

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM

Form ACO-1

September 1999

Form Must Be Typed

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WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: Enron
Operator Contact Person: Vicki Carder
Phone: (620) 629-4200
Contractor: Name: Best Well Service
License: NA
Wellsite Geologist: NA
Designate Type of Completion:
 New Well Re-Entry
 Oil SWD SLOW Temp. Abd.
 X Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: OXY USA, Inc.
Well Name: Farris A-1

API No. 15 - 129-21616-0001
County: Morton
 - NE - SE - SW Sec 22 Twp. 34 S. R. 41W
1261 feet from S N (circle one) Line of Section
2310 feet from E W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Farris A Well #: 1
Field Name:
Producing Formation: Wabunsee
Elevation: Ground: 3428 Kelly Bushing: 3441
Total Depth: 5900 Plug Back Total Depth: 3192
Amount of Surface Pipe Set and Cemented at 1664 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3808
If Alternate II completion, cement circulated from
feet depth to w/ sx cmt.

KCC

FEB 19 2004

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RELEASED

MAR 15 2004

FROM CONFIDENTIAL

Original Comp. Date: 12/06/00 Original Total Depth: 5900
 Deepening X Re-perf. Conv. To Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Enhr.?) Docket No.
10/30/02 11/01/02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

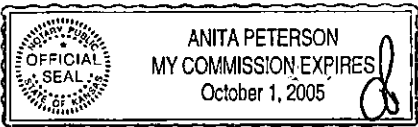
Drilling Fluid Management Plan Workover Ev 3.31.05
(Data must be collected from the Reserve Pit)
Chloride content ppm Fluid volume bbls
Dewatering method used
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter Sec. Twp, S. R. East West
County: Docket No.:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 6702, 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 of 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: Vicki Carder
Title: Capital Project Date February 19, 2003
Subscribed and sworn to before me this 19th day of Feb
20 03
Notary Public: Anita Peterson
Date Commission Expires: Oct. 1, 2005

KCC Office Use Only
 Letter of Confidentiality Attached
If Denied, Yes Date:
NO Wireline Log Received
NO Geologist Report Received
 UIC Distribution



X

JAN 10 100

Side Two

Operator Name: OXY USA Inc. Lease Name: Farris A Well #: 10021
Sec. 22 Twp. 34 S. R. 41W East West County: Morton

Instructions: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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: Tracer Scan

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

RECEIVED
FEB 21 2003
KCC WICHITA

CASING RECORD <input 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
Conductor					C		
Surface					C		
Production					C		

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
6	2956-2960	1000 Gals 15% HCL	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	3046		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
11/01/02	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil BBLs	Gas Mcf	Water Bbls	Gas-Oil Ratio	Gravity
	0	125	18		

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

STATE OF KANSAS - CORPORATION COMMISSION

STABILIZED OPEN FLOW OR DELIVERABILITY TEST

TYPE TEST 1 point		INITIAL X		ANNUAL	SPECIAL	TEST DATE 03/05/01				
COMPANY OXY USA Inc				LEASE Farris A		WELL NO. 1				
COUNTY Morton		LOCATION		SECTION 22	TWP 34S	RNG 41W	ACRES 640.00			
FIELD Greenwood		RESERVOIR Topeka		PIPELINE CONNECTION Oneok						
COMPLETION DATE 01/26/01				PLUG BACK TOTAL DEPTH 4300		PACKER SET AT				
CASING SIZE	WT.	ID	SET AT	PERF.	TO					
5.5	15.50	4.95	5713	3220	3286					
TUBING SIZE	WT.	ID	SET AT	PERF.	TO					
2.375	4.70	1.995	3044							
TYPE COMPLETION (Describe) Single/Gas				TYPE FLUID PRODUCTION Water						
PRODUCING THRU Casing				RESERVOIR TEMPERATURE F 104.00		BAR PRESS - Pa 14.4				
GAS GRAVITY - Gg 0.714		% CARBON DIOXIDE		% NITROGEN		API GRAVITY OF LIQUID				
VERTICAL DEPTH (H) 3253				TYPE METER CONN. Flange		(METER RUN)(PROVER) X				
FLOW DATA				TUBING DATA		CASING DATA				
NO.	ORIFICE SIZE in.	PRESSURE psig	DIFF. (hw) (hd)	FLOWING TEMP t	PRESSURE psig	TEMP ° F	PRESSURE psig	TEMP ° F	DURATION HOURS	
SI							338.00		72.00	
1.00	3x1.00	22.30	4.80				22.70		168.00	
2.00										
3.00										
4.00										
5.00										
RATE OF FLOW CALCULATIONS										
NO.	COEFFICIENT (Fb) (Fp) Mcf/d	EXTENSION (Pm X hw)	PRESSURE psia	FLOWING TEMP. FACTOR Ft	GRAVITY FACTOR Fg	DEVIATION FACTOR Fpv	RATE OF FLOW Q MCFD			
1.00	5722.70	13.27	36.70				76			
2.00										
3.00										
4.00										
5.00										
NO.	Pr	Temp. R	Tr	Z	Pw	(Pw) ²	(Pc)-(Pw) ²	G.O.R.	Mcf/Bbl	
1.00					37.10	1.38	122.81	A.P.I. Gravity	@60 F	
2.00								Gg		
3.00								Gm		
4.00								Per	psia psia	
5.00								Ter	R R	
OPEN FLOW OR DELIVERABILITY CALCULATIONS										
Pc	352.40	(Pc) ²	124.19	Pd	14.40	(Pd) ²	0.21	(Pa) ²	0.21	
(Pc) - (Pa) ²	(Pc) - (Pw) ²	$\frac{Pc - Pa}{Pc - Pw}$	$\frac{Pc - Pa}{Pc - Pw}$	WELLHEAD OPEN FLOW MCFD	(Pc) - (Pd) ²	$\frac{Pc - Pd}{Pc - Pw}$	$\frac{Pc - Pd}{Pc - Pw}$	$\frac{Pc - Pd}{Pc - Pw}$	DELIVERABILITY Mcf/d	
123.98	122.81	1.01	1.01	77	123.98	1.01	1.01	77	Adjusted Deliverability MCF/d	
									77	
WELLHEAD OPEN FLOW				77 Mcfd @ 14.65 psia	SLOPE, n				0.85	
REMARKS:										
APPROVED BY COMMISSION		CONDUCTED BY Tobi Winters			CALCULATED BY Excel Comp			CHECKED BY Jay A. Musc		



Kansas Corporation Commission

Bill Graves, Governor John Wine, Chair Cynthia L. Claus, Commissioner Brian J. Moline, Commissioner

Jay Muse

Oxy, U.S.A., Inc.

P.O. Box 2528

Liberal, KS. 67905-2528

March 20, 2001

RE: **Initial Open Flow Test From Farris "A" #1**

Gas Well; Sec.22-34S-41W: Morton County

Dear Jay:

According to my Greenwood Basic Proration Order, Section 22 of Township 34S-Range 41W isn't part of the Greenwood Field. Such being the case, this Farris gas well falls under the Commission's statewide default rules.

Implications for well-spacing are that Oxy could drill additional Topeka gas wells on this Section if they were of a mind to. There's no requirement for a 640-Acre unit to be constructed.

In so far as testing of this Farris well is concerned, at least one attempt to perform a four-point backpressure test is mandated by the Commission's statewide regulations. If the four-point test is successful, then the resulting angle (or "slope") of the plotted line (or backpressure curve) is utilized in calculating the open flow potential instead of the 0.850 which is standard in the Greenwood calculations for deliverability.

The statewide testing regulations also set a maximum percentage of pressure drawdown for a valid open flow test of 25%. Normally, I allow quite a bit of latitude in the crowding of this maximum or the surpassing of it whenever there's saltwater being recovered with the gas.

Some drawdown percentages have been as high as 65%. But in the case of this Farris "A" well, the drawdown percentage is up to 89.5% !!!!! Is there a pumping unit on the well ????

Can this drawdown be deliberately reduced if the Farris well was to be retested ????

So, it would be preferred by KCC staff that Oxy retest the well to try to obtain a backpressure slope value on the basis of a four-point test rather than utilizing the assumed 0.850. Then we would like to see an open flow retest be conducted, with less percentage drawdown.

If agreed to by Oxy, the new test results should be in my hands by **April 19, 2001**.

If not agreed to by Oxy, then please contact me to explain Oxy's position and the circumstances surrounding the unusually high percentage of pressure drawdown achieved during the already-submitted test. If Oxy agrees to retest, then a copy of a laboratory analysis should accompany the new test results when they are sent.

Don't forget to provide a specific gravity for the gas and to factor into the calculations a correction factor for the measured gravity.

Sincerely,

Jim Hemmen
Research Analyst



Kansas Corporation Commission

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Jay Muse

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Sincerely,

Jim Hemmen
Research Analyst



OXY USA Inc.
1701 N. Kansas, Liberal, KS 67901
P.O. Box 2528, Liberal, KS 67905-2528

March 19, 2001

Mr. Jim Hemmen
Research Analyst
Kansas Corporation Commission
130 S. Market, Room 2078
Wichita, Ks 67202

Re: Farris A-1
Section 22-34S-41W
Morton County, Kansas

Dear Mr. Hemmen,

Please find enclosed a copy of the initial 1pt test for the above named well. Should you have any questions please call me at (620) 629-4229.

Sincerely,

A handwritten signature in black ink, appearing to read "Jay A. Muse".

Jay A. Muse
Gas Business Coordinator

Encls.

RECEIVED
STATE CORPORATION COMMISSION

MAR 20 2001

CONSERVATION DIVISION
Wichita, Kansas