

TIGHT HOLE

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

API NO. 15-199-20,100-00-00

WELL COMPLETION OR RECOMPLETION FORM
ACC-1 WELL HISTORY

County Wallace

DESCRIPTION OF WELL AND LEASE

NE SW Sec. 29 Twp. 15S Rge. 42

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

2560* Ft North from Southeast Corner of Section
3880 Ft West from Southeast Corner of Section
(Note: Locate well in Section grid below)

Purchaser The Permian Corp.
P.O. Box 1183
Houston, Texas 77001

Lease Name Wallace

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

Field Name Stockholm SW

Producing Formation MORROW

Contractor License # 6033
Name Murfin Drilg. Co.

Elevation: Ground 3874 KB 3884

*Please note Section Plat

the location is
not exactly
on a 1/4, 1/4, 1/4
point

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|
| | | | | | | | | | | 5200 | | | | |
| | | | | | | | | | | 4550 | | | | |
| | | | | | | | | | | 4620 | | | | |
| | | | | | | | | | | 4250 | | | | |
| | | | | | | | | | | 3550 | | | | |
| | | | | | | | | | | 3850 | | | | |
| | | | | | | | | | | 3300 | | | | |
| | | | | | | | | | | 2570 | | | | |
| | | | | | | | | | | 2040 | | | | |
| | | | | | | | | | | 2310 | | | | |
| | | | | | | | | | | 1880 | | | | |
| | | | | | | | | | | 1650 | | | | |
| | | | | | | | | | | 1320 | | | | |
| | | | | | | | | | | 990 | | | | |
| | | | | | | | | | | 660 | | | | |
| | | | | | | | | | | 330 | | | | |
| 5200 | 4950 | 4620 | 4250 | 3850 | 3300 | 2970 | 2640 | 2310 | 1980 | 1650 | 1320 | 990 | 660 | 330 |

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

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Reinjecting

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

3/6/87... 3/13/87... 4/22/87...
Spud Date Date Reached TD Completion Date
5260' 5220'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 421 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1760 feet
if alternate 2 completion, cement circulated
from 1760 feet depth to surface 350 SX cmt

Questions on this portion of the ACC-1 call:
Water Resources Board (913) 295-3717

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.O. #)

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 Drilling & Production Engineer Date 4/23/87

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timology Received
Distribution
 KCC SWD/Rap R/GPA
 KGS Plug Other
(Specify)

Subscribed and sworn to before me this 23 day of April 1987.
Notary Public Nada J. Branson
Date Commission Expires 12/14/90

RECEIVED
STATE CORPORATION COMMISSION

APR 29 1987
04-29-87 Form ACC-1 (7-84)
CONSERVATION DIVISION
Wichita, Kansas

Sec 29 Twp 15 Rge 42 W

WELL LOG

15-199-20100-05-60

SIDE TWO

Operator Name TXO Production Corp. Wallace "R"

Sec. 29 Twp. 15S Rge. 42W East West County Wallace

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Drill all cores. Report all well stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, surface shut-in pressure and/or static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if core 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 Stn Corral | 2791 | |
| Topeka | 3899 | |
| Lansing | 4220 | |
| Marmaton | 4613 | |
| Morrow | 5017 | |
| Morrow Ss | 5105 | |
| L. Morrow Lm | 5138 | |

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MAY 09 1988

FROM CONFIDENTIAL

| 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# | 421' | Lite | 200 | 3% CaCl ₂ |
| Production | 7-7/8" | 4 1/2" | 10.5# | 5260' | 50-50 poz | 200 | 5% salt |

| PERFORATION RECORD | | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|--------------------|---|--|-------|
| Shots Per Foot | Specify Footage of Each Interval Perforated | | |
| 2 | 5107-5122 | Broke down formation w/ 36 lbs. lease water. | |

| TUBING RECORD | Size | Set At | Packer at | Inner Run | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---------------|--------|--------|-----------|-----------|---|
| | 2-3/8" | 5210 | None | | |

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

| Estimated Production Per 24 hours | Oil | Gas | Water | Gas-Oil Ratio | Gravity |
|-----------------------------------|----------|-----|--------|---------------|---------|
| | 194 Bbls | MCF | 0 Bbls | | CFPB |

METHOD OF COMPLETION

Disposition of gas: Ventured Spun hole Perforation
 Sold Other (Specify) _____ 5107
 Burned on Lease Fully Completed 5122
 Corroding

15-199-20100-00-00

| | | | |
|------------|----------------------|-------------|--------------------|
| WELL NAME: | WALLACE "R" #1 | PTD: | 5300' |
| AREA: | Stockholm | ELEVATIONS: | 3884' KB, 3874' GL |
| LOCATION: | Sec. 29-T15S-R42W | CONTRACTOR: | M. . . |
| COUNTY: | Wallace | AFE NUMBER: | 862830 |
| STATE: | Kansas | LSE NUMBER: | 78487 |
| FOOTAGE: | 1400' FWL, 1560' FSL | TXO WI: | 75% |

APCOT-FINADEL JOINT VENTURE
 1601 N.W. Expressway
 Suite 900
 Oklahoma City, OK 73118
 Attention: Dina Duncan
 Telecopy report to
 (405) 843-9012

Daily Telecopy
 Weekly Mail

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- 03/07/87 421' (421'), WOC. Sh. 8.8, 31. 1/2° @ 421'. MI & RU Murfin Rig #24. Spud @ 6:00 PM 3/6/87. TD 12-1/4" hole @ 12:30 AM. Circ. TOOH. RIH w/ 4 jts 8-5/8", 24#, J-55, ST&C csg & 6 jts 8-5/8", 25#, K-55, ST&C csg (409.69'). Cmtd w/ 200 sxs 60/40 poz w/ 3% CaCl₂ & 2% gel. PD @ 2:30 AM. Cmt circ. Shoe @ 421'. WOC. DW: 7892. CW: 7892. DD 1.
- 03/08/87 2080' (1659'), drlg. Sd & sh. 3.8, 29. 1° @ 1002'. 3/4° @ 1941'. Test BOP @ 12:00 noon to 1000#. All held. Drl shoe @ 2:30 PM. LC @ 1450' (30 bbls). DW: 11,415. CW: 19,307. DD 2.
- 03/09/87 3330' (1250'), drlg. Lm & sh. 8.9, 28. DW: 8988. CW: 28,295. DD 3.
- 03/10/87 3930' (600'), drlg. Lm & sh. 8.9, 30. LC @ 3646' (50 bbls). DW: 5180. CW: 33,475. DD 4.
- 03/11/87 4650' (720'), drlg. Lm & sh. 9.2, 29. DW: 7594. CW: 41,069. DD 5.
- 03/12/87 5140' (490'), drlg. Lm & sh. 9, 54. Displ hole w/ premix @ 4745' w/ 1000 bbls of mud. Good drlg brk from 5105-5135'. Had good shows through internal w/ bright blue green-yellow fluor w/ immediate streaming cut. DW: 4549. CW: 45,618. DD 6.
- 03/13/87 5260' (120'), logging - sonic. Mississippian. 9.2, 55, 7.6, 10.5. 1° @ 5260'. TD 7-7/8" hole @ 1:15 PM 3/12/87. RU Welex. Started logging @ 8:30 PM 3/12/87. On first run, short guard on DIL out. Ran logs again. Hit bridge @ 2560'. RIH w/ bit to 2800'. Circ for 1/2 hr. POOH. Ran tool, ran OK. Started sonic log. DW: 1541. CW: 47,159. DD 7.
- 03/14/87 5260' (0'), RD & MORT. 9.1, 50, 8, 10.5. Finished logging @ 5:00 PM 3/13/87. RD Welex. RIH w/ DP. POOH & LD DP. RIH w/ 4-1/2" cmt guide sleeve (1.10'), 4-1/2" OD 8rd, 10.50, K-55, ST&C, R-3, C-A csg (35.38'), insert float, 82 jts 4-1/2" csg as above (3464.47'), Pengo cementing sleeve (3.10'), 42 jts 4-1/2" OD csg as above (1763.98'). Shoe @ 5263', float @ 5226.52', sleeve @ 1758.98'. Cmtd w/ 200 sxs 50/50 poz mix w/ 5% salt, 3/4% CFR-2, 1/4#/sx flocele. Displ w/ 83-1/2 bbls 2% KCL water. Full returns. PD @ 7:00 AM 3/14/87. Float held. RR @ 7:00 AM 3/14/87. Drop from report until completion begins. DW: 39,717. CW: 86,876. DD 8.
- 03/26/87 5260' PBSD, MI & RU WU. Unload 2-3/8", 4.7#, J-55, EUE tbg. PU & RIH w/ 4-1/2" shifting tool (3.10'), SSN (1.10'), 54 jts 2-3/8" tbg (1769.37'). SDFD. Unable to get pump truck. DW: 17,128. CW: 104,004.
- 03/27/85 5220' PBSD, RU Halco. Open omt sleeve. Brk circ w/ 36 BW. Mix & pump 350 sxs Halco lite cmt w/ 1/4#/sx celloflake. Cmt circ w/ 345 sxs mixed. Displ w/ 6.5 BW. Close sleeve & lower tbg 1 jt. Reverse circ w/ 10 bbls 2% KCL. Press csg to 1000#. All held. RD Halco. RIH w/ 158 jts tbg. Tag btm @ 5220'. RU & swab FL to 3800'. POOH & LD shifting tool. RU McCullough. Run GR-CC1 log from 5213' to 4200'. LTD @ 5215'. RIH w/ 3-1/8" csg gun & perforate from 5107' to 5122' (2 JSPF, 32 holes). RIH w/ Pengo GS III pkr (6.10'), 2-3/8" SSN (1.10'), 153 jts 2-3/8" tbg (5028.60'). Set pkr @ 5040'. SDFD. DW: 7890. CW: 111,894.

APR 30 1987
 KANSAS GEOLOGICAL SURVEY
 WICHITA BRANCH

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 STATE GEOLOGICAL SURVEY
 WICHITA BRANCH

APR 29 1988
 CONSERVATION DIVISION
 Wichita, Kansas

| | | | |
|------------|----------------------|-------------|--------------------|
| WELL NAME: | WALLACE "R" #1 | PTD: | 5300' |
| AREA: | Stockholm | ELEVATIONS: | 3884' KB, 3874' GL |
| LOCATION: | Sec. 29-T15S-R42W | CONTRACTOR: | Murfin |
| COUNTY: | Wallace | AFE NUMBER: | 862830 |
| STATE: | Kansas | LSE NUMBER: | 78487 |
| FOOTAGE: | 1400' FWL, 1560' FSL | TXO WI: | 75% |

- 03/28/87 5220' PBTB, SITP 0#. RU & swab. IFL @ 4000'. Swab 8 hrs. Rec 77 BF. Last 6 hrs 95% oil. Avg 10 BFPH. Lowered FL to 4100'. Fluid very gassy. RU Cable. RIH w/ press bomb. Hung @ 5114'. SWI. SDFD. DW: 1300. CW: 113,194.
- 03/29/87 SI for press build-up. DW: 0. CW: 113,194.
&
03/30/87
- 03/31/87 MI dozer & clear drifts from road to get into location. On location @ 12:00 Noon. SITP 10#. POOH w/ press bomb & RD cable. Static BHP 310#. FL @ 4200'. Temp 154° F. RU Halco & load csg w/ 34 BW. Pump dn tbg w/ 36 bbls lease water & 50 (7/8") ball sealers. Displ w/ 18 bbls lease wtr. Ball off to 3500#. Unable to surge balls off. ATR 6 BPM. ATP 2750#. 54 BLWTBR. RU & swab 4 hrs. FL @ 4200'. Rec 58 BF (38 BW & 20 BO). Last hr 90% oil. Avg 10 BFPH. SWI & SDFD. 20 BLWTBR. DW: 4825. CW: 118,019.
- 04/01/87 5220' PBTB, SITP 15#. RIH w/ swab. FL @ 4000'. Swab 4-1/2 hrs. Rec 49 BF. Lowered FL to 4300'. (44 BO & 5 BW.) Averaging 10 BFPH. 95% oil cut. Heavily gas cut. Rel pkr. POOH w/ tbg. LD pkr. RIH w/ 1 jt 2-3/8" tbg w/ bull plug (33.54'), 2-3/8" perfed nipple (3.10'), SSN (1.10'), 3 jts 2-3/8" tbg (98.77'), 4-1/2" Baker Model B TAC w/ 35,000# shear (3.4'), 154 jts 2-3/8" tbg (5061.62'). Set tbg @ 5210'. SSN @ 5172'. TAC @ 5070' w/ 18,000# tension. SWI. SDFD. DW: 1900. CW: 119,919.
- 04/02/87 5220' PBTB, PU & RIH w/ 2" x 1-1/2" x 20' RWBC Axelson pump w/ 20' gas anchor, 2' x 3/4" sub, 136 (3/4") plain rods Cond-B, 69 (7/8") scraped rods Cond-B, 1-1/4" x 22' polished rod w/ 1-1/2" x 10' liner. Seat pump. Hang 18" off btm. RR @ 4:30 PM 4/1/87. Drop from report until pumping unit is installed. DW: 7400. CW: 127,319.

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APR 29 1988

ANSWER OFFICE
Wichita, Kansas