Date:	Letter of Confidentiality Attached
Subscribed and sworn to before me this 13 day of Javuar	If Denied, Yes Date:
2005	Wireline Log Received
R. D. MI	Geologist Report Received
Notary Public: Notary	UIC Distribution
Date Commission Expires: REX R. ASHLO Notary Public - State o	f Kansas

My Appt. Exp. 1-10-09



Side Two

On anter Marro	Osborn Energ	y, L.L.C.	Leasi	e Name:	Niebaur	n	Well #:		
	16 _{S. R.} 25				ami		·		
tested, time tool ope temperature, fluid re	Show important tops a en and closed, flowing ecovery, and flow rates gs surveyed. Attach fi	and shut-in pres if gas to surface	sures, whether setest, along with	hut-in pressur	e reached	static level, hydro	static pressure	es, bottom hole	
(Attach Additional Sheets)		☐ Yes 🗶	No	X Log	Formati	ion (Top), Depth a		Sample	
		Yes X	. No	Name			Тор	Datum	
Cores Taken		Yes x	(No						
Electric Log Run (Submit Copy)		X Yes	No						
List All E. Logs Run	:		Drille	। er's log. E-	loa. & c	ement tickets	sent w/ or	iginal ACO-1	
Gamma Ray Ne	utron Log				3 ,			3	
			ASING RECORD		X Used				
	Size Hole	Report all strin	gs set-conductor, su		Setting	tion, etc.	# Sacks	Type and Percent	
Purpose of String	Drilled Drilled	Set (In O.D.)) Lbs.	/Ft.	Depth	Cement	Used	Additives	
Surface	11 1/4"	8 5/8"	NA NA	`	20'	Portland	6	None	
Production	7 7/8"	5 1/2"	15.5	50	575'	50/50 poz	102	2% gel	
		ADDIT	IONAL CEMENTI	NG / SQUEEZ	E RECORD)			
Purpose:	Depth	Type of Ceme					ercent Additives		
Perforate Protect Casing Plug Back TD Plug Off Zone	Top Bottom								
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				
None	0 1 1 1 6 575 4 000			No	ne				
					<u> </u>				
TUBING RECORD	Size 2 3/8" to be set a	Set At at 680 +/-	Packer A None	t Line	er Run 4 1/2	" perf'd liner	to be set fr	om 570 to 690	
Date of First, Resumed	Production, SWD or Enl	hr. Producir	ng Method						
Waiting on ga	s & water lines			run a sub		<u> </u>			
Estimated Production Per 24 Hours	Oil B None	Bbls. Gas	N/A	Water	N/A	bls. Ga	as-Oil Ratio	Gravity o oil	
Disposition of Gas	METHOD OF CO	OMPLETION		Proc	duction Inter	val	P92 / A.		
Vented Sold	Used on Lease	X Oper		Dually	Comp.	X Commingled	575 to 690	<u> </u>	
To be s	sold	X Othe	r (Specify)					·	