

# TIGHT HOLE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

TYPE

SIDE ONE

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238.

LICENSE # 5171 EXPIRATION DATE Dec. 1, 1983

OPERATOR TXO Production Corp. API NO. 15-071-20,294-0000

ADDRESS 1800 Lincoln Center Bldg. COUNTY Greeley

Denver, Colorado 80264 FIELD Stockholm S.W.

\*\* CONTACT PERSON Frank D. Tsuru PROD. FORMATION L - Morrow

PHONE (303) 861-4246

PURCHASER The Permian Co. LEASE Edsall

ADDRESS 9810 E. 42nd Street, Ste. 233 WELL NO. E-5

Tulsa, Oklahoma 74145 WELL LOCATION \_\_\_\_\_

DRILLING Kissinger Drilling, Inc. 1650 Ft. from North Line and

CONTRACTOR 410 17th Street 1650 Ft. from East Line of

ADDRESS Denver, Colorado 80202 the NE (Qtr.) SEC 11 TWP 16 SRGE 43W.

PLUGGING None WELL PLAT \_\_\_\_\_ (Office Use Only)

CONTRACTOR \_\_\_\_\_

ADDRESS \_\_\_\_\_

TOTAL DEPTH 5300' PBDT 5260'

SPUD DATE 6/25/83 DATE COMPLETED 8-11-83

ELEV: GR 3918 DF 3927 KB 3928

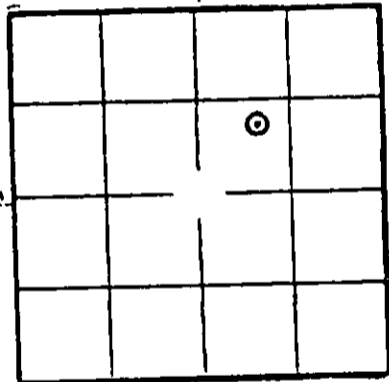
DRILLED WITH ~~(CABLE)~~ (ROTARY) ~~(API)~~ TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE \_\_\_\_\_

Amount of surface pipe set and cemented 520 DV Tool Used? Yes

THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO. Other \_\_\_\_\_

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.



(Office Use Only)  
KCC   
KGS   
SWD/REP \_\_\_\_\_  
PLG. \_\_\_\_\_

### A F F I D A V I T

Frank D. Tsuru, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

Frank D. Tsuru  
(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 24 day of August, 1983.

Nada J. Branson  
(NOTARY PUBLIC)

MY COMMISSION EXPIRES: My Commission Expires Dec. 14, 1986

RECEIVED  
KANSAS CORPORATION COMMISSION

\*\* The person who can be reached by phone regarding any questions concerning this information.

AUG 20 1983  
8-29-83  
CONSERVATION DIVISION  
Wichita, Kansas

7670 44 7385 21377

PAGE TWO

OPERATOR TXO Production Corp.

LEASE Edsall E-5

ACO-1 WELL HISTORY  
SEC. 11 TWP. 16S RGE. 43W

FILL IN WELL LOG AS REQUIRED:

FORMATION DESCRIPTION, CONTENTS, ETC.		TOP	BOTTOM	NAME	DEPTH
Lower Morrow Sand		5130	5148	Stone Corral	2746
				Topeka	3897
				Lansing	4222
				Marmaton	4610
				Morrow	5048

CONFIDENTIAL

APR 16 1985

State Geological Survey  
WICHITA BRANCH

RELEASED  
SEP 18 1985  
FROM CONFIDENTIAL

Report of all strings set — surface, intermediate, production, etc. **CASING RECORD (New) or (Used)**

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8-5/8"	24#	520'	60-40 poz	300	3% CaCl <sub>2</sub>
Production	7-7/8"	4-1/2"	10.5#	5300'	50-50 poz	250	5% salt

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	.36	5131-46

TUBING RECORD		
Size	Setting depth	Packer set at
2-3/8"	5198.32	

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
Break down w/ 2% KCl, frac w/ 23,437 gal Apollo 30	5131-35; 5138-40;
w/ 30,000# 20/40 sd	5140-46

Date of first production 7/23/83	Producing method (flowing, pumping, gas lift, etc.) Pumping	Gravity 40°
RATE OF PRODUCTION PER 24 HOURS	Oil 10 bbls.	Water 61 % 16 bbls.
Disposition of gas (vented, used on lease or sold) None	Gas-oil ratio CFPS	Perforations 5131-46 (gross)

WELL NAME: Edsall "E" #5  
 AREA: SW Stockholm  
 LOCATION: Sec. 11, T16S-R43W  
 COUNTY: Greeley  
 STATE: Kansas  
 FOOTAGE: 1650' FNL, 1650' FEL

**CONFIDENTIAL**

15071-20294-0000  
 ELEVATIONS: 5300'  
 3928' KB, 3918' GL  
 CONTRACTOR: Kissinger  
 AFE NUMBER: 820961  
 LSE NUMBER: 93410  
 TXO WI: 75%

\*\*\*\*\*

REMUUDA CORPORATION  
 490 No. 31st St.  
 Suite 308  
 Billings, Montana 59101  
 Attn: Bill Sampsel  
 (406) 259-4296

Just Mail

**TIGHT HOLE**

SOUTHERN CENTURY, INC.  
 900 - 401 Ninth Ave., S.W.  
 Calgary, Alberta  
 Canada T2P 3C5  
 Attn: Omer Patrick  
 (403) 262-2883

Just Mail

CHAR HOLDINGS, LTD. and  
 MAINLAND PETROLEUM CO.  
 1960 Sunlife Plaza  
 144--4th Ave., S.W.  
 Calgary, Alberta  
 Canada T2P 3N4  
 (403) 262-5542

Just Mail

D.C.X. RESOURCES, LTD.  
 1776 Lincoln St., 8th Fl.  
 Ste. 601  
 Denver, Colorado 80203  
 Attn: Harry Veal  
 (303) 861-4295

Just Mail

**SEP 16 1985**  
**State Geological Survey**  
**WICHITA BRANCH**

SECURITY EXPLORATION  
 2900 Security Life Building  
 1616 Glenarm Pl.  
 Denver, Colorado 80202  
 Attn: Holmes McLish  
 (303) 534-3052

Just Mail

**RELEASED**

**SEP 18 1985**

LARNE HOLDINGS, INC.  
 522 Calgary House  
 555 Sixth Ave. S.W.  
 Calgary, Alberta  
 Canada T2P 0M8  
 Attn: William LeSourd  
 (403) 263-5662

Just Mail

**FROM CONFIDENTIAL**

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06/24/83 74' (74'), repairing rotary hose. Surface Sd. Spud. 9.2, 46. MI RU  
 RT. Drlg MH, RH. Spud 12-1/4" hole @ 4:30 AM 6/24/83. DD  
 1.

06/25/83 530' (456'), WOC. Sd, sh. 9.1, 100. Finished 12-1/4" hole @ 10:30  
 PM 6/24/83. Ran 13 jts 8-5/8" OD, 8rd, 24#, K-55, ST&C, C-A csg  
 (509.40'). Set @ 520'. Cmt w/ 300 sxs 60-40 poz mix w/ 3% CaCl<sub>2</sub>.  
 Cmt circ. Plug down @ 3 AM 6/25/83. 1-1/4" @ 530'. DW: 6754. CW:  
 9968. DD 2.

06/26/83 1430' (900'), TIH after LC. Sh. 8.9, 32, LCM 8#. Drlg plug @ 11 PM  
 6/25/83. DW: 12,336. CW: 22,304. DD 3.

06/27/83 2330' (900'), drlg. Sh. Native. 1" @ 1808'. DW: 12,391. CW:  
 34,695. DD 4.

06/28/83 3140' (810'), drlg. Sh, lm. 8.9, 29. DW: 11,478. CW: 46,173. DD  
 5.

Edsall "E" #5  
SW Stockholm  
Sec. 11, T16S-R43W  
Greeley  
Kansas  
STAGE: 1650' FNL, 1650' FEL

**CONFIDENTIAL**

15-071-20294-0000  
5300'  
ELEVATIONS: 3928' KB, 3918' GL  
CONTRACTOR: Kissinger  
AFE NUMBER: 820961  
LSE NUMBER: 93410  
TXO WI: 75%

- \*\*\*\*\*
- 06/29/83 3610' (570'), drlg. Sh. 8.8, 32, LCM 2-4#. DW: 9577. CW: 55,750.
- 06/30/83 4080' (470'), drlg. Sh & lm. 9.4, 30, 28, 9.5. DW: 9142. CW:  
64,902. DD 7.
- 07/01/83 4430' (350'), drlg. Sh & lm. 8.9, 43, 22, 9.5. DW: 7106. CW:  
72,006. DD 8.
- 07/02/83 4755' (325'), drlg. Sh & lm. 8.8, 40, 18.8, 9.5. DW: 5190. CW:  
77,916. DD 9.
- 07/03/83 4920' (165'), drlg. Sh & lm. 8.9, 46, 9.2, 10. 1-3/40 @ 4816'. DW:  
4392. CW: 82,308. DD 10.
- 07/04/83 5180' (260'), circ for DST #1. Sd & sh. 8.8, 55, 8.8, 11. Drlg brk  
@ 5158-5168' from 2-1/2 MPF to 5 MPF. Sample description: 80% ss w/  
60% light brn stain & 60% light gold fluor. Circ. Short trip. Circ.  
DW: 5547. CW: 87,855. DD 11.
- 07/05/83 5237' (57'), drlg. Sh & sd. 8.9, 68, 8.8, 11. DST #1 from  
5160-5180', Morrow fm. IFP, TO w/ very weak blow, dead in 15 min.  
FFP, TO, dead. Rec 10' mud. IHHP 2425#, IFP (30 min) 91/121#, ISIP  
(30 min) 106#, FFP (10 min) 121/121#. FHHP 2398#. BHT 121F. BHSC @  
2#, 2000 cc mud. Rw=.365 @ 74.5F, Cl 16,000 ppm. Test aborted 10 min  
into final flow period. Pulled 60,000# over string weight to free  
pipe. DW: 3956. CW: 91,811. DD 12.
- 07/06/83 5300' (63'), RIH w/ DP & DC. Lm & sh. TD 7-7/8" hole @ 2:30 PM  
7/5/83. RU GO. Started logging @ 10:30 PM 7/5/83. Finished logging  
@ 1:45 AM 7/6/83. 3/40 @ 5300'. DW: 13,746. CW: 105,557. DD 13.
- 07/07/83 5300' (0'), RU Dowell. Ran 4-1/2" guide shoe (1.10'), 1 jt 4-1/2",  
OD, 8rd, 10.5#, K-55, R-3, cond A csg (38.25'), 4-1/2" insert float w/  
fillup attachment, 86 jts 4-1/2" d csg (3473.26'), 4-1/2" Pengo sleeve  
(3.86'), 44 jts 4-1/2" csg (1774.95'), cmtd w/ 250 sxs 50/50 poz w/ 5%  
salt, 3/4% D-65. Dspl w/ 82 bbls 2% KCL. Full returns. BP to 2000#.  
Float held. PD @ 12:15 AM 7/7/83. Set slips. RR @ 1:15 AM 7/7/83.  
Shoe @ 5300'. Float @ 5260.65'. Sleeve @ 1783.53'. Drop from  
report until completion begins. DW: 8635. CW: 114,192. DD 14.
- 07/13/83 5260' PBTD, MIRUCT. RIH w/ 4-1/2" Pengo PR-3 pkr (7.1'),  
2-3/8"x1-25/32" SSN (1.1'), 154 jts 2-3/8", OD, 8rd, J-55, R-3, cond A  
tbg (5077.8') to 5092'. Swab FL to 3650'. POOH w/ tbg to 4300'. RU  
McCullough. RIH w/ GR-CCL log from 5214-4250'. Lower tbg & set pkr @  
5092'. Perf 4-1/2" csg w/ 1-9/16" omega thru-tbg steel hollow carrier  
gun as follows: 5131-35', 5138-40', 5142-46', 2 JSPF, 26 holes. Made  
2 swab runs. IFL @ 3650'. Tbg dry on second run. LOTPON. SDFD.  
DW: 71,584. CW: 185,776.
- 07/14/83 5260' PBTD, RU tbg swab. RIH w/ swab. IFL @ 4900'. Swab for 2 hrs.  
2nd run dry. RU Dowell. Brk dn perfs & treat w/ 1000 gal 2% KCL w/  
additives. Dspl w/ 20 bbls 2% KCL. MTP 3000#, ATP 2500#. MIR 5 BPM,  
AIR 4 BPM. ISDP 1000#, 5 min 400#, 10 min 0#. Balled off to 3000#.  
RU & RIH w/ swab. IFL @ 100'. Swab for 5-1/2 hrs. LFL to 5000'.  
Made 2 RPH. Rec 24 BLW. No shows of oil or gas. BLWTBR 20. LOTPON.  
SDFN. DW: 3830. CW: 189,606.
- 07/15/83 5260' PBTD, IFL 3850' w/ tr oil first run. Swab 9 hrs. Lowered FL to  
5050'. Rec 9 BW. Rec 50' fluid/run last 3 hrs. SDFN. BLWTBR 11.  
DW: 1700. CW: 191,306.

APR 16 1985

State Geological Survey  
WICHITA BRANCH

Edsall "E" #5  
 SW Stockholm  
 Sec. 11, T16S-R43W  
 Greeley  
 Kansas  
 1650' FNL, 1650' FEL

PTD: 5300'  
 ELEVATIONS: 3928' KB, 3918' GL  
 CONTRACTOR: Kissinger  
 AFE NUMBER: 820961  
 LSE NUMBER: 93410  
 TXO WI: 75%

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- 07/16/83 5260' PBTB, RIH w/ tbg swab. IFL @ 4300'. Made 2 runs. First run had 100' free oil. Rec 4 BF. Rel pkr & TOOH w/ tbg. RU Western & frac dn 4-1/2" csg w/ 30,000# 20/40 sd & 22,000 gal Apollo gel. MTP 3800#. ATP 3000#. MIR 15 BPM. AIR 12 BPM. ISDP 1900#, 15 min 1300#. SI well. SDFN. BLWTBR 610. DW: 22,964. CW: 214,270.
- 07/17/83 5260' PBTB, TIH w/ SSN & 2-3/8" tbg. Landed @ 5090'. RU swab & swab 9 hrs. IFL @ 300'. Rec 88 BF. All wtr. Lowered FL to 4600'. Av fluid entry rate @ 9.8 BFPH. LOTPON. SDFN. BLWTBR 522. DW: 2750. CW: 217,020.
- 07/18/83 5260' PBTB, SDFS. DW: 0. CW: 217,020.
- 07/19/83 5260' PBTB, RIH w/ 4 jts 2-3/8" tbg & tagged fill @ 5199'. POOH w/ 4 jts. SSN & 5086'. RU & swab 8 hrs. IFL @ 4200'. Lowered FL to 4300'. Rec 24.5 BF. All wtr. RIH & tag fill @ 5198'. POOH & set tbg @ 5086'. SI well. SDFN. BLWTBR 497.5. DW: 3350. CW: 220,370.
- 07/20/83 5260' PBTB, ran swab. IFL @ 3850'. Swab 11 hrs. FFL @ 4800'. Rec 30 BW (tr oil & slightly gas-cut). SI well. SDFN. BLWTBR 467.5. DW: 2240. CW: 222,610.
- 07/21/83 5260' PBTB, IFL 4000'. Swab 11 hrs. Rec 55 BW. FFL 4800'. Last run had 5% oil & was slightly gas-cut. BLWTBR 417.5. DW: 2240. CW: 224,850.
- 07/22/83 5260' PBTB, RIH w/ swab. IFL @ 4300'. Swab for 8 hrs. LFL to 4800'. Rec 30 BTF (5% oil decr to 2% oil). TOOH w/ 154 jts 2-3/8" tbg & 2-3/8"x1-25/32" SSN. SDFN. LOTPON. BLWTBR 387. DW: 2240. CW: 227,090.
- 07/23/83 5260' PBTB, PU & RIH w/ 2 jts 2-3/8" OD, 8rd, EUE, 4.7#, J-55, R-2, cond A tbg (65.91'), one 2-3/8" 8rd, EUE, J-55, perf nipple (3.10'), 2-3/8" x 1-25/32" SSN (1.10'), 3 jts 2-3/8" tbg (98.95'), one 4-1/2" x 2-3/8" model "B" Baker TAC w/ 25,000# shear (5.53') & 152 jts 2-3/8" tbg (5017.47'). Mud anchor @ 5186.44', SSN @ 5116.32'. Perf nipple @ 5117.42 to 5119.52'. Anchor catcher @ 5022.52' set w/ 18,000# tension. PU RIH w/ 1" x 10' gas anchor, 2"x1.5"x16' RWBC pump, one 2"x3/4" rod sub, 136 jts 3/4x25' plain rods, 67 - 7/8"x25' scraped rods, one 7/8"x4' scraped sub, one 1-1/4"x25' polish rod, one 1-1/2"x1-1/4"x10' liner. Seat pump 13" off btm. Released rig @ 5 PM 7/22/83. DW: 2040. CW: 224,650.
- 07/24/83 5260' PBTB, pumping equipment installed & started pumping @ 10:30 AM 7/23,83. 64" SL @ 9 SPM.
- 07/25/83 5260' PBTB, pumped 115 BF in 22 hrs. Well head grindout @ gauge time 60% oil. DW: 0. CW: 224,650.
- 07/26/83 5260' PBTB, pumped 65 BTF in 24 hrs. Wellhead grindout @ gauge time 4% oil, 96% wtr. DW: 0. CW: 224,650.
- 07/27/83 5260' PBTB, pumped 36 BW & 7 BO in 24 hrs. Wellhead grindout @ gauge time 6% oil. BLWTBR 224. DW: 0. CW: 224,650.
- 07/28/83 5260' PBTB, pumped 43 BW, 6 BO, 24 hrs. Well head grind out @ gauge time 8% oil, 92% wtr. BLWTBR 181. DW: 0. CW: 224,650.
- 07/29/83 5260' PBTB, pumped 0 BO & 0 BW. Rained dn 24 hrs. BLWTBR 181. DW: 0. CW: 224,650.

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Kansas  
1650' FNL, 1650' FEL

PTD: 5300'  
PERMITS: 3928' KB, 3918' GL  
CONTRACTOR: Kissinger  
AFE NUMBER: 820961  
LSE NUMBER: 93410  
TXO WI: 75%

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STAGE:

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- 07/30/83 5260' PBTD, pumped 4 BO, 40 BW, 24 hrs. BLWTBR 141.
- 07/31/83 5260' PBTD, pumped 4 BO, 16 BW, 24 hrs. BLWTBR 125.
- 08/01/83 5260' PBTD, pumped 8 BO, 40 BW, 24 hrs. BLWTBR 85.
- 08/02/83 5260' PBTD, pumped 4 BO, 16 BW, 24 hrs. BLWTBR 69.
- 08/03/83 5260' PBTD, pumped 2 BO, 18 BW, 24 hrs. BLWTBR 51.
- 08/04/83 5260' PBTD, pumped 2 BO, 18 BW, 24 hrs. BLWTBR 33.
- 08/05/83 5260' PBTD, pumped 2 BO, 8 BW, 16 hrs. BLWTBR 25.
- 08/06/83 5260' PBTD, pumped 8 BO, 20 BW, 24 hrs. BLWTBR 5.
- 08/07/83 5260' PBTD, pumped 8 BO, 20 BW, 24 hrs.
- 08/08/83 5260' PBTD, pumped 12 BO, 8 BW, 24 hrs.
- 08/09/83 5260' PBTD, pumped 16 BO, 12 BW, 24 hrs.
- 08/10/83 5260' PBTD, pumped 0 BO, 4 BW, 4 hrs. Engine down - started right up.
- 08/11/83 5260' PBTD, pumped 9 BO, 16 BW, 24 hrs. Grind out @ gauge time 20%  
oil. 5 day average: 10 BOPD, 16 BWPD. IP Morrow oil well. FINAL REPORT!!!

RELEASED

SEP 18 1985

FROM CONFIDENTIAL

APR 16 1985  
State Geological Survey  
WICHITA BRANCH