

FORM MUST BE TYPED

RECEIVED

SIDE ONE

ORIGINAL

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

FEB 14 2002

Operator: License # 32294 CONSERVATION DIVISIONName: 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: _____

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. _____

4/6/2001 4/11/2001 6-18-2001 (D&A)
Spud Date Date Reached TD Completion Date

API NO. 15- 121-27558-0000County Miami- NE - NE - NW Sec. 7 Twp. 16 Rge. 25 X E W4,930 Feet from (S)N (circle one) Line of Section3,000 Feet from (E)W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)Lease Name Apac Well # 2Field Name Paola-RantoulProducing Formation N/AElevation: Ground 1,068 KB N/ATotal Depth 1,021' PBTD N/AAmount of Surface Pipe Set and Cemented at 20 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ NoIf yes, show depth set N/A FeetIf Alternate II completion, cement circulated from N/Afeet depth to N/A w/ N/A ex. cnt.Drilling Fluid Management Plan A142-Dlg-3/5/09
(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/W

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 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 12-7-01Subscribed and sworn to before me this 7th day of December, 2001.Notary Public M.A.W. Williams

Date Commission Expires _____



K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/> Letter of Confidentiality Attached	
C	<input type="checkbox"/> Wireline Log Received	
C	<input type="checkbox"/> Geologist Report Received	
Distribution		
<input type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other
(Specify)		

Form ACD-1 (7-91)

Operator Name Osborn Energy, L.L.C.

SIDE TWO

Lease Name Apac Well # 2

Sec. 7 Twp. 16 Rge. 25 ☒ East
☐ West

County Miami

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

Drillers Log Attached

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	13 1/8"	10 3/4"		20'	Portland	5	None

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
N/A				

Date of First, Resumed Production, SUD or Inj. 6/18/2001		Producing Method N/A <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. N/A	Gas Mcf N/A	Water Bbls. N/A	Gas-Oil Ratio N/A	Gravity 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

RECEIVED
STATE CORPORATION COMMISSION

ORIGINAL

FEB 14 2002

CONSERVATION DIVISION
Topeka, Kansas

APAC # 2

Section 7-T16S-R25E

Miami Co., KS

API #: 15-121-27558

Spud 4/6/01

Elevation: 1065' est. from Topo. Map

Surface casing: 10 3/4" at 20' cemented with 5 sx

8 3/4" bore hole.

Drilling fluid: Air

NOTE: Twisted off drill string while drilling at 1021'. Top of "fish" at 320' +/- . Could not fish out. Plugged well.

Driller's log copied from original in the field and finished in the office by Rex R. Ashlock.

Surface	22	
Limestone	45	
Sandstone	50	
Limestone	128	
Shale	181	
Limestone	193	
Shale	215	
Limestone	218	
Shale	230	
Limestone	231	
Shale	261	
Limestone	271	
Shale	284	
Limestone	310	Stark, OpFlo tested at 320', no flow
Shale	313	
Black Slate	316	
Shale	319	
Limestone	338	Hushpuckney, OpFlo test at 340' and 360', no flow
Shale	340	
Black Slate	342	
Limestone	345	
Shale	350	
Limestone	356	Base Kansas City
Shale	384	
Sandy Shale	388	
Shale	461	
Sand	465	No open flow
Sandy Shale	475	
Shale	526	
Sandy Shale	536	
Limestone	543	
Shale	545	
Limestone	565	

JAYSON

Shale	582	
Limestone	586	
Black Slate	588	Open flow 16 MCFPD
Sandy Shale	598	
Limestone	616	
Shale	625	
Limestone	626	
Black Slate	628	
Shale	636	
Limestone	639	Test at 640', 27 MCFPD, 11 MCFPD increase.
Shale	653	
Black Slate	657	
Shale	676	Test at 660', no increase.
Shale	690	
Sand	702	Test at 700', no increase.
Shale Sandy	730	
Shale	733	
Limestone	737	
Shale	764	
Black Slate	769	
Sandy Shale	779	Test at 780', no increase
Shale	831	
Sandy Shale	845	
Shale	870	
Sand Shaley	890	
Sandy Shale	897	
Shale	915	
Sandy Shale	949	
Sand	957	
Shale	959	Test at 960', no increase.
Shale	1013	
Lime	1021	

NOTE: Twisted off while drilling Mississippi.

RECEIVED
STATE CORPORATION COMMISSION

FEB 14 2002

ORIGINAL

CONSOLIDATED INDUSTRIAL SERVICES, INC.

211 W. 14TH STREET, CHANUTE, KS 66720

316-431-9210 OR 800-457-8676

CONSERVATION DIVISION

Chanute, Kansas

TREATMENT REPORT

TICKET NUMBER 14367

LOCATION Off Hwy 9FOREMAN Alan Maden

DATE	CUSTOMER ACCT #	WELL NAME	CTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
6-19-01	3137	APAC #2		7	16	25	MI	
CHARGE TO: <u>B.S. Glaze</u>				OWNER:				
MAILING ADDRESS <u>22139 Victory Rd</u>				OPERATOR				
CITY <u>Springhill</u>				CONTRACTOR				
STATE <u>KS</u> ZIP CODE <u>66083</u>				DISTANCE TO LOCATION <u>40</u>				
TIME ARRIVED ON LOCATION <u>2:00</u>				TIME LEFT LOCATION <u>3:30</u>				

HOLE SIZE	8 3/4
TOTAL DEPTH	1021'
CASING SIZE	
CASING DEPTH	
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT

- | | |
|--|---|
| <input type="checkbox"/> SURFACE PIPE | <input type="checkbox"/> ACID BREAKDOWN |
| <input type="checkbox"/> PRODUCTION CASING | <input type="checkbox"/> ACID STIMULATION |
| <input type="checkbox"/> SQUEEZE CEMENT | <input type="checkbox"/> ACID SPOTTING |
| <input checked="" 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 |

PRESSURE LIMITATIONS

	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO JOB

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Washed 1" tubing down to top of broken drill steel at 320'. Mixed and pumped 110 sx 40/60 po2 mix cement 720 gal, 1% cal. Circulated cement to surface. Pulled 1" out of well & topped off with 5 more sx. Left hole full to surface.
115 sx total 40/60 po2, 4% cal, 1% cal 40% po2, 60% cement.

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
8 MIN SIP	psi
16 MIN SIP	psi

AUTHORIZATION TO PROCEED

TITLE

DATE

BREAKDOWN BPM
INITIAL BPM
FINAL BPM
MINIMUM BPM
MAXIMUM BPM
AVERAGE BPM
HYD NHP = RATE X PRESSURE X 40.8

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

ORIGINAL

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FEB 14 2002 *607*

TECHNICIAN