

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.  
City/State/Zip Denver, Colorado 80264

Purchaser Koch Hydrocarbons  
Wichita, Kansas

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

Contractor: License # 6033  
Name Murfin Drlg. Co.

Wellsite Geologist  
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  
1/17/86 1/25/86 2/6/86  
Spud Date Date Reached TD Completion Date  
5250' 5211'  
Total Depth PBTD

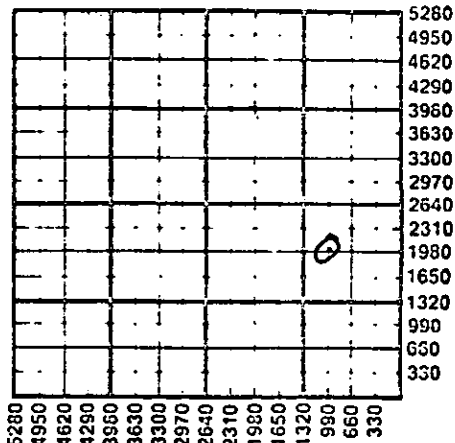
Amount of Surface Pipe Set and Cemented at 379 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1911 feet  
if alternate 2 completion, cement circulated  
from 1911 feet depth to surf w/ 350 SX cmt

API NO. 15-071-20-415-00-00  
County Greeley  
C. W/2 NE SE Soc. 1 Twp 16S Rge 43  East  West

1980' Ft North from Southeast Corner of Section  
990' Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Edsall F. Well # 15  
Field Name SW Stockholm  
Producing Formation Morrow Ss  
Elevation: Ground 3900 KB 3910

Section Plat



WATER SUPPLY INFORMATION  
Disposition of Produced Water:  Disposal  Repressuring  
Docket #

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water:  
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  
Title Drlg. & Production Engineer Date 6/13/86

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)

Subscribed and sworn to before me this 23rd day of October 1986.  
Notary Public Sharon A. Beyrer

Date Commission Expires My Commission expires October 30, 1988

06-23-1986

Sec 1 Twp 16Rge 43W

SIDE TWO

Operator Name TXO Production Corp. Lease Name Edsall Well # F-15

Sec. 1 Twp. 16S Rge. 43  East  West County Greeley

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
Stone Corral	2765	
Topeka	3920	
Lansing	4199	
Marmaton	4628	
Cherokee	4751	
Atoka	4875	
Morrow	5071	
Lower Morrow Sd	5100	
Miss	5208	

CASING RECORD <input checked="" 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
Surface	12 1/4"	8-5/8"	24#	379'	Class C	200	3% CaCl <sub>2</sub>
Production	7-7/8"	4 1/2"	10.5#	5250'	50-50BQZ	250	5% salt

PERFORATION RECORD			Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2	5102-5116	5124-5132	Natural Completion	

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	5208'	None		

Date of First Production 2/6/86 Producing Method  Flowing  Pumping  Gas Lift  Other (explain.....)

Estimated Production Per 24 hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	170 Bbls	0 MCF	0 Bbls	CFPB	

METHOD OF COMPLETION

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

5102-5116 &  
5124-5132

Quality Completed  
 Commingled

WELL NAME:	EDSALL "F" #15	PTD:	5300'
AREA:	S.W. Stockholm	ELEVATIONS:	3910' KB, 3900' GL
LOCATION:	Sec. 1-T16S-R43W	CONTRACTOR:	Murfin (Rig #21)
COUNTY:	Greeley	AFE NUMBER:	861096
STATE:	Kansas	LSE NUMBER:	76251
FOOTAGE:	1980' FSL & 990' FEL	TXO WI:	75%
		AFE \$:	245,000

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APCOT-FINADEL JOINT VENTURE  
 P.O. Box 2159  
 Dallas, Texas 75221  
 Phone No: (214) 750-2400  
 Attn: Houston Welch

Weekly Mail

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- 01/18/86 380' (380'), WOC. Sd & sh. 9, 34. 3/4° @ 380'. MI & RU Murfin Rig #21. Spudded 12-1/4" hole @ 4 PM 1/17/86. TD 12-1/4" hole @ 7:15 PM on 1/17/86. Ran 9 jts 8-5/8", 24#, K-55, ST&C csg (379'). Cmtd w/ 100 sxs of lite w/ 3% CaCl<sub>2</sub>. PD @ 9:30 PM 1/17/86. DW: 9881. DD 1.
- 01/19/86 2165' (1785'), drlg. Sh. 9.1, 28. 1/2° @ 1805'. Drld plug @ 9:30 AM on 1/18/86. Lost circ @ 1450-2018' while drlg. SD to mix mud & resume drlg. DW: 16,830. CW: 26,711. DD 2.
- 01/20/86 3315' (1150'), drlg. Sh. 9.1, 28. Lost circ @ 2386'. DW: 10,992. CW: 37,703. DD 3.
- 01/21/86 3905' (550'), drlg. Sh. Native. Found crack in DP @ 1736'. DW: 5780. CW: 43,483. DD 4.
- 01/22/86 4523' (620'), drlg. Sh. Native. DW: 6717. CW: 50,200. DD 5.
- 01/23/86 4990' (465'), drlg. Sh & lm. 9.3, 36. DW: 7054. CW: 57,254. DD 6.
- 01/24/86 5250' (260'), circ for logs. Lm & sh. 9.4, 41, 7.5, 11.5. No sd in smpls. No drlg brk. Found hole in DP @ 4461' while drlg @ 5060'. TOO H. Replaced bad jt. TD 7-7/8" hole @ 5:30 AM 1/24/86. Circ & cond. DW: 4407. CW: 61,661. DD 7.
- 01/25/86 5250' (0'), prepare to cmt. Mississippian. 9.3, 53, 7.5, 11.5. 1-1/4° @ 5250'. Started logging @ 12:30 PM 1/24/86. Finished logging @ 5 PM 1/24/86. LD DP & DC. RIH w/ 4-1/2" cmt guide shoe (1.10'), 1 jt 4-1/2" OD, 8rd, 11.6#, K-55, LT&C, R-3, C-A csg (33.72'), insert float w/ fillup attachment, 12 jts 4-1/2" OD, 11.6#, K-55, LT&C csg (481.73'), 69 jts 4-1/2" OD, 10.5#, K-55, ST&C csg (2830.28'), 4-1/2" OD Pengo cmtng sleeve (3.10'), 50 jts 4-1/2", 10.5# csg (1908.15'). Shoe @ 5250'. Float @ 5223.26'. Sleeve @ 1911.25'. DW: 34,855. CW: 96,516. DD 8.
- 01/26/86 5250' (0'), RR @ 10:45 AM 1/25/86. DW: 8730. CW: 105,246. DD 9.
- 01/27/86 MO RT. MI CT. CW: 105,246.
- 01/28/86 5223' PBT D, MI & RU CU. RIH w/ 4-1/2" Pengo ST (3.10'), (1) 2-3/8" SSN (1.10'), 68 jts 2-3/8" tbg (1923.13'). Opened cmt'g sleeve @ 1911'. RU Western. Brk circ w/ 10 bbls 2% KCL wtr. Cmtd w/ 350 sxs Pacesetter Lite w/ 5% CaCl<sub>2</sub>, & 1/4#/sx celloflake. Displ w/ 7-1/4 bbls fresh wtr. TIH to 1935'. Rev circ w/ 15 bbls 2% KCL. Press up to 2000#. Held OK. RIH w/ 160 jts 2-3/8" tbg. Set SSN @ 5184'. Swab dn to 3500'. SDFD. DW: 24,068. CW: 129,314.
- 01/29/86 5211' PBT D, POOH & LD ST. RU Wellex. RIH w/ GR-CCL. LTD @ 5211'. Log from 5200' to 4750'. RIH w/ 3-1/8" csg gun. Perf from 5102-5116', 5124-5132', 2 JSPF, 48 holes. RU & RIH w/ (1) 2-3/8", 4.7#, J-55, 8rd, EUE, Cond-A tbg w/ bull plug btm (32.37'), (1) 2-3/8" perf sub (3.10'), (1) 2-3/8" SSN (1.10'), 3 jts 2-3/8" tbg (96.23'), (1) 4-1/2" Baker Mod B TAC w/ 30,000# shear (3.00'), 156 jts 2-3/8" tbg (5161.94'). Set bull plug @ 5208'. Perf sub from 5175.63' to 5172.53'. SSN @ 5171.43'. TAC @ 5075.20' w/ 15,000# straight RIG REGISTRATION COMMISSION  
 RIH w/ swab. IFL @ 3600'. Swab for 1-1/2 hrs. LFL to 4000'. DW: 23 1986  
 5170. CW: 134,384.

NOV

15-07120415-00-00

WELL NAME:	EDSALL "F" #15	PTD:	5300'
AREA:	S.W. Stockholm	ELEVATIONS:	3910' KB, 3900' GL
LOCATION:	Sec. 1-T16S-R43W	CONTRACTOR:	Murfin (Rig #21)
COUNTY:	Greeley	AFE NUMBER:	861096
STATE:	Kansas	LSE NUMBER:	76251
FOOTAGE:	1980' FSL & 990' FEL	TXO WI:	75%
		AFE \$:	245,000

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01/30/86 5211' PBTD, TP 0#, CP 200#. RU & RIH w/ pump & rods as follows: (1) 2" x 1-1/2" x 16' RWBC O'Bannon Pump w/ Lockno plunger w/ 10' gas anchor, (1) 3/4" x 2' plain pony rod, (136) 3/4" x 25' plain rods, (69) 7/8" x 6' scraped pony rod, (1) 7/8" x 4' plain pony rod, 1-1/4" x 22' polish rod w/ 1-1/2" x 10' liner. Seat pump. RR @ 2 PM 1/29/86. Drop from report. Waiting on production equipment. DW: 1880. CW: 136,262.

02/01/86 Started pumping unit @ 12:15 PM 1-31-86.

02/02/86 Well pumped 255 BO & 0 BW in 21 hrs @ 12-3/4 SPM.

02/03/86 Well pumped 216 BO & 0 BW in 26 hrs @ 12-3/4 SPM.

02/04/86 Well pumped 180 BO & 0 BW in 24 hrs @ 12 SPM.

02/05/86 Well pumped 161 BO & 0 BW in 22 1/2 hrs @ 12 SPM.

02/06/86 5211' PBTD, well pumped 177 BO & 0 BW in 25 hrs @ 12 SPM. IP'd Morrow Ss pumping oil well @ 170 BOPD & 0 BWPD. FINAL REPORT!!! DW: 95,000. CW: 231,264.

04/02/86 5211' PBTD, rods damaged by pump unit cratering. MI & RU WU. Unseat pump. Backoff two rods below surface. Rel TAC. LD tap jt tbg. Replace w/ (1) jt Cond-A tbg. Reset TAC w/ 15,000#. RIH w/ (2) rods & add (2) 7/8" pony rods. Seat pump & clamp off. RR @ 11 AM 4/1/86. Changing out PU. Will start pumping in two days.

RECEIVED  
STATE CORPORATION COMMISSION

JUN 23 1986

CONSERVATION DIVISION  
Wichita, Kansas