

AMENDED ACO-1

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

API NO. 15-071-20424-00-00

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

County... Greeley

DESCRIPTION OF WELL AND LEASE

SW... SW... NE... Sec. 1... Twp. 16S... Rge. 43...  East

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

2970'..... Ft North from Southeast Corner of Section  
2310'..... Ft West from Southeast Corner of Section  
(Notes: Logate well in Section 2310' below)

Purchaser: Koch Oil Co.  
P.O. Box 2256  
Wichita, Kansas 67201

Lease Name... Edsall "F"..... Well # 16

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

Field Name... SW Stockholm

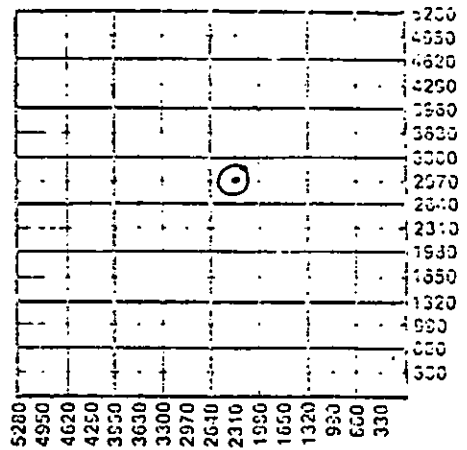
Contractor: License # 6033  
Name Murfin Drilling Co., Inc.

Producing Formation... Morrow

Wellsite Geologist... None  
Phone

Elevation: Ground... 3886'..... KB... 3896'  
Section Plot

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



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

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
...9/14/86... 9/20/86... 10/14/86...  
Spud Date Date Reached TD Completion Date  
..5300'..... ..5239'.....  
Total Depth PBDT

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 293-3717  
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. #)

Amount of Surface Pipe Set and Cemented at 382 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

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 Drilling/Production Engineer Date 12/9/86

Subscribed and sworn to before me this 9 day of Dec 1986  
Notary Public Nada J. Branson  
Date Commission Expires Dec 14, 1990

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC  SWD/Rop  NGPA  
 KGS  Plug  Other  
STATE CORPORATION COMMISSION (Specify)  
MAR 16 1987

Form ACO-1 (7-82)  
Wichita Kansas

03-16-1987

Operator Name ... TXO Production Corp. Lease Name ... Edsall "F" ... No. 16  
Sec. 1 ... Twp. 16S ... Rge. 43 ... East  West  Country ... 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
Base Stone Corral	2801'	
Topeka	3924'	
Lansing	4247'	
Ft. Scott	4711'	
Atoka	4884'	
Morrow	5046'	
Morrow Sand	5130'	
Morrow Limestone	5152'	

RELEASED

1 5 1988

FROM CONFIDENTIAL

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"	8-5/8"	24#	382'	Lite/CIH	285	2% CaCl <sub>2</sub>
Production	7-7/8"	4"	10.5#	5300'	50-50poz	175	5% salt 1#/sx celloflake

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5131-5137	Natural	

TUBING RECORD Size Set At Packer at Liner Run  Yes  No  
2-3/8" 5226' None

Date of First Production 10/14/86 Producing Method  Flowing  Pumping  Gas Lift  Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	42 Bbls	-- MCF	0 Bbls	CFPB	40.0

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Open hole  Perforation  Other (Specify) ... 5131-5137  
 Sold  Used on Lease  
 Quality Completed  Commingled

15-071-20424-20-00

WELL NAME: Edsall "F" #16 PTD: 5300'  
AREA: SW Stockholm ELEVATIONS: 3920' KB & 3910' GL  
LOCATION: Section 1-116S-R43W CONTRACTOR: Murfin  
COUNTY: Greeley AFE NUMBER: 862428  
STATE: Kansas LSE NUMBER: 77041  
FOOTAGE: 2310' FNL & 2310' FEL TXO WI:  
2310' FSL & 2970' FEL

TXO FIELD OFFICE: Lamar AFE\$: 167,000

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Apcot Finadel Joint Venture Daily Call  
1601 N.W. Expressway Weekly Mail  
Suite 900  
Oklahoma City, OK 73118  
Call @ (405) 840-0671  
Attn: Janelle 243-9021

Texaco Inc. Daily Call  
P.O. Box 2100 Weekly Mail  
Denver, CO 80201  
Call Mary Psihountas @  
793-4281

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DEC 15 1988

Texaco Inc. Weekly Mail  
Box 2420  
Tulsa, OK 74102  
Attn: N.E. Morton

FROM CONFIDENTIAL

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09/15/86 382' (382'), WOC. Sh. Native. 1/4° @ 165'. 1/4° @ 382'. MI & RU  
RT. Spud 12-1/4" hole @ 7 PM 9/14/86. TD 12-1/4" hole @ 12:00 AM  
9/15/86. Ran 10 jts, 8-5/8", 23#, LS-55, ST&C csg (382'). Cmtd w/  
100 sxs of Halco Lite w/ 3% CaCl<sub>2</sub>. Tail w/ 75 sxs of Cl "C" w/ 3%  
CaCl<sub>2</sub>. PD @ 2 AM. DW: 8520. CW: 8520. DD 1.

09/16/86 1860' (1478'), TFB #3. Sd & sh. Native. 8.9. 1/2° @ 875'. 1° @  
1400'. 1-1/8° @ 1860'. Test BOP to 850# for 10 min. All held. Drld  
plug @ 2 PM 9/15/86. DW: 10,026. CW: 18,546. DD 2.

09/17/86 3180' (1320'), drlg. Sh & lm. Native. 1/8° @ 2360'. 1/4° @ 2860'.  
Anhydrite top @ 2771-2802'. DW: 9037. CW: 27,583. DD 3.

09/18/86 3805' (625'), drlg. Sh & lm. Native. 9.4, 28. 1/4° @ 3320'. TF  
cracked DC & hole in DC. DW: 5333. CW: 32,916. DD 4.

09/19/86 4495' (690'), drlg. Lm & sh. 9.1, 27. 1° @ 3900'. 3/4° @ 4400'.  
DW: 6122. CW: 39,038. DD 5.

09/20/86 5035' (540'), drlg. Lm & sh. 9, 50, 8.5, 11. 1° @ 4900'. Displ  
hole & pits @ 4800' w/ 900 bbls mud. DW: 4274. CW: 43,312. DD 6.

09/21/86 5300' (265'), WOO. Lm. 9, 54, 8.5, 11. 1° @ 5300'. LC @ 5262' (200  
bbls). TD 7-7/8" hole @ 8:45 PM 9/20/86. Circ. ST. Circ. TOOH.  
Start logging @ 4 AM 9/21/86. Finish logging @ 7 AM. DW: 3111. CW:  
46,423. DD 7.

09/22/86 5300' (0'), RD & MO RT. 9, 49, 9.2, 11.2. WOO. TIH. Circ hole.  
TOOH. LD DP & DC. RIH w/ 4-1/2" guide shoe (1.10'), 1 jt 4-1/2",  
10.5#, K-55, Cond-A csg (35.62'), insert float, 83 jts 4-1/2" csg as  
above (3457.39'), 4-1/2" Pengo cmt sleeve (3.00'), 43 jts 4-1/2" csg  
as above (1810.28'). Set shoe @ 5300'. Float @ 5263.28'. Cmt sleeve  
@ 1805.89'. Cmt w/ 200 sxs 50/50 poz w/ 5% salt 3/4% CFR-2 & 1/4#/ex  
flocela. Displ w/ 83.5 bbls 2% KCL wtr. PD @ 12:45 AM 9/22/86. BP  
w/ 1500#. Float held. Full returns. RR @ 1:30 AM. Drop from  
report until completion begins. DW: 22,236. CW: 68,232. DD 8.

09/25/86 MI & RU WSU. PU & RIH w/ Pengo shifting tool (3.10'), SSN (1.10'), 56  
jts 2-3/8" OD, 8rd, 4.7#, J-55, EUE, 8rd tbg (1832.06'). Opened  
sleeve @ 1806'. RU Dowell. Brk circ w/ 27 BW. Mix & pump 350 sxs  
lite w/ 1/4#/ex celloflake. Displ w/ 6-3/4 bbls 2% KCL. Lowered tbg  
to 1832'. Rev circ w/ 16 bbls 2% KCL. PT csg & sleeve to 1000#.  
Held OK. RD Dowell. RIH w/ 30 jts 2-3/8" tbg. SD due to high winds.  
DW: 16,370. CW: 88,374.

STATE COMMISSION

DEC 16 1988

OPERATIONS DIVISION  
Wichita, Kansas

WELL NAME:	Edsall "F" #16	PTD:	5300'
AREA:	SW Stockholm	ELEVATIONS:	3920' KB & 3910' GL
LOCATION:	Section 1-T16S-R43W	CONTRACTOR:	Murfin
COUNTY:	Greeley	AFE NUMBER:	862428
STATE:	Kansas	LSE NUMBER:	77041
FOOTAGE:	2310' FNL & 2310' FEL 2310' FSL & 2970' FEL	TXO WI:	
TXO FIELD OFFICE:	Lamar	AFE\$:	167,000

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- 09/26/86 5239' PBSD, finish RIH w/ 2-3/8" tbg. Hang tbg @ 5220'. RU tbg swab. Swab FL dn to 3500'. POOH. LD shifting tool. RU Welex. RIH w/ GR-CCL & 3-1/8" csg gun. LTD @ 5239'. Perf 4-1/2" csg from 5131-5137', 4 JSPF, 24 holes. POOH. RD Welex. PU & RIH w/ 4-1/2" Pengo PR-III pkr (7.10'), 2-3/8" SSN (1.10'), 156 jts 2-3/8" OD 8rd, 4.7#, J-55 tbg (5086.34'). Set pkr @ 5100'. RU tbg swab. IFL @ 3400'. Swab for 1 hr. Rec 9 BW. Well KO. Flowing medium mist of oil & wtr. LWOTTON. SDFN. This AM rec 3 BO in 15 hrs. Well still blowing gas & oil. DW: 2523. CW: 90,897.
- 09/27/86 5239' PBSD, flowed to tank for 1-1/2 hrs. Had gas w/ heavy mist o oil. Rel pkr. POOH. LD pkr. RIH w/ 1 jt 2-3/8" OD, EUE, 8rd, J-55, 4.7# tbg (33.00'), 2-3/8" perf tbg sub (3.10'), 2-3/8" SSN (1.10'), 3 jts 2-3/8" tbg (98.06'), 4-1/2" Baker TAC (3.00'), 156 jts 2-3/8" tbg (5078.67'). MA @ 5226'. Sub @ 5193-5181'. SSN @ 5188.80'. TAC @ 5090.74' set w/ 18,000#. RIH w/ swab. FL @ 4200 Swab FL @ 4200'. Swab for 1-1/2 hrs. Rec 17 BW & 1 BO. Well KO. Made 1 run after well KO. No fluid rec. SDFD. DW: 1450. CW: 92,347.
- 09/28/86 Flowed well to tank for 14 hrs. Rec 2-1/2 BO. RIH w/ swab. IFL @ 4800'. Swab for 1/2 hr. LFL to SSN. Made 1 run per hr for 4 hrs pulling 100' of gassy fluid per run. Last 2 hrs fluid rate increased to 2 BOPH. Rec a total of 7-1/2 BO. Blew dn csg. Orifice tester on csg had 8# on 1" orifice. FARO 415 MCFD. RD tbg swab. RIH w/ 2" x 1.5" x 20' RWBC Axelson pump w/ ring valve assembly w/ 22' gas anchor, (1) 3/4" x 2' pony rod, (102) 3/4" x 25' plain rods C-A, (38) 3/4" x 25' scraped rods C-B, (20) 7/8" x 25' scraped rods C-A, (45) 7/8" x 25' scraped rods C-B, (1) 7/8" x 25' scraped rods C-A, (45) 7/8" x 25' scraped rods C-B, (1) 7/8" x 8' pony, (2) 7/8" x 6' pony, 1-1/4" x 22' polished rod w/ 10' liner. Seat pump. Clamped off. RR @ 6:30 PM 9/27/86. Drop from report until production equipment is installed. DW: 6635. CW: 98,982.
- 10/05/86 Install pumping unit & engine. Start up unit @ 1 PM 10/4/86. Running 10 SPM in 86" SL. DW: 35,000. CW: 133,982.
- 10/06/86 Pumped 0 BO & 0 BW in 20 hrs. DW: 0. CW: 133,982.
- 10/07/86 Pumped 144 BO & 0 BW in 24 hrs. DW: 0. CW: 133,982.
- 10/08/86 Pumped 25 BO & 0 BW in 24 hrs. Well flowing intermittently. DW: 0. CW: 133,982.
- 10/09/86 Pumped 43 BO & 0 BW in 24 hrs. DW: 0. CW: 133,982. RELEASED
- 10/10/86 Pumped 47 BO & 0 BW in 24 hrs. DW: 0. CW: 133,982 15 1988
- 10/11/86 Pumped 32 BO & 0 BW in 24 hrs. FROM CONFIDENTIAL
- 10/12/86 Pumped 35 BO & 0 BW in 24 hrs.
- 10/13/86 Pumped 48 BO & 0 BW in 24 hrs. DW: 0. CW: 133,982.
- 10/14/86 Pumped 42 BO & 0 BW in 24 hrs. IP pumping Morrow oil well @ 42 BOPD & 0 BWPD. DW: 0. CW: 133,982. FINAL REPORT!!!