

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5171  
Name TXO Production Corp.  
Address 1800 Lincoln Center Bldg.  
1660 Lincoln Street  
City/State/Zip Denver, Colorado 80264

Purchaser Koch Oil Co.  
Wichita, Kansas

Operator Contact Person Frank D. Tsuru  
Phone (303) 861-4246

Contractor: License # 6033  
Name Murfin Drlg. Co. Inc.

Wellsite Geologist None  
Phone

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OAWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
9/22/86 10/6/86 10/21/86  
Spud Date Date Reached TD Completion Date  
5300' 5260'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 375 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1805' feet  
if alternate 2 completion, cement circulated  
from 1805 feet depth to Surface/350 SX cmt

API NO. 15-199-20,092-00-00

County Wallace

SW NW SE Sec. 32 Twp. 15S Rge. 42 East West

1650 Ft North from Southeast Corner of Section  
2310 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

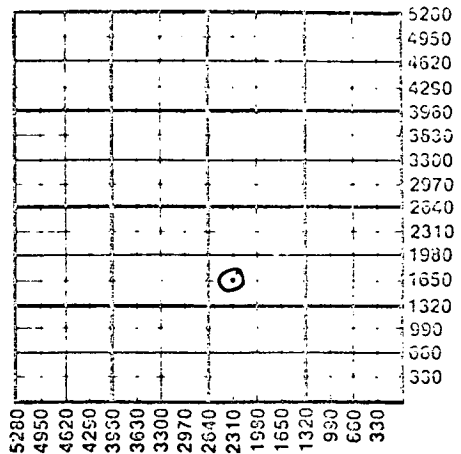
Lease Name Wetig Well # 3

Field Name SW Stockholm

Producing Formation Morrow

Elevation: Ground 3886 KB 3896

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket #  Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water: TRUCKED  
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner  
(Well) Ft West from Southeast Corner of  
Sec Twp Rge East West  
 Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West  
 Other (explain)  
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 Frank D. Tsuru  
Frank D. Tsuru  
Title Drlg. & Production Engineer Date 3/4/87

Subscribed and sworn to before me this 4 day of March 1987  
Notary Public Nada J. Branson  
Date Commission Expires 12/14/90

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)  
STATE CORPORATION COMMISSION

Sec 32 Twp 15S Rge 42E

Operator Name TXO Production Corp. Lease Name Wetig Well # 3  
 Sec. 32 Twp. 15S Rge. 42  East  West County Wallace

WELL LOG

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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Base Stone Corral	2794	
Topeka	3914	
Lansing	4230	
Marmaton	4622	
Ft. Scott	4691	
Cherokee	4744	
Morrow	5026	
L. Morrow LS	5148	

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#	3/5'	lite	180	3% CaCl <sub>2</sub>
Production	7-7/8"	4 1/2"	10.5#	5300'	50-50 poz	200	5% salt

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	5122-26; 5128-34; 5136-38	Natural Completion	

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	5213'	None		

Date of First Production 10/21/86 Producing Method  Flowing  Pumping  Gas Lift  Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	121 Bbls	20 MCF	0 Bbls	0 CFPG	

METHOD OF COMPLETION

Disposition of gas:  Vented  Separated  Used on Lease  
 Open hole  Perforation  
 Other (Specify)

Production Interval  
 5122-26, 5128-34,  
 5136-38

WELL NAME:	Wetig #3	PTD:	5300'
AREA:	SW Stockholm	ELEVATIONS:	3896' KB, 3886' GL
LOCATION:	Sec. 32-T15S-R42W	CONTRACTOR:	Murfin
COUNTY:	Wallace	AFE NUMBER:	852427
STATE:	Kansas	PROPERTY NO:	77280
FOOTAGE:	1650' FSL & 2310' FWL	TXO WI:	37.5%
TXO FIELD OFFICE:	Lamar		

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APCOT-Finadel Joint Venture  
 1601 N.W. Expressway  
 Suite 900  
 Oklahoma City, OK 73118  
 Call Dina Duncan @  
 (405) 840-0671  
 WI: 12.5%  
 Telecopy to (405) 843-9012

Daily Call  
 Weekly Mail

Mobil Oil Corporation  
 P.O. Box 5444  
 Denver, Colorado 80217  
 Call Trisha @ (298-3716)  
 Call Reports into 792-9922  
 ID#662-4599  
 50%

Daily Call  
 Weekly Mail

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09/23/86 375' (375'), WOC. Sh. 8.8, 38. 1/4° @ 165'. 1/2° @ 375'. MI & RU  
 Murfin Rig #23. Spud 12-1/4" hole @ 5:45 PM 9/22/86. Ran 9 jts  
 8-5/8", 23#, L-55, ST&C csg (363.11'). Cmtd w/ 100 sxs of Sun Lite w/  
 3% CaCl<sub>2</sub>. Tail w/ 80 sxs of Cl "G" w/ 3% CaCl<sub>2</sub>. PD @ 12:15 AM. TD  
 12-1/4" hole @ 10:30 PM 9/22/86. DW: 8471. CW: 8471. DD 1.

09/24/86 1920' (1545'), drlg. Sh & sd. Native. 8.8, 27. 1/4° @ 875'. 1/2°  
 @ 1400'. NU BOP. Press tst to 800#. Held for 5 min. All held.  
 Drld plug @ 4 PM 9/23/86. DW: 10,164. CW: 18,635. DD 2.

09/25/86 3125' (1205'), drlg. Sh & lm. Native. 1/16° @ 1950'. 1/2° @ 2450'.  
 3/4° @ 2900'. Anhydrite top @ 2758-2793'. DW: 8016. CW: 26,651.  
 DD 3.

09/26/86 3975' (850'), LC (rec circ @ report time). Lm & sh. Native. 9.4,  
 28. 3/4° @ 3400'. Misrun @ 3900'. 1/2° @ 3900'. DW: 6789. CW:  
 33,440. DD 4.

09/27/86 4440' (465'), drlg. Lm & sh. 9.1, 27. 1/2° @ 3900'. DW: 5756.  
 CW: 39,196. DD 5.

09/28/86 4525' (85'), fishing. Lm & sh. 8.8, 44. Twisted off. POOH. Left  
 14 collars in hole. RIH w/ OS. Got on fish, could not latch fish.  
 Displ hole w/ mud. Tried latching fish. Latched fish, could not  
 pull. (Prepared to spot oil this AM). (All fishing operations &  
 associated costs on Murfin.) DW: 937. CW: 40,133. DD 6.

09/29/86 4525' (0'), TIH w/ wash pipe. 8.7, 48. RU Dialog. Run FP. TOF @  
 4056'. Collars free @ 4065'. 25% @ 4075'. Stuck @ 4090'. Back off  
 fish. Cond hole. TOOH w/ OS. Breakdown OS. TIH w/ bit. Hit bridge  
 @ 2693'. CO bridge. Finish TIH w/ bit. Circ & cond hole. Jet pits  
 mix mud & displ hole. Added 50 BO. Circ & cond hole. TOOH.  
 Strapped pipe. PU 6-1/2" OD wash pipe (256'). DW: 400. CW:  
 40,433. DD 7.

09/30/86 4525' (0'), TOOH w/ wash pipe & part of fish. 8.8, 50, 7.5, 10.  
 Finish RIH w/ washover pipe & DP. Wash over fish to 4217'. Spotted 5  
 BO. RU Dialog & ran FP. Free @ 4215'. @ 4220' had minimum stretch &  
 no torque. Backed off @ 4180'. Fish consisted of 1 jt of DC & 3 jts  
 of DP. DW: 400. CW: 40,833. DD 8.

10/01/86 4525' (0'), RIH to screw into fish. 8.8, 59. POOH & LD 1 jt DP & 3  
 DC's. RIH w/ WP. Washed over fish from 4180-4437'. Spot 5 BO @  
 4437'. POOH. LD WP. Start in hole to attempt to screw into fish w/  
 jars, bumper sub. DW: 400. CW: 41,233. DD 9.

WELL NAME:	Wetig #3	PTD:	5300'
AREA:	SW Stockholm	ELEVATIONS:	3896' KB, 3886' GL
LOCATION:	Sec. 32-T15S-R42W	CONTRACTOR:	Murfin
COUNTY:	Wallace	AFE NUMBER:	852427
STATE:	Kansas	PROPERTY NO:	77280
FOOTAGE:	1650' FSL & 2310' FWL	TXO WI:	37.5%

TXO FIELD OFFICE: Lamar

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- 10/02/86 4525' (0'), TIH to screw into fish. 8.8, 44, 7.6, 9.5. Finish RIH w/ DP bumper sub, jars, & screw into fish. Ran FP. Pipe free @ 4430'. Minimum movement @ 4435'. Stuck @ 4440'. Backed off @ 4398'. TOOH w/ fish. LD 7 DC's. TIH w/ 6 jts (256') of WP. Wash over fish from 4398-4525'. Circ 1 hr. Spot 10 BO. TOOH. LD WP. Start in hole to screw into fish. DW: 400. CW: 41,733. DD 10.
- 10/03/86 4525' (0'), TIH w/ bit. TIH. Attempt to screw into fish. Chain out of hole. No fish recovery. PU overshot w/ 6 $\frac{1}{4}$ " slips. TIH w/ O.S. Wash out bridges @ 1445, 1809 & 2963'. Set OS on fish. Blew pop off on mud pump. Chain out of hole, no fish. Clean sand out of tools. TIH w/ OS. Break circ every 10 stds. Hit bridge @ 2621'. Could not wash bridge out. TOOH w/ OS. LD OS. PU bit. Start in hole with bit to CO bridge. 8.8, 38, 8. DW: 400. CW: 42,133.
- 10/04/86 4610' (85'), drlg. Sh. 8.8, 53, 8, 10. TIH w/ bit. CO bridge @ 2621'. TIH. Circ. TOOH & LD bit. RIH w/ 6-1/4" OS. Latch fish. POOH w/ 4 collars. LD 2 collars. RIH w/ bit. Start drlg @ 3:45 AM. DW: 937. CW: 43,070. DD 12.
- 10/05/86 5165' (555'), drlg. Lm & sh. 9, 52, 9.5, 10. DW: 3908. CW: 46,978. DD 13.
- 10/06/86 5300' (135'), TIH. Lm. 9, 50, 8.4, 10. 1° @ 5300'. TD 7-7/8" hole @ 1:30 PM 10/5/86. Circ. ST. Circ. TOOH. RU Welex. Log hole. TIH to circ & cond hole. DW: 3143. CW: 50,121. DD 14.
- 10/07/86 5300' (0'), RD & MO RT. Circ & cond hole. TOOH. LD DP & DC. PU & RIH w/ 4-1/2" cmt guide shoe (1.10'), 1 jt 4-1/2", 10.5#, K-55, ST&C, Rng 3 Cond-A csg (37.28'), 4-1/2" insert float, 82 jts 4-1/2" csg as above (3456.28'), 4-1/2" Pengo cmt sleeve (3.00'), 43 jts 4-1/2" csg as above (1805.75'). Shoe @ 5300'. Float @ 5261'. Cmt sleeve @ 1805'. Cmt w/ 200 sxs 50/50 poz w/ 5% salt, 3/4% D-65, & 1/4#/sx celloflake. Displ w/ 82.5 bbls 2% KCL wtr. BP to 1500#. Float held. PD @ 8:30 PM 10/6/86. Set slips. Cut off csg. RR @ 9:30 PM 10/6/86. Drop from report until completion begins. DW: 25,971. CW: 76,092. DD 15.
- 10/09/86 5260' PBSD, MI & RU WU. RIH w/ Pengo shifting tool, SSN, 56 jts 2-3/8", 4.7#, J-55, EUE C-B tbg. Latch into cmt sleeve @ 1805'. RU Halco. Open sleeve. Broke circ w/ 34 BW. Mix & pump 350 sxs lite cmt w/ 5% salt & 1/4#/sx flocele. Displ w/ 6.5 BW. Close sleeve & lower tbg to 1840'. Rev circ w/ 18 bbls 2% KCL. Press sleeve to 1000# & held OK. RIH w/ 90 jts tbg. Hung tbg @ 5252'. RU & swab FL to 3500'. Lower tbg & tag PBSD @ 5260'. TOOH w/ tbg. SDFD. DW: 13,939. CW: 90,031.
- 10/10/86 5260' PBSD, RU GO. Run GR-CCL log from 5254' to 4900'. Loggers TD 5255'. RIH & perf w/ 3-1/8" csg gun from 5122-26'; 5128-34'; & 5136-38' w/ 4 JSPF. RIH w/ 4-1/2" Pkr (7.10'), SSN (1.10'), 161 jts 2-3/8" tbg (5070.89'). Set pkr @ 5086'. RU & swab. IFL @ 3500'. Swab 5 hrs. Fl @ 3300'. (Gas cut). Rec 67 BF (8 BW & 59 BO). Last run 98% oil. SWI. SDFD. Avg fluid entry rate @ 12 BPH. DW: 3067. CW: 93,098.
- 10/11/86 5260' PBSD, rel pkr. TOOH. LD pkr. PU & RIH w/ 1 jt 2-3/8" tbg w/ bull plug (32.40'), 2-3/8" perfed sub (3.10'), SSN (1.10'), 3 jts 2-3/8" tbg (92.31'), 4-1/2" TAC w/ 35,000# shear (3.00'), 161 jts 2-3/8" tbg (5070.24'). Btm of MA @ 5213'. Perfed nipple 5180-5177'. SSN @ 5176'. TAC @ 5084' w/ 18,000# strain. RU & repair csg head on 8-5/8" csg. RIH w/ swab. IFL @ 3300'. Swab 1 hr. Rec 24 bbls (17 BW & 7 BO). PU & RIH w/ 2" x 1-1/2" x 18' RWBC Axelson pump w/ 20' gas anchor, 3/4" x 2' pony rod, 56 (3/4") Grade C plain rods. SDFD. DW: 1558. CW: 94,656.

15-199-20092-00-00

WELL NAME: Wetig #3  
AREA: SW Stockholm  
LOCATION: Sec. 32-T15S-R42W  
COUNTY: Wallace  
STATE: Kansas  
FOOTAGE: 1650' FSL & 2310' FWL  
TXO FIELD OFFICE: Lamar

PTD: 5300'  
ELEVATIONS: 3896' KB, 3886' GL  
CONTRACTOR: Murfin  
AFE NUMBER: 852427  
PROPERTY NO: 77280  
TXO WI: 37.5%

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- 10/12/86 5260' PBT, RIH w/ 61 (3/4") Grade C plain rods, 88 (3/4") scraped Grade D rods, 2 (3/4" x 2') pony rods, 1-1/4" x 22' polished rod w/ 1-1/2" x 10' liner. Seat pump. Hang 18' off btm. RR @ 1 PM  
10/11/86: Drop from report until pumping unit is installed. DW: 12,100. CW: 106,756.
- 10/16/86 Started unit @ 1:30 PM 10/15/86. Unit pumping @ 8 SPM in 100" SL. Pump displacement @ 100% efficiency is 209 BFPD. DW: 47,000. CW: 153,756.
- 10/17/86 Pumped 102 BO & 4 BW in 20 hrs. DW: 0. CW: \*145,896. (Sucker rods inadvertently added twice to cumulative well cost.)
- 10/18/86 Pumped 116 BO & 4 BW in 23 hrs.
- 10/19/86 Pumped 154 BO & 0 BW in 24 hrs.
- 10/20/86 Pumped 134 BO & 0 BW in 24 hrs. DW: 0. CW: 145,896.
- 10/21/86 Pumped 121 BO & 0 BW in 24 hrs. IP pumping Morrow oil well @ 133 BOPD & 0 BWP. FINAL REPORT!!! DW: 0. CW: 145,896.

STATE OF KANSAS DEPARTMENT OF REVENUE

10/21/86

GENERAL INVESTIGATIVE DIVISION  
WICHITA, KANSAS