

# TIGHT HOLE

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

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 2/7/85

OPERATOR TXO Production Corp. API NO. 071-20,327-0000

ADDRESS 1800 Lincoln Center Bldg. COUNTY Greeley

Denver, Colorado 80264 FIELD Stockholm

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

PHONE (303) 861-4246

PURCHASER The Permian Corp. LEASE Otis

ADDRESS 9810 E. 42nd Street, Suite 233 WELL NO. 6

Tulsa, Oklahoma 80701 WELL LOCATION NE SE NE

DRILLING J.W. Gibson Drilling Co. 3630 Ft. from south Line and

CONTRACTOR 1204 E. Burlington 330 Ft. from east Line of

ADDRESS Fort Morgan, Colorado 80701 the NE (Qtr.) SEC 12 TWP 16S RGE 43W.

PLUGGING None WELL PLAT

CONTRACTOR CONTRACTOR ADDRESS

ADDRESS

TOTAL DEPTH 5270 PBTD 5231

SPUD DATE 8/11/84 DATE COMPLETED 9/1/84

ELEV: GR 3880' DF KB 3890'

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING

USED TO DISPOSE OF WATER FROM THIS LEASE

Amount of surface pipe set and cemented 462' 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.

## TIGHT HOLE

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 1st day of October, 1984.

Lummy Lynn Willis  
(NOTARY PUBLIC)

MY COMMISSION EXPIRES: January 7th, 1986

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

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State Geological Survey  
WICHITA BRANCH

10-4-84



ACO-1 WELL HISTORY

LEASE Otis #6

SEC.12 TWP 16S RGE.43W

SHOW GEOLOGICAL MARKERS, LOGS RUN,  
OR OTHER DESCRIPTIVE INFORMATION.

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

RELEASED  
JAN 17 1986  
FROM CONFIDENTIAL

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

### LINER RECORD

**REFORMATION RECORD**

### TUBING RECORD

ACID FRACTURE SHOT CEMENT SQUEEZE RECORDAmount and kind of material usedDate of first productionProducing method (flowing, pumping, gas lift, etc.)

**Crowder**

<b>RATE OF PRODUCTION PER 24 HOURS</b> <div>85</div>	<b>Oil</b> <div>85</div>	<b>Gas</b> <div>43</div>	<b>Water</b> <div>65</div>	<b>%</b> <div>65</div>	<b>Gas-oil ratio</b> <div>1.5</div>
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Disposition of gas (rented, used on lease or sold)	Perforations	5152-82
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15-071-20327-0000

WELL NAME: Otis #6  
 AREA: SW Stockholm  
 LOCATION: Section 12, T16S-R43W  
 COUNTY: Greeley  
 STATE: Kansas  
 FOOTAGE: 330' FEL & 1650' FNL

PTD: 5300'  
 ELEVATIONS: 3890' KB, 3880' GL  
 CONTRACTOR: Gibson #93  
 AFE NUMBER: 842806  
 LSE NUMBER: 73153  
 TXO WI: 100%

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- 08/11/84 1200' (1200'), drlg. Sh. Native. MIRU Gibson #93. Spud 12-1/4" hole @ 12 AM 8/10/84. Fin 12-1/4" hole @ 5 PM 8/10/84. Ran 11 jts 8-5/8", 24#, K-55, ST&C, R-3, C-A (450.11'), set @ 462'. Cmtd w/ 150 sxs lite cmt & 100 sxs Cl "C" w/ 3% CaCl<sub>2</sub>. PD @ 12 PM 8/10/84. Full returns. Cmt circ. Drill plug @ 4 AM 8/11/84. 1/4° @ 470'. DW: 22,292. CW: 22,292. DD 1.
- 08/12/84 2800' (1600'), drlg. Sh. Native. 1-1/2° @ 1413'. DW: 17,728. CW: 40,020. DD 2.
- 08/13/84 3665' (865'), drlg. Sh. Native. DW: 10,216. CW: 50,236. DD 3.
- 08/14/84 4211' (546'), drlg. Sh & lm. 9.5, 38, LCM 6#. Lost circ @ 3971'. Lost approx 180 bbls mud. Incr LCM to 6#/bbl. Regained circ. Resumed drlg. DW: 9627. CW: 59,863. DD 4.
- 08/15/84 4602' (391'), TFB #4. Sh & lm. 9.2, 38, 20, 9. 3/4° @ 4602'. DW: 6733. CW: 66,596. DD 5.
- 08/16/84 4971' (369'), drlg. Sh & lm. 9.2, 43, 112.4, 9.5. DW: 7008. CW: 73,604. DD 6.
- 08/17/84 5270' (299'), TOOH for logs. Lm & sh. 9.2, 62, 9.8, 9.5. TD 7-7/8" hole @ 1 AM 8/17/84. Circ, short trip, circ. Started OOH. DW: 6298. CW: 79,902. DD 7.
- 08/18/84 5270' (0'), RDMORT. Started logging @ 8 AM 8/17/84. Finished logging @ 3 PM 8/17/84. Ran 4-1/2" cmt guide shoe (1.1'), one 4-1/2" OD, 8rd, ST&C, K-55, R-3, C-A csg (37.11'), 4-1/2" insert float w/ fillup attachment, 79 jts 4-1/2" csg (3425.17'), 4-1/2" Pengo cmt sleeve (2.26'), 42 jts 4-1/2" csg (1819.44'), shoe @ 5270', float @ 5231.79', sleeve @ 1806.62'. Cmtd w/ 200 sxs 50/50 poz w/ 5% salt, 3/4% D-65, 1/4# celloflake. Dspl w/ 83.5 bbls 2% KCL. BP to 1500#. Full returns. Float held. PD @ 5:30 AM. Set slips. RR @ 6 AM 8/18/84. Drop from report until completion begins. DW: 54,478. CW: 134,380. DD 8.
- 08/22/84 5232' PBTB, MIRUCU. Unload tbg. RU McCullough. Ran GR-CCL log from 5185-4100'. LTD @ 5189'. Had 43' of fill up. RIH w/ 4-1/2" Pengo III pkr (7.1'), 2-3/8"x1-25/32" SSN (1.1'), 165 jts 2-3/8" cond A tbg (5038.74'). Set @ 5089'. RU & swab FL to 3900'. RIH w/ 1-9/16" OD Omega jet through tbg carrier. Checked btm of pkr. PU to correlate SSN. Perf gun stuck in SSN. Pull out of rope socket. POOH w/ tbg & pkr. Found perf gun hung up in SSN. Set screws had come out of gun connections. Remove perf gun. SDFN. DW: 24,510. CW: 158,890.
- 08/23/84 5231' PBTB, RIH w/ 3-1/4" bit. Bit sub & 169 jts 2-3/8" tbg (5184'). Tag top of fill up @ 5191'. Circ out & drill out to 5231'. POOH. LD bit & bit sub. RIH w/ 4-1/2" Pengo III pkr (7.1'), 2-3/8"x1-25/32" SSN (1.1'), 165 jts 2-3/8" tbg (5073.04'), set pkr @ 5089'. Swab FL @ 4100'. RU McCullough. Perf 4-1/2" csg w/ 1-9/16" Omega jet through tbg carrier from 5152-5182', 2 JSPF, 62 holes. Ran swab. FL @ 3100'. Swab for 1/2 hr. FL @ 3500'. 2 runs rec 6 BW w/ tr oil on 2nd run. SI well. SDFN. DW: 7179. CW: 166,069.
- 08/24/84 5232' PBTB, SITP 30#. RIH w/ swab. IFL @ 3500'. Swab for 10 hrs. LFL to 4000'. Rec 124 bbls of fluid, 50% oil cut throughout day. Fluid rate incr to 14 BPH. SWI. SDFN. DW: 2360. CW: 168,429.
- 08/25/84 5237' PBTB, SITP 60#. Ran swab. IFL @ 4000'. Swab for 4 hrs. LFL to 4000'. Rec 56 bbls, 20 BO & 34 BW. Unseat pkr. POOH & LD pkr. Pull out & RIH w/ one 2-3/8" bull plug, 1 jt 2-3/8", OD, 8rd, 4.7#, K-55, R-2, C-A tbg (28.95'), one 2-3/8" perf nipple (3.01'), one

OCT 5 1984

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State Geological Survey  
 WICHITA BRANCH

OCT 04 1984

STATE OF KANSAS COMMISSION

Wichita Branch  
 State Geological Survey



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 AFE NUMBER: 842806  
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 TXO WI: 100%

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08/25/84 2-3/8"x1-25/32" SSN (1.1'), 3 jts 2-3/8" tbg (93.62'), one 4-1/2" cont. Baker Model "B" pkr (3'), 165 jts 2-3/8" tbg (5072.62'), two 4"x2-3/8" tbg subs, C-B (8'). Set TAC w/ 15,000# tension. Tbg set @ 5222'. Perf nipple @ 5193.05' to 5190.04'. SSN @ 5188.94'. Anchor @ 5095.32'. PU & RIH w/ one 2"x1-1/2"x20' RWBC Axelson pump w/ 6' gas anchor, (117) 3/4"x25' plain rods, (87) 7/8"x25' scraped rods, (1) 7/8"x4' scraped rod, 1-1/4"x25' polished rod w/ 1-1/2"x10' liner. Seat pump. Hang 1-1/2" off btm. RR @ 8:30 PM 8/25/84. DW: 3550. CW: 171,979.

08/26/84 5237' PBTD, set pumping unit & engine. Started pumping unit. Engine quit. Worked on engine. Couldn't start. DW: 0. CW: 171,979.

08/27/84 5237' PBTD, worked on engine all day. Couldn't start. Possible altronic ignition problems. Pamco will be on location this AM. DW: 0. CW: 171,979.

08/28/84 5237' PBTD, WO parts for Waukeshau engine. Should start up today. DW: 0. CW: 171,979.

08/29/84 5237' PBTD, repaired engine on pumping unit. Started pumping @ 9 AM 8/28/84. DW: 0. CW: 171,979.

08/30/84 5237' PBTD, pumped 40 BO & 194 BW in 24 hrs. DW: 0. CW: 171,979.

08/31/84 5237' PBTD, pumped 53 BO & 124 BW in 23 hrs. DW: 0. CW: 171,979.

09/01/84 5237' PBTD, pumped 98 BO & 66 BW in 22 hrs. DW: 171,979.

09/02/84 5237' PBTD, pumped 57 BO & 39 BW in 8 hrs (sd, no storage). DW: 0. CW: 171,979.

09/03/84 5237' PBTD, pumped 69 BO & 46 in 21 hrs. DW: 0. CW: 171,979.

09/04/84 5237' PBTD, pumped 106 BW & 71 BW in 24 hrs. IP Morrow oil pumping well for 85 BOPD & 65 BWPD. FINAL REPORT!!! DW: 0. CW: 171,979.

OCT 5 1984

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 State Geological Survey  
 WICHITA BRANCH

OCT 04 1984  
 CONSULTATION & VISIT  
 WICHITA, KANSAS