

TIGHT HOLE

SIDE ONE

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
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 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 ONWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

- Mud Rotary Air Rotary Cable

6/1/86 6/9/86 7/1/86
Spud Date Date Reached TD Completion Date

5300' 5262'
Total Depth PSTD

Amount of Surface Pipe Set and Cemented at 370 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2819 feet
If alternate 2 completion, cement circulated from 2819 feet depth to surface 350 SX cmt

API NO. 15-199-20,087-00-00

County Wallace

C. E/2 W/2 SE/4 Sec. 32 Twp. 15S Rge. 42 East West

1300 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section
(Note: Locate well in section plot below)

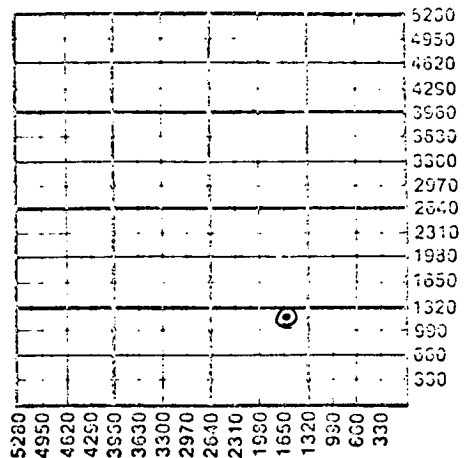
Lease Name Wetig well # 2

Field Name SW Stockholm

Producing Formation Morrow

Elevation: Ground 3880' KB 3890'

Section Plot



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 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 Drlg. & Production Engineer Date 7/2/86

Subscribed and sworn to before me this 2 day of July 1986.

Notary Public Nada J. Branson

Date Commission Expires Dec 14, 1986

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Drillers Timelog Received

Distribution

KCC SWD/Rep NPGA

KGS Plug Other (Specify)

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STATE CORPORATION COMMISSION

07-09-86 JUL - 9 1986

Sec 33 Imp 15 Rge 42

Operator Name TXO Production Corp. Lease Name Wetig Well # 2

Sec. 32 Twp. 15S Rge. 42 East West Country 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 [X] No
Samples Sent to Geological Survey [] Yes [X] No
Cores Taken [] Yes [X] No

Formation Description
[X] Log [] Sample

Table with 3 columns: Name, Top, Bottom. Rows include Stone Corral (2762), Topeka (3905), Lansing (4223), Cherokee (4747), Atoka (4860), Morrow (5020), L. Morrow Sd (5102), Mississippi (5175).

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CASING RECORD table with columns: 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. Includes Surface and Production rows.

PERFORATION RECORD table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth. Includes 2 shots at 5114-5122 & 5125-5136.

TUBING RECORD table with columns: Size, Set At, Packer at, Liner Run. Includes 2-3/8" size, set at 5234', packer at None.

Date of First Production 7/1/86 Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other

Production data table with columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Includes 213 Bbls Oil, 0 MCF Gas, 0 Bbls Water, 40.0 API Gravity.

METHOD OF COMPLETION Production Interval
Disposition of gas: [] Vented [] Open Hole [X] Perforation [] Solid [] Other (Specify) [X] used on lease
[] Daily Completed [] Commingled

15-199-20087-00-00

WELL NAME:	Wetig #2	PTD:	5300'
AREA:	SW Stockholm	ELEVATIONS:	3890'KB, 3880' GL
LOCATION:	Section 32, T15S-R42W	CONTRACTOR:	Murfin Rig #23
COUNTY:	Wallace	AFE NUMBER:	860514
STATE:	Kansas	LSE NUMBER:	77280
FOOTAGE:	1300' FSL & 1650' FEL	TXO WI:	37.5%
TXO FIELD OFFICE:	Lamar	AFE\$:	161,000

FINA OIL & CHEMICAL COMPANY OF TEXAS
 1601 N.W. Expressway
 Suite 900
 Oklahoma City, Oklahoma 73118
 Attn: Mr. Neil Smoak,
 District Manager
 (405) 840-0671
 WI: 12.5%

Call Daily (Dina Duncan)
 Mail Weekly

CONFIDENTIAL

MOBIL OIL CORPORATION
 P.O. Box 5444
 Denver, Colorado 80217
 Attention: Grace E. Hanneman
 (303) 298-3716

Call Daily
 Mail Weekly

JUL 0 1986

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KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

FROM CONFIDENTIAL

- 06/02/86 370' (370'), WOC. Sh. MIRU Murfin Rig #23. Spud 12 1/4" hole @ 3:45 PM 6/1/86. TD 12 1/4" hole @ 10:45 PM 6/1/86. Run 9 jts 8-5/8", 24#, K-55, ST&C csg (360.43'). Shoe @ 370'. Cmt w/ 100 sxs lite w/ 3% CaCl₂. Tail w/ 75 sxs of Class "C" w/ 3% CaCl₂. Cmt circ. Full returns. 9.1, 35. 1/4° @ 150', 1/2° @ 313', 1/4° @ 370'. DW: 9,030. CW: 9,030. DD 1.
- 06/03/86 1818' (1448'), TFB #3. Sh. Native. NU BOP. PT BOP to 1000 psi. All held. Drld plug @ 2 PM 6/2/86. 1/8° @ 712', 1/2° @ 1242', misrun @ 1818'. DW: 13,490. CW: 22,520. DD 2.
- 06/04/86 3045' (1227'), drlg. Lm/sh. Native. Anhydrite top @ 2762' base @ 2793'. 1 1/4° @ 1780', 1/2° @ 2270', 1° @ 2795'. DW: 9442. CW: 31,962. DD 3.
- 06/05/86 3680' (635'), T.P. cracked drill collar. Sh/lm. Native. Lost pump pressure. TOOH. LD 1 cracked collar. TIH. Resume drilling. 1-3/4° @ 3316'. DW: 5944. CW: 37,906. DD 4.
- 06/06/86 4195' (515'), drlg. Lm/sh. Native. 1-1/4° @ 3814'. DW: 5919. CW: 43,825. DD 5.
- 06/07/86 4705' (510'), drlg. Lm & sh. Native. 1-1/8° @ 4319'. DW: 5509. CW: 49,334. DD 6.
- 06/08/86 4980' (275'), drlg. Lm & sh. 8.9, 44, 9.2, 10.5. Misrun @ 4790'. 1-1/4° @ 4790'. Displ hole & fill pits w/ 1050 bbls. DW: 3719. CW: 53,053. DD 7.
- 06/09/86 5300' (320'), circ for ST. Lm. 9, 45, 9.6, 10.5. TD 7-7/8" hole @ 5:45 AM 6/9/86. Circ & cond hole. DW: 3377. CW: 56,430. DD 8.
- 06/10/86 5300' (0'), logging. 9, 49, 8.8, 11. 1/4° @ 5300'. POOH. RU Schlumberger. RIH w/ logging tool. Stopped @ 2597'. POOH. LD logging tool. RIH. Hit bridge @ 2400' & 2600'. Went to btm. Had 3' of fill. Chain out of hole. RU Schlumberger. RIH w/ tool. Hit bridge @ 2604'. Could not spud thru. POOH. LD logging tool. RIH. CO bridge @ 2400' & 2600'. RIH w/ pipe to 2800'. Chain out of hole. RIH w/ logging tool. Started logging @ 2:30 AM 6/10/86. DW: 3818. CW: 60,248. DD 9.
- 06/11/86 5300' (0'), RD. Finished logging @ 9:30 AM 6/10/86. Circ & cond hole. POOH. LD DP & DC. Ran csg & cmt as follows: 4-1/2" guide shoe (1.10'), 1 jt 4-1/2" OD, 8rd, 10.5#, K-55, ST&C, R-3, C-A csg (36.75'), insert float w/ fillup attachment, 59 jts 4-1/2" csg (2512.69'), Pengo cmt'g sleeve (3.10'), 68 jts 4-1/2" csg (2842.16'). Cmt'd w/ 200 sxs 50/50 poz w/ 5% salt, 3/4% D-85, & 1/4#/sx celloflake. Displ w/ 83-1/2 bbls 2% KCL. PD @ 1 AM 6/11/86. BP to 1500#. Set slips. RR @ 2 AM 6/11/86. DW: 28,584. CW: 88,832. DD 10.

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CONSERVATION DIVISION
Wichita, Kansas

WELL NAME:	Wetig #2	PTD:	5300'
AREA:	SW Stockholm	ELEVATIONS:	3890'KB, 3880' GL
LOCATION:	Section 32, T15S-R42W	CONTRACTOR:	Murfin Rig #23
COUNTY:	Wallace	AFE NUMBER:	860514
STATE:	Kansas	LSE NUMBER:	77280
FOOTAGE:	1300' FSL & 1650' FEL	TXO WI:	37.5%
TXO FIELD OFFICE:	Lamar	AFE\$:	161,000

06/12/86 Will start completion today.

CONFIDENTIAL

06/13/86 5262' PBTB, MI & RU WSU. RIH w/ 4-1/2" Pengo shifting tool (4.10'), SSN (1.10'), 93 jts 2-3/8" tbg (2834.69'), opened sleeve 2820'. Brk circ w/ 27 bbls wtr. Mix & pump 350 sxs lite cmt. Displ w/ 10-1/2 bbls wtr. Closed sleeve. Lowered tbg to 2845'. Reverse circ w/ 17 bbls wtr. PT csg to 1000#, held for 10 min. RIH w/ tbg to 5238'. Swab FL to 3800'. SDFD. DW: 15,115. CW: 105,147.

06/14/86 5256' PBTB, POOH w/ tbg & LD shifting tool. RU Gearhart. Run GR-CCL from 5255' to 4200'. Loggers TD @ 5256'. Perf w/ 3-1/8" DML csg gun from 5114-5122 (18 holes) & 5125-5136' (24 holes). RIH w/ 4-1/2" Pengo pkr (6.10'), SSN (1.10'), 163 jts 2-3/8", 4.7#, J-55, EUE tbg (5025.45'). Set pkr @ 5034'. RIH w/ swab. FL @ 3000'. Swab 5 hrs. Lowered FL to 3500'. Fluid 95% oil & HGC. Rec 57 BF (50 BO & 7 BW). Avg 10 BPH. SDFD. DW: 3220. CW: 108,367.

06/15/86 5256' PBTB, rel pkr & POOH w/ tbg. PU & RIH w/ 1 jt 2-3/8", 4.7#, J-55, EUE tbg w/ bullplug (31.02'), perfed 2-3/8" sub (3.10'), SSN (1.10'), 4 jts 2-3/8" tbg (119.02'), 4-1/2" x 2-3/8" Baker Model B TAC w/ 35,000# shear (3.10'), 164 jts 2-3/8" tbg (5067.64'). Bullplug @ 5234'. Perfed nipple @ 5202.98-5199.88'. SSN @ 5198.78'. TAC @ 5076.66' w/ 18,000# tension. PU & RIH w/ 2" x 1-1/2" x 20' RWBC Axelson pump w/ ring valve & 25' gas anchor, 2' x 3/4" pony, 139 (3/4") rods, 68 (7/8") scraped rods, 6' x 7/8" pony scraped, 3' x 7/8" pony scraped, 1-1/4" x 22' polished rod w/ 1-1/2" x 12' liner. Seat pump & clamp off @ 3 PM 6/14/86. RR @ 3 PM. Drop from report until production facilities are set. DW: 7925. CW: 116,292.

06/21/86 Started pumping unit @ 4 PM 6/20/86. Well pumped up @ 4:30 PM 6/20/86.

06/22/86 Pumped 64 BO & 12 BW in 5 hrs (estimated). Engine down.

06/23/86 Pumped 370 BO & 0 BW in 24 hrs. DW: 50,000. CW: 168,435

06/24/86 Well produced 8 BO & 1 BW in 1 hr @ 11-1/2 SPM. No storage. Back on.

06/25/86 Well pumped 213 BO & 0 BW in 20 hrs @ 13 SPM. DW: 0. CW: 168,435.

06/26/86 Well pumped 234 BO & 0 BW in 24 hrs @ 13 SPM. DW: 0. CW: 168,435.

06/27/86 Pumped 162 BO & 0 BW in 23-1/2 hrs @ 13 SPM. DW: 0. CW: 168,435.

06/28/86 Pumped 235 BO & 0 BW in 25 hrs @ 13 SPM.

06/29/86 Pumped 174 BO & 0 BW in 23 hrs @ 13 SPM.

06/30/86 Pumped 233 BO & 0 BW in 25-1/2 hrs @ 13 SPM. CW: 168,435.

07/01/86 Well pumped 201 BO & 0 BW in 23-1/2 hrs @ 13 SPM. IP pumping Morrow oil well @ 213 BO & 0 BWPD. FINAL REPORT!!! CW: 168,435.

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 CONSERVATION DIVISION
 Wichita, Kansas