

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 Drilling 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 OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

12/15/85 12/22/85 1/27/86
Spud Date Date Reached TD Completion Date
5260' 5215'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 389 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1995 feet
If alternate 2 completion, cement circulated
from 1995 feet depth to surf w/350 SX cmt

API NO. 15-199-20,068-00-00

County Wallace

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

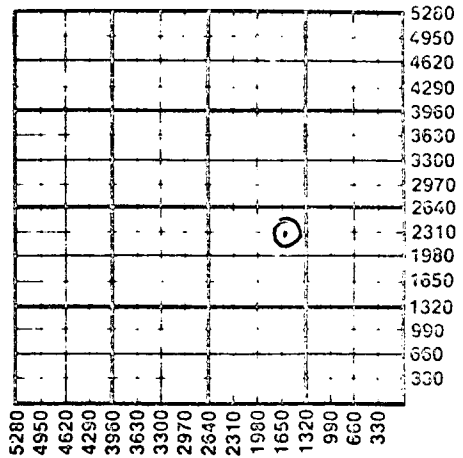
2310 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Wetig Well # 1

Field Name SW Stockholm

Producing Formation Morrow Ss

Elevation: Ground 3885 KB 3895
Section Plat



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

Questions on this portion of the ACO-1 call:
Water Resources Board (915) 295-3717

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 Drig. & Production Engineer Date 6/13/86

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

Date Commission Expires My Commission expires October 10, 1988

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)

See 32 Twp 15 Rge 42

11-03-86

JUN 23 1986
06-23-86
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name TXO Production Corp. Lease Name Wetig Well # 1

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
Stone Corral	2760	
Topeka	3906	
Lansing	4228	
Marmaton	4624	
Cherokee	4747	
Atoka	4871	
Morrow	5035	
Lower Morrow Sd.	5130	
Miss	5228	

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 1/2"	8-5/8"	24#	389'	Class C	200	3% CaCl ₂
Production	7-7/8"	4 1/2"	10.5#	5260'	50-50RQZ	200	5% salt

PERFORATION RECORD
 Shots Per Foot: Specify Footage of Each Interval Perforated
 Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	5130'-5143'		

TUBING RECORD
 Size Set At Packer at Liner Run Yes No

Date of First Production Producing Method
 Flowing Pumping Gas Lift Other (explain.....)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	68 Bbls	0 MCF	144 Bbls		CFPB

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 5130-5143'
 used on lease
 Quality Completed Commingled

15-199-20068-00-00

WELL NAME: Wetig #1
AREA: SW Stockholm
LOCATION: Sec. 32-T15S-R42W
COUNTY: Wallace
STATE: Kansas
FOOTAGE: 2310' FSL & 1650' FEL

PTD: 5300'
ELEVATIONS: 3895' KB, 3885' GL
CONTRACTOR: Murfin
AFE NUMBER: 860533
LSE NUMBER: 77280
TXO WI: 37.5%

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

Weekly Mail

Mobil Oil Corporation
P.O. Box 5444
Denver, Colorado 80217
Attn: Grace E. Hanneman
Phone No: (303) 298-3716

Daily Call
Weekly Mail

12/16/85 390' (390'), WOC. Sh. 9.0, 35. 1/2° @ 390'. MI & RU Murfin Rig #21. Spudded 12-1/4" hole @ 4:15 PM 12/15/85. TD 12-1/4" hole @ 7 PM 12/15/85. RIH w/ 9 jts, 8-5/8", OD, 8rd, 24#, K-55, ST&C, R-3, C-A csg (372.00'). Set @ 389'. Cmtd w/ 100 sxs lite w/ 3% CaCl₂ tailed w/ 100 sxs Cl "H" w/ 2% CaCl₂. Had full returns & cmt circ. PD @ 10 PM 12/15/85. DW: 9832. CW: 9832. DD 1.

12/17/85 2155' (1765'), drlg. Sh & lm. Native. 1° @ 1905'. NU BOP. PT to 1000#. All held. Drld plug @ 10:15 AM 12/16/85. TFB #3. DW: 15,608. CW: 25,440. DD 2.

12/18/85 3300' (1145'), drlg. Sh & lm. Native. DW: 10,407. CW: 35,847. DD 3.

12/19/85 3935' (635'), drlg. Sh & lm. 9.3, 29. DW: 7085. CW: 42,932. DD 4.

12/20/85 4530' (595'), drlg. Sh & lm. 9.1, 31. DW: 7107. CW: 50,039. DD 5.

12/21/85 5010' (480'), drlg. Sh & lm. 9.1, 37. DW: 7704. CW: 57,743. DD 6.

12/22/85 5260' (250'), logging. Lm. 9.2, 54, 8.4, 9.5. 1-1/2° @ 5260'. Had good shows w/ good drlg brk 5-1-3 1/2 MPF. Visible porosity of 15-18% good fluor, cut & live oil stain. TD 7-7/8" hole @ 10:30 PM on 12/21/85. Circ & cond. ST 15 stds. Circ & cond. TOOH. Start logging @ 6 AM on 12/22/85. DW: 4836. CW: 62,579. DD 7.

12/23/85 5260' (0'), MO RT. Mississippian. 9.3, 54, 8.4, 9.5. Finished logging @ 12 PM 12/22/85. RIH w/ DP & DC to LD. RIH w/ 4-1/2" OD cmt guide shoe (1.10'), (1) jt 4-1/2", 10.5#, K-55, ST&C, R-3, C-A csg (35.12'), insert float w/ fillup attachment, 78 jts 4-1/2" csg (3228.52'), 4-1/2" Pengo cmt sleeve (3.10'), 58 jts 4-1/2" csg (1992.35'). Shoe @ 5260'. Float @ 5224.78'. Sleeve @ 1995.26'. Cmtd w/ 200 sxs 50/50 poz, 5% salt, 3/4% D-65, & 1/4#/sx celloflake. Displ w/ 83 bbls 2% KCl. BP to 1500#. Float held. Returns full. PD @ 4:30 AM 12/23/85. RR @ 5 AM 12/23/85. DW: 42,252. CW: 104,831. DD 8.

12/27/85 Dig out cellar. Set 10' culvert 7' deep. Fill in around cellar & pack dn. Weld in runners. MI & RU CT. Unload & tally tbg. SDFD. DW: 20,090. CW: 124,921.

12/28/85 5215' PBTD, RIH w/ 4-1/2" Pengo shifting tool (3.50'), 2-3/8" SSN (1.10'), & 61 jts 2-3/8", 4.7#, J-55 tbg (2007.76'). RU Halco. Open cmt sleeve @ 1995'. Brk circ w/ 50 bbls wtr. Mix & pump 350 sxs Halco lite w/ 1/4#/sx celloflake. Displ w/ 7-3/4 bbls 2% KCl wtr. Close sleeve. Lower tbg to 2020'. Reverse circ w/ 18 bbls 2% KCl.

STATE CORPORATION COMMISSION

JUN 25 1985

CONSERVATION DIVISION
Wichita, Kansas

15-199-20068-00-00

WELL NAME:	Wetig #1	PTD:	5300'
AREA:	SW Stockholm	ELEVATIONS:	3895' KB, 3885' GL
LOCATION:	Sec. 32-T15S-R42W	CONTRACTOR:	Murfin
COUNTY:	Wallace	AFE NUMBER:	860533
STATE:	Kansas	LSE NUMBER:	77280
FOOTAGE:	2310' FSL & 1650' FEL	TXO WI:	37.5%

12/28/85 Press sleeve to 1000#. Held for 5 min OK. TIH w/ 197 jts 2-3/8" tbg (3208'). Tag btm @ 5215'. Hung tbg @ 5200'. Swab FL to 3500'. POOH w/ tbg. LD ST. RU Gearhart. Ran GR-CCL log from 5213-4200'. LTD @ 5215'. Perf 4-1/2" csg w/ 3-1/8" VML csg gun from 5330-5143' 2 JSPF (28 holes). RD Gearhart. RIH w/ 8 stds tbg. SWI. SDFD. DW: 10,606. CW: 135,527.

12/29/85 5215' PBTD, RIH w/ 1 jt 2-3/8", 4.7#, J-55, EUE, R-2, Cond-A tbg w/ bull plug btm (33.50'), (1) 2-3/8" perf tbg sub (3.10'), (1) 2-3/8" SSN (1.10'), 3 jts 2-3/8" tbg (98.18'), (1) 4-1/2" Baker Mod-B TAC w/ 30,000# shear (3.10'), 153 jts 2-3/8" tbg (5035.40'). Btm mud anchor landed @ 5192'. Perf sub @ 5158.51-5155.41'. SSN @ 5154.31'. TAC @ 5052.39' w/ 18,000# tension. RU & RIH w/ swab. FL @ 2800'. Swab for 7 hrs. LFL to 3600'. Rec 125 bbls total fluid (114 BW & 11 BO). Last run, oil cut 9%. SWI. SDFD. Water Analysis: Sp Gr of 1.040, Ph 6, Cl 35,763 ppm, Ca 2070 ppm, Mg 828 ppm, Sulphates heavy, Iron mod, Rw .14 OHM @ 60°F. DW: 2060. CW: 137,587.

12/30/85 SDFS.

12/31/85 5215' PBTD, ran swab. IFL @ 3100'. Swab for 4 hrs. LFL to 3500'. Rec 84 bbls total fluid (80 BW & 4 BO). Last run, 5% oil. RIH w/ 2" x 1-1/2" x 16' RWBC Axelson pump w/ 10' gas anchor, (1) 3/4" x 2' plain pony rod, (138) 3/4" x 25' plain Grade "C" rods, (66) 3/4" x 25' scraped Grade "D" rods, (1) 3/4" x 8' scraped pony rod, (1) 3/4" x 4' scraped pony rod, (1) 1-1/4" x 22' polish rod w/ 10' liner. Seat pump & clamp off. RR @ 4:30 PM 12/30/85. NU WH. Drop from report until production equipment is installed. DW: 2160. CW: 139,747.

01/04/86 Started unit @ 1 PM 1/4/86.

01/05/86 Pumped 95 BW & 3 BO in 18 hrs.

01/06/86 Pumped 167 BW & 0 BO in 25 hrs @ 10 SPM.

01/07/86 Pumped 0 BO & 82 BW in 20-1/2 hrs @ 8 SPM.

01/08/86 Pumped 0 BO & 82 BW in 24 hrs @ 8 SPM.

01/09/86 Rec 0 BO & 82 BW in 16-1/2 hrs @ 8 SPM. Dn to work on WH for 3 hrs. On for 4-1/2 hrs. FL was @ 2500'. Will shoot new fluid level in the AM.

01/10/86 Pumped 7 BO & 135 BW in 21 1/2 hr @ 10 1/2 SPM. FL was a 2835'. Speeded pumping unit up to 14 SPM.

01/11/86 Pumped 0 BO & 195 BW in 24 hrs @ 10 SPM.

01/12/86 Pumped 7 BO & 196 BW in 24 hrs @ 11-3/4 SPM.

01/13/86 Pumped 10 BO & 221 BW in 23-1/2 hrs @ 12 SPM.

01/14/86 Pumped 42 BO & 245 BW in 25 hrs @ 12 SPM. WFL @ 2898'. (Will have wtr analysis today.)

01/15/86 Pumped 30 BO & 225 BW in 25 hrs. WFL @ 2563'.

01/16/86 Pumped 36 BO & 185 BW in 25 hrs @ 13 SPM. WFL @ 2600'. Sp Gr: 1.049. Rw = .11 @ 70°F. pH 7. Cl- 36,870. Ca+ 2070. Mg++ 0. Su heavy. Fe heavy.

01/17/86 Pumped 36 BO & 149 BW in 22 hrs - 24 hr equilant gauge 40' BO & 163 BW. (86% pump efficiency.)

JUN 25 1986

CONSERVATION DIVISION
Wichita, Kansas

15-199-20068-00-00

WELL NAME: Wetig #1
AREA: SW Stockholm
LOCATION: Sec. 32-T15S-R42W
COUNTY: Wallace
STATE: Kansas
FOOTAGE: 2310' FSL & 1650' FEL

PTD: 5300'
ELEVATIONS: 3895' KB, 3885' GL
CONTRACTOR: Murfin
AFE NUMBER: 860533
LSE NUMBER: 77280
TXO WI: 37.5%

- 01/18/86 Pumped 48 BO & 92 BW in 23 hrs. FL @ 2587'.
- 01/19/86 Pumped 72 BO & 166 BW in 24 hrs @ 15 SPM. FL @ 2797'.
- 01/20/86 Pumped 19 BO & 67 BW in 10 hrs. Dn on overspeed.
- 01/21/86 Pumped 76 BO & 157 BW in 23 hrs @ 14-1/2 SPM. WFL @ 2751'.
- 01/22/86 Pumped 68 BO & 144 BW in 24 hrs @ 14 SPM (90% pump efficiency). WFL @ 2731'. Drop from report until rate stabilizes.
- 01/27/86 IP'd Morrow SS pumping oil well @ 90 BOPD & 120 BWPD. FINAL REPORT!!!
- 02/23/86 PBTD 5215', MI & RU WSU. Unseat pump & POOH w/ rods. LD pump. RIH w/ (1) 2" x 1-1/2" x 16' RWBC Axelson pump w/ 10' gas anchor, (1) 3/4" x 2' plain pony rod, (138) 3/4" x 25' plain rods, (66) 3/4" x 25' scraped rods, (1) 3/4" x 8' plain pony rod, (1) 3/4" x 4' plain pony rod, (1) 1-1/4" x 22' polish rod w/ 1-1/2" x 10' liner. Seat pump. Hang on unit @ 11:45 AM on 2/22/86. RR @ 12 on 2/22/86. Well pumped up @ 12:45 PM. Old pump corroded badly. FINAL REPORT!!!

RECEIVED
STATE CORPORATION COMMISSION
JUN 23 1986
CONSERVATION DIVISION
Wichita, Kansas