

15.093.20486.0001

FORM MUST BE TYPED

SIDE ONE

REVISED

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

API NO. 15- 093- 20486 - 0001 ORIGINAL
County Kearny
- E/2 - SE Sec. 12 Twp. 21S Rge. 38 X W

Operator: License # 5249

Name: Osborn Heirs Company

Address P. O. Box 39

City/State/Zip Kendall, Kansas 67857

Purchaser: Duke Energy

Operator Contact Person: Art Childers

Phone (316) 373-2701

Contractor: Name: _____

License: _____

Wellsite Geologist: None 11-23-99

Designate Type of Completion

New Well _____ Re-Entry X Workover _____
Oil _____ SWD _____ SIOW _____ Temp. Abd. _____
X Gas _____ ENHR _____ SIGW _____
Dry _____ Other (Core, WSW, Expl., Cathodic, etc) _____

If Workover:

Operator: Osborn Heirs Company

Well Name: Zongker #1A

Comp. Date 3-14-78 Old Total Depth 3,050'

Deepening _____ Re-perf. _____ Conv. to Inj/SWD _____
X Plug Back 2,850' PBTB _____
Commingle _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____

9-15-99 9-15-99 10-1-99
Date of Start of workover Date Reached TD Completion Date

1,320 Feet from S (circle one) Line of Section
100 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)

Lease Name Zongker Well # 1A

Field Name Hugoton

Producing Formation Hugoton Chase

Elevation: Ground 3,347' KB 3,354'

Total Depth 3,050' PBTB 2,850'

Amount of Surface Pipe Set and Cemented at 345 Feet

Multiple-Stage Cementing Collar Used? _____ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 3,039'
feet depth to surface w/ 700 sx cmt.

Drilling Fluid Management Plan Re-work, 12-27-99 v.c.
(Data must be collected from the Reserve Pit)
Well was plugged back from Council Grove, no reserve pit was necessary.

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

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 Arthur B. Childers
Title Engineer Date 11-17-99

Subscribed and sworn to before me this 17 day of Nov 19 99

Notary Public Becky Grusing

Date Commission Expires 4-17-02

K.C.C. OFFICE USE ONLY
F No Letter of Confidentiality Attached
C _____ Wireline Log Received
C _____ Geologist Report Received
Distribution
✓ KCC _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other
(Specify)

BECKY GRUSING
Notary Public - State of Kansas
My Appt. Expires 4-17-02

Form ACO-1 (7-91)



Operator Name Osborn Reirs Company **SIDE TWO** Lease Name Zongker Well # 1A

Sec. 12 Twp. 21S Rge. 38 East West County Kearny

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 Compensated Acoustic Velocity
 Gamma Calliper Log (previously submitted)

Log **Formation (Top), Depth and Datum** Sample

Name	Top	Datum
Krider	2,622'	+ 732'
Winfield	2,666'	+ 688'
Towanda	2,701'	+ 653'
Fort Riley	2,740'	+ 614'

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	12-1/4"	8-5/8"	24	345'	Class H	200	3% CaCl2
Production	7-7/8"	5-1/2"	14	3,039'	Lite	500	
					Pozmix	200	18% salt

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	2,850'			
<input checked="" type="checkbox"/> Plug Back TD	2,960'	Premium	100	None
<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
4	Krider 2,624' to 2,632'	Acidized with 1,000 gallons 7-1/2% HCl.
	Cement retainer @ 2,850' squeeze w/ 100 sxs.	Fractured w/ 14,600 gallons 70 quality N2 foam
2	Council Grove 2,885' to 2,960' squeezed	with 20,000 # 16-30.

TUBING RECORD Size 2-3/8" Set At 2,680' Packer At ---- Liner Run Yes No

Date of First, Resumed Production, SWD or Inj.	Producing Method	Flowing Pumping Gas Lift	Other (Explain)
10-6-99	Pumping		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity
		80	145

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2,624' - 2,632'

(If vented, submit ACO-18.) Other (Specify) _____

P.04

(316) - 373-2605

Dec-23-99 03:40P Richard Geter



Halliburton Energy Services, Inc.

SOLD TO

OSBORN HEIRS COMPANY
 BOX 17968
 SAN ANTONIO TX 78286
 USA

SHIP TO

WELL OPERATOR
OSBORN HEIRS ZONGKERS
 #1-A, KEARNEY
 LEASE NAME : OFFSHORE AREA
ZONGKERS
 WELL NUMBER
 #1-A
 WELL PERMIT NO.
SEC12-T21S-R38W
 ADDRESS
 *
 CITY, STATE, ZIP CODE

TICKET TYPE	COMPANY CODE	HALLIBURTON ORDER NO
Services	1100	152885
CUSTOMER P.O. NO.	JOB DATE	PRIMARY SERVICE LOC
N/A	09/13/1999	Liberal, KS, USA

SALES OFFICE	WELL TYPE	WELL CATEGORY	RIG NAME : NO.
Mid-Continent BD	Oil	Development	OSBORN HEIRS COMPANY

QTY	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
10	7526	PSL-CMT Squeeze Perforations-BOM Liberal, KS, USA Hwy 54 West IP075	1.00	JOB	0.00	0.00
20	1	MILEAGE FROM NEAREST HES BASE, /UNIT, ZI Liberal, KS, USA Hwy 54 West	50	MI	3.65	182.50
			50	MI	1.02-	51.10-
			50	MI	2.63	131.40
		000-117				
		With the following configuration: Number of Units		1 unit		
30	2	MILEAGE FOR CEMENTING CREW, ZI Liberal, KS, USA Hwy 54 West	50	MI	2.15	107.50
			50	MI	0.60-	30.10-
			50	MI	1.55	77.40
		000-119				
		With the following configuration: Number of Units		1 unit		

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

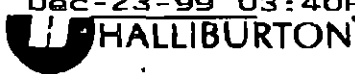
VOICE INSTRUCTIONS	
PAYMENT TERMS Net due in 20 days	
HALLIBURTON OPERATOR / ENGINEER	HALLIBURTON APPROVAL

TOTAL FROM THIS PAGE	208.80
TOTAL FROM NEXT PAGE(S)	3,371.58
SLSTOTAL	3,580.38
TAXES	84.69
GRAND TOTAL	3,665.07
	US Dollars



Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
40	23	OPEN HOLE SQUEEZE THRU PERF,0-4 HRS,ZI				
		Liberal, KS, USA Hwy 54 West	1.00	UN	1,929.00	1,929.00
			1.00	UN	540.12-	540.12-
			1.00	UN	1,388.88	1,388.88
		009-134				
		With the following configuration:				
		CHARGE BY FT OR RANGE OF FEET	2,900	ft		
50	132	PORTABLE DAS,/DAY/JOB,ZI				
		Liberal, KS, USA Hwy 54 West	1.00	JOB	760.00	760.00
			1.00	JOB	212.80-	212.80-
			1.00	JOB	547.20	547.20
		045-050				
		With the following configuration:				
		NUMBER OF DAYS	1	Days		
60	100003687	CEMENT- Premium (Bulk)				
		Hugoton, KS, USA	100.00	SK	15.34	1,534.00
			100.00	SK	4.30-	429.52-
			100.00	SK	11.04	1,104.48
		CEMENT - CLASS H - PREMIUM - BULK				
		CEMENT - CLASS H - PREMIUM - BULK				
70	3965	HANDLE&DUMP SVC CHRГ, CMT&ADDITIVES,ZI				
		Hugoton, KS, USA	100.00	CF	1.66	166.00
			100.00	CF	0.46-	46.48-
			100.00	CF	1.20	119.52
		500-207				
		With the following configuration:				
		NUMBER OF EACH	1	each		
80	3975	MILEAGE,CMTG MTLs DEL/RETURNED,ZI				
		Hugoton, KS, USA	235.0	TMI	1.25	293.75
			235.0	TMI	0.35-	82.25-
			235.0	TMI	0.90	211.50
		500-306				



JOB LOG

ORDER NO / INNOV

TICKET #

152283

TICKET DATE

REGION North America	NWA/COUNTRY Canada	BOA / STATE ON	COUNTY Sudbury
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
TRAIL / WELL #	SPEC / TWP / RANG		

ORIGINAL

REG EMP NAME / EMP # / EXPOSURE (HOURS)	IRG	REG EMP NAME / EMP # / EXPOSURE (HOURS)	IRG	REG EMP NAME / EMP # / EXPOSURE (HOURS)	IRG	REG EMP NAME / EMP # / EXPOSURE (HOURS)	IRG

CHART NO.	TIME	RATE (BPM)	VOLUME (BDL)(CAL)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	1mg	0.5g	
1200								Start location at well site
1205								Start pumping 1000 gal/min
1210								Pressure 1000 PSI
1215								Flow 1000 GPM
1220								Pressure 1000 PSI
1225								Flow 1000 GPM
1230								Pressure 1000 PSI
1235								Flow 1000 GPM
1240								Pressure 1000 PSI
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2550								Pressure 1000 PSI
2555								Flow 1000 GPM
2600								Pressure 1000 PSI
2605								

COPY

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

API NO. 15- 093- 20486-0001

County Kearny
- - E/2 - SE Sec. 12 Twp. 21S Rge. 38 X W
E

Operator: License # 5249

1,320 Feet from SN (circle one) Line of Section

Name: Osborn Heirs Company

100 Feet from EW (circle one) Line of Section

Address P. O. Box 39

Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)

City/State/Zip Kendall, Kansas 67857

Lease Name Zongker Well # 1A

Purchaser: Duke Energy

Field Name Hugoton

Operator Contact Person: Art Childers

Producing Formation Hugoton Chase

Phone (316) 373-2701

Elevation: Ground 3,347' KB 3,354'

Contractor: Name: _____

Total Depth 3,050' PBDT 2,850'

License: _____

Amount of Surface Pipe Set and Cemented at 345 Feet

Wellsite Geologist: None

Multiple Stage Cementing Collar Used? Yes X No

Designate type of Completion

If yes, show depth set _____ Feet

Oil SWD SLOW Temp. Abd.

If Alternate II completion, cement circulated from 3,039'

X Gas ENHR SIGW

feet depth to surface w/ 700 gx cm.

Dry Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan

If Workover:

(Data must be collected from the Reserve Pit)

Operator: Osborn Heirs Company

Well was plugged back from Council Grove, no reserve pit was necessary.

Well Name: Zongker #1A

Chloride content _____ ppm Fluid volume _____ bbls

Comp. Date 3-14-78 Old Total Depth 3,050'

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

XXX SQUEEZED OFF OLD PERFORATIONS

X Deepening XXX Re-perf. Conv. to Inj/SWD

X Plug Back 2,850' PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

Operator Name _____

Lease Name _____ License No. _____

3-11-78 3-14-78 10-1-99

Spud Date Date Reached TD Completion Date

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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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 Arthur P. Childers
Title Engineer Date 11-5-99

Subscribed and sworn to before me this 5 day of Nov, 1999.
Notary Public Becky Grusing
Date Commission Expires 4-17-02

BECKY GRUSING
Notary Public - State of Kansas
My Appt. Expires 4-17-02

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)

SIDE TWO

Operator Name Osborn Heirs Company Lease Name Zongker Well # 1A

Sec. 12 Twp. 21S Rge. 38 East County Kearny

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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

Log **Formation (Top), Depth and Datum** Sample

Name	Top	Datum
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List All E.Logs Run Compensated Acoustic Velocity
Gamma Cailiper Log (previously submitted)

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New Used

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	Cement retainer @ 2,850' squeeze w/ 100 sxs.	Fractured w/ 14,600 gallons 70 quality N2 foam
2	Council Grove 2,895' to 2,960' squeezed	with 20,000 # 16-30.

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	2,680'	----		
Date of First, Resumed Production, SWD or Inj.		Producing Method				
10-6-99		Pumping				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Bbls.	Mcf	Water Bbls.	Gas-Oil Ratio	Other (Explain) Gravity
	-----	80		145		

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2,624' - 2,632'

(If vented, submit ACO-18.) Other (Specify) _____

COPY

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City/State/Zip Kendall, Kansas 67857

Purchaser: Duke Energy

Operator Contact Person: Art Childers

Phone (316) 373-2701

Contractor: Name:

License:

Wellsite Geologist: None

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Oil SWD SIOW Temp. Abd.
X Gas ENHR SIGW
Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Osborn Heirs Company

Well Name: Zongker #1A

Comp. Date 3-14-78 Old Total Depth 3,050'

XXX SQUEEZED OFF OLD PERFORATIONS

Deepening XXX Re-perf. Conv. to Inj/SWD
X Plug Back 2,850' PBTD
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

3-11-78 3-14-78 10-1-99
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API NO. 15- 093- 20486-0001

County Kearny

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1,320 Feet from N (circle one) Line of Section

100 Feet from E/W (circle one) Line of Section

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Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Well was plugged back from Council Grove, no reserve pit was necessary.

Chloride content ppm Fluid volume bbls

Dewatering method used

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 Arthur P. Childers
Title Engineer Date 11-5-99

Subscribed and sworn to before me this 5 day of Nov, 1999.

Notary Public Becky Grusing
Date Commission Expires 4-17-02

BECKY GRUSING
Notary Public - State of Kansas
My Appt. Expires 4-17-02

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)

Operator Name Osborn Heirs Company Lease Name Zongker Well # 1A

Sec. 12 Twp. 21S Rge. 38 East County Kearny

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 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 Compensated Acoustic Velocity
Gamma Cailiper Log (previously submitted)

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Krider	2,622'	+ 732'
Winfield	2,666'	+ 688'
Towanda	2,701'	+ 653'
Fort Riley	2,740'	+ 614'

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	12-1/4"	8-5/8"	24	345'	Class H	200	3% CaCl2
Production	7-7/8"	5-1/2"	14	3,039'	Lite	500	
					Pozmix	200	1% salt

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	2,850'			
<input checked="" type="checkbox"/> Plug Back TD	2,960'	Premium	100	None
<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
4	Krider 2,624' to 2,632'	Acidized with 1,000 gallons 7-1/2% HCl
	Cement retainer @ 2,850' squeeze w/ 100 sxs.	Fractured w/ 14,600 gallons 70 quality N2 foam
2	Council Grove 2,885' to 2,960' squeezed	with 20,000 # 16-30.

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	2,680'	----	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method			
10-6-99	Pumping			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Flowing Pumping Gas Lift Other (Explain)
		80	145	Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

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

Production Interval: 2,624' - 2,632'

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

ORIGINAL

API NO. 15- 093- 20486 - 0001
County Kearny
- E/2 - SE Sec. 12 Twp. 21S Rge. 38 X W

Operator: License # 5249

Name: Osborn Heirs Company

Address P.O. Box 39

City/State/Zip Kendall, Kansas 6857

Purchaser: Duke Energy

Operator Contact Person: Art Childers

Phone (316) 373-2701

Contractor: Name: _____

License: _____

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: Osborn Heirs Company

Well Name: Zongker #1A

Comp. Date 3-14-78 Old Total Depth 3,050'

XXX SQUEEZED OFF OLD PERFORATIONS

Deepening XXX Re-perf. _____ Conv. to Inj/SWD _____
 Plug Back 2,850' PBDT _____
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____

3-11-78 3-14-78 10-1-99
Spud Date Date Reached TD Completion Date

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WICHITA, KANSAS
NOV - 8 1999
RECEIVED

1,320 Feet from SN (circle one) Line of Section

100 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)

Lease Name Zongker Well # 1A

Field Name Hugoton

Producing Formation Hugoton Chase

Elevation: Ground 3,347' KB 3,354'

Total Depth 3,050' PBDT 2,850'

Amount of Surface Pipe Set and Cemented at 345 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 3,039'
feet depth to surface w/ 700 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)
Well was plugged back from Council Grove, no reserve pit was necessary.

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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Signature Arthur P. Childers

Title Engineer Date 11-5-99

Subscribed and sworn to before me this 5 day of Nov, 19 99

Notary Public Becky Grusing

Date Commission Expires 4-17-02

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)

BECKY GRUSING
Notary Public - State of Kansas
My Appt. Expires 4-17-02

Operator Name Osborn Heirs Company

SIDE TWO

Lease Name ZongkerWell # 1ASec. 12 Twp. 21S Rge. 38
 East
 WestCounty Kearny

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 NoCores Taken Yes NoElectric Log Run Yes No
(Submit Copy.)List All E.Logs Run Compensated Acoustic Velocity
Gamma Cailiper Log (previously submitted) Log Formation (Top), Depth and Datum Sample

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CASING RECORD

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<input checked="" type="checkbox"/> Plug Back TD	2,960'	Premium	100	None
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Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record
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2	Council Grove 2,885' to 2,960' squeezed	with 20,000 # 16-30.

TUBING RECORD	Size 2-3/8"	Set At 2,680'	Packer At ---	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 10-6-99	Producing Method Pumping		Flowing Pumping Gas Lift Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. -----	Gas 80	Water Mcf 145	Gas-Oil Ratio Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

 Vented Sold Used on Lease
(If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled 2,624' - 2,632' Other (Specify) _____