

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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

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: 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:

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.

8/6/98 8/11/98 waiting on completion
Spud Date Date Reached TD Completion Date

API NO. 15- 091-228670000

County Johnson

C - NW - NW - NW Sec. 34 Twp. 14 Rge. 24 ☒ E4950 feet from ☒ N (circle one) Line of Section4950 feet from ☒ W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner

NE, ☒ SE, NW or SW (circle one)

Lease Name Osborn/Jones Well # 2-34

Field Name Stillwell

Producing Formation N/A

Elevation: Ground 1010' KB

Total Depth 1280' 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 1126

feet depth to surface w/ 195 sx cmt.

Drilling Fluid Management Plan *Alt. 2, 1-5-99-UC*
(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 *RELEASED*

Operator Name

Lease Name *MAY 07 2001* License No.

Quarter Sec. Twp. S Rng. E/W

County

FROM CONFIDENTIAL

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

Title Geologist Date 12-01-98

Subscribed and sworn to before me this 1st day of December 1998.

Notary Public Susan Forward

Date Commission Expires 4-10-02

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

K.C.C. OFFICE USE ONLY

☒ Letter of Confidentiality Attached
☒ Wireline Log Received
☐ Geologist Report Received

Distribution
☐ KCC ☐ SWD/Rep ☐ NGPA
☐ KGS ☐ Plug ☐ Other
(Specify)

Form ACO-1 (7-91)

CONFIDENTIAL
SIDE TWO

ORIGINAL

Operator Name Osborn Energy, L.L.C. Lease Name Osborn/Jones Well # 2-34
Sec. 34 Twp. 14 Rge. 24 ☒ 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.)	☐ Yes ☒ No	☒ Log Formation (Top), Depth and Datums	☐ Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name	Top Datum
Cores Taken	☐ Yes ☒ No	Drillers Log Attached	
Electric Log Run (Submit Copy.)	☒ Yes ☐ No		
List All E.Logs Run: Neutron/Density Porosity and Dual Induction			

KCC
DEC 01 1998
CONFIDENTIAL

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	10 3/4"	7"	24.0	31'	Portland	8	None
Production	6 3/4"	4 1/2"	9.0	1126'	Class A	195	2% gilsonite, 2% gel 2% CaCl, 2% flo-seal

ADDITIONAL CEMENTING/SQUEEZE RECORD					RELEASED	
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	and-Percent Additives	MAY 07 2001	
Perforate						
Protect Casing						
Plug Back TD						
Plug Off Zone						

RECEIVED
DEC 3 - 1998
CONSERVATION DIVISION
Lawrence, Kansas

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
6	966.0-969.0	30,000 lbs. of sand	

TUBING RECORD	Size	Set At	Packer At 1116'	Liner Run	Yes ☐ No ☒			
Date of First, Resumed Production, SWD or Inj. Waiting completion		Producing Method N/A	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)					
Estimated Production Per 24 Hours	Oil N/A	Bbl.	Gas SIGW	Mcf	Water N/A	Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas ☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ _____
(If vented, submit ACO-18.)

METHOD OF COMPLETION ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ _____
Other (Specify) SIGW

WELL DRILLERS LOGGING REPORT

ORIGINAL

THICKNESS FORMATION TOTAL DEPTH COMMENTS

30	Surface	30	
50	Lime	80	
10	Shale	90	
8	Lime	98	
20	Shale	118	
4	Red Bed	122	
8	Shale	130	
5	Lime	135	
3	Shale	138	
1	Blk slate	139	
49	Shale	188	
24	Lime	212	
2	Shale	214	
1	Blk Slate	215	Tested - O - gas
3	Shale	218	
22	Lime	240	
2	Shale	242	
2	Blk slate	244	tested - O - gas
116	Lime	260	
5	Shale	265	
8	Sandstone	273	tested - O - gas
3	Sandy shale	276	
90	Shale	366	
3	Sandy shale	369	
10	Sand	379	
39	Shale	418	
8	Shale (green)	426	
10	Shale	436	
4	Red Bed	440	
6	Shale	446	
4	Lime	450	
11	Shale	461	
6	Lime	467	
2	Sandy lime	469	
5	Sandy shale	474	
11	Shale	485	
6	Lime	491	
1	Blk slate	492	

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CONSERVATION DIVISION
Winifred, Kansas

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STATE CORPORATION COMMISSION
DEC 3 - 1998

RELEASED

MAY 07 2001

FROM CONFIDENTIAL

OSBORN/JONES

#2-34

34-14-24E.

4950FNL - 4950 FEL

PAGE #1 of 3

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SCANNED
FILE COPY

WELL DRILLERS LOGGING REPORT

THICKNESS FORMATION TOTAL DEPTH COMMENTS

ORIGINAL

~~622~~	~~Red Bed~~	~~494~~	~~I~~	
2	Sandy shale	494	I	
5	Sandy lime	499	I	
3	Lime	502	I	
3	Shale	505	I	
5	Lime	510	I	
7	Shale	517	I	
8	Red Bed	525	I	
3	Shale	556	I	
4	Sandstone	560	I	
2	Shale	562	I	
7	Sandstone	569	I	
	Shale	645	I	
less than 1	Coal	646	I	
7	Shale	653	I	
1	Coal	654	I	
20	Shale	674	I	
	Lime	675	I	
	Shale (sandy)	676	I	
5	Sandstone	681	I	
4	Shale	685	I	
1	Blk Slate	686	I	
18	Shale	704	I	
3	Sand	712	I	
16	Shale	728	I	
3	Blk Slate	731	I	
	Coal	732	I	
1	Blk Slate	733	I	
17	Shale	750	I	
7	Shale (Dark)	757	I	
3	Sand	760	I	
110	Shale	870	I	
5	Sand	875	I	
25	Shale	900	I	
5	Shale (sandy)	915	I	
3	Dark Shale	918	I	
2	Sand	920	I	
19	Shale	939	I	

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MAY 07 2001

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STATE MINERALATION COMMISSION
MAY 5 - 1998
CONFIDENTIAL DIVISION
Wichita, Kansas

OCEBN/JONES 2-34

ORIGINAL

 THICKNESS | FORMATION | TOTAL_DEPTH | COMMENTS |

27	Shale	966
3	Coal	969
248	Miss. Lime	1221
59	Lime (Soft)	1280
		T.D. 1280'

DEC
CONF

RELEASED

MAY @ 7.2001

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STATE CORPORATION COMMISSION
JUL 3 - 1998
CONSERVATION DIVISION
Wichita, Kansas

KCC

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~~MAY 07 2001~~

~~FROM CONFIDENTIAL~~

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STATE CORPORATION COMMISSION
DEC 3 - 1998
CONSERVATION DIVISION
Winthia, Kansas

PURCHASE ORDER

ORIGINAL

ORDER
930

CONFIDENTIAL

To: Jim Osborn

SHIP TO

R.S. Glaze Drk

KDC

ADDRESS

ADDRESS

CITY

CITY

DEC 01 1998

CONFIDENTIAL

REQ NO	FOR	DATE ORDERED	TERMS	HOW SHIP	DATE
	OSBORN/Jones	#2-34			8/31/98
1	1280' + 9' del @ 105° per ft.				8320'
2	Surface casing 31' at 7° @ 70° per ft				210'
3	Conduit for surface				56'
4	13 hrs Original, setting surface,				
5	cleaning out, circulating, logging				
6	@ 125° per hr. + running pipe				1625'
7					
8					
9					
10					
11					
12					
13					\$ 10211.4
14					
15					
16					
17					
18					
19					
20					
11					
12					

Charles Lusia

RELEASED

MAY 07 2001

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STATE CORPORATION COMMISSION
Dec 3 - 1998
Wichita Kansas

PAY TO
CHECK NO. 2589
AMOUNT 32422.50
DATE 7/3/98

PLEASE SEND COPIES OF YOUR INVOICE WITH ORIGINAL BILL OF LADING

PURCHASING AGENT

ORIGINAL

ORIGINAL

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

TICKET NUMBER 08237

LOCATION Ottawa, KSFOREMAN Jim Green

CONFIDENTIAL

TREATMENT REPORT

PO # 097988

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
8-12-98	6073	H2-34 Osborn/Jones		34	14	24	30.	
CHARGE TO <u>Osborn Energy L.L.C.</u>				OWNER				
MAILING ADDRESS <u>46 Corp Woods Ste 410</u>				OPERATOR <u>Rev Ashlock</u>				
CITY <u>Overland Park,</u>				CONTRACTOR <u>R.S. Glaze Drilling</u>				
STATE <u>Ks.</u> ZIP CODE <u>66210-2007</u>				DISTANCE TO LOCATION <u>40</u>				
TIME ARRIVED ON LOCATION <u>3:00 PM</u>				TIME LEFT LOCATION <u>5:00 PM</u>				

HOLE SIZE	6 3/4"
TOTAL DEPTH	1280'
CASING SIZE	4 1/2"
CASING DEPTH	1126 packer at 1116'
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	KCC
PACKER DEPTH	DEC 01 1998
PERFORATIONS	CONFIDENTIAL
SHOTS/FT	
OPEN HOLE	RELEASED
TREATMENT VIA	

TYPE OF TREATMENT

- | | |
|---|---|
| ☐ SURFACE PIPE | ☐ ACID BREAKDOWN |
| ☒ PRODUCTION CASING | ☐ ACID STIMULATION |
| ☐ SQUEEZE CEMENT | ☐ ACID SPOTTING |
| ☐ PLUG & ABANDON | ☐ FRAC |
| ☐ PLUG BACK | ☐ FRAC + NITROGEN |
| ☐ MISC PUMP | ☐ FOAM FRAC |
| ☐ OTHER | ☐ NITROGEN |

PRESSURE LIMITATIONS

	THEORITICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO MAY 07 2001

FROM CONFIDENTIAL

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Establish circulation with H₂O. Pressure up to 800" to set Type B packer. Circulate mix and pump 250 Potassium Chloride to flush hole. Mix and pump 195# Class H cement with 2% Gelcrete, 2% gel, 2% Calcium Chloride, 2% F10-Seal. Flush pump clean of cement. pump 4 1/2" batch down plug to 1116" pressure up to 900" to lock plug in. Check with wire line set good. Circulated cement to surface.

PRESSURE SUMMARY

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

AUTHORIZATION TO PROCEED

TITLE

DATE

TREATMENT RATE

BREAKDOWN BPM
INITIAL BPM
FINAL BPM
MINIMUM BPM
MAXIMUM BPM
AVERAGE BPM
HYD HHP = RATE x PRESSURE x 40.8

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.

NSCOM 15100