

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 12/28/83

OPERATOR TXO Production Corp. API NO. 15-071-20296-0000

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 Garrison

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

Tulsa, Oklahoma 74145 WELL LOCATION SE

DRILLING CONTRACTOR J.W. Gibson Drilling Co. 2310 Ft. from S Line and

ADDRESS 1204 E. Burlington, P.O. Box 939 1650 Ft. from W Line of

Fort Morgan, Colorado 80701 the SW (Qtr.) SEC 12 TWP 16 SRGE 43W.

PLUGGING None WELL PLAT (Office Use Only)

CONTRACTOR ADDRESS _____

TOTAL DEPTH 5265 PBTD 5228

SPUD DATE 7/16/83 DATE COMPLETED 8/15/83

ELEV: GR 3898 DF _____ KB 3908

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 450' 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.

KCC
KGS
SWD/REP _____
PLG. _____
EFD
8-15-83

AFFIDAVIT. 31 @ 103 = 3193 30 @ 103 = 3090
4944 1100
6180

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, 1988
320 Perry St. Westminster, CO 80030

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

RECEIVED
STATE CORPORATION COMMISSION

7670 44 7385 26184

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

FILL IN WELL LOG AS REQUIRED:

FORMATION DESCRIPTION, CONTENTS, ETC. <small>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.</small>	TOP	BOTTOM	SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
			NAME	DEPTH
Lower Morrow Sand	5120	5157	Stone Corral	2736
			Topeka	3886
			Lansing	4210
			Marmaton	4595
			Morrow	5030

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SEP 12 1984
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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/H.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/2"	12 1/2"	24#	464'	Class "C"	320 sxs	3% CaCl ₂
Production	7-7/8"	4 1/2"	10.5#	5265'	50-50 poz	225 sxs	3% KCl w/ 3/4% D-65

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	.41	5120-44

Size	Setting depth	Packer set at
2-3/8"	5197.78	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Perforated w/ 2 jspf	5120-44

Date of first production 8/22	Producing method (flowing, pumping, gas lift, etc.) Pumping	Gravity 40°
RATE OF PRODUCTION PER 24 HOURS	Oil 114 bbls.	Gas MCF
Disposition of gas (vented, used on lease or sold) TSTM	Water 3 %	Gas-oil ratio 4 bbls. CFPB
	Perforations 5120-44	

15-071-20296-0000

CONFIDENTIAL

State Geological Survey
WICHITA BRANCH

WELL NAME: Garrison "A" #5
AREA: SW Stockholm
LOCATION: Section 12, T16S-R43W
COUNTY: Greeley
STATE: Kansas
FOOTAGE: 2310' FSL & 1650' FWL

PTD: 5300'
ELEVATIONS: 3908' KB, 3898' GL
CONTRACTOR: Gibson #93
AFE NUMBER: 831461
LSE NUMBER: 97496
TXO WI: 75%

PETROLEUM, INC.
515 First Life Assurance Building
Oklahoma City, Oklahoma 73102
Attn: Kathy Robertson
Phone: (405) 235-6494

Daily Call
Weekly Mail

TIGHT HOLE

PETROLEUM, INC.
P. O. Box 1255
Liberal, Kansas
Attn: Vicki Wise

Just Mail

- 07/17/83 364' (364'), working on draw works. Sd & sh. Native. Spudded
12-1/4" hole @ 9 PM 7/16/83. Drill to 364'. Draw works brk dn. DW:
4807. CW: 4807. DD 1.
- 07/18/83 1025' (761'), drlg. Sd & sh. Native. TD 12-1/4" hole @ 9 AM
7/17/83. TOOH. RIH w/ guide shoe & 10 jts 8-5/8", 24#, K-55, ST&C
csg (452.61'). Set @ 464'. Cmtd w/ 320 sxs Cl "G" w/ 3% CaCl₂. Full
returns. PD @ 12:45 PM. Drill plug @ 9 PM. 3/4" @ 470'. DW:
14,985. CW: 19,792. DD 2.
- 07/19/83 2820' (1795'), drlg. Red Bed. Native. TFB #3. 3/4" @ 1863'. DW:
20,563. CW: 40,355. DD 3.
- 07/20/83 3420' (600'), drlg. Lm & sh. Native. TFB #4. 2" @ 2877'. DW:
15,840. CW: 56,195. DD 4.
- 07/21/83 3922' (502'), drlg. Lm & sh. 9.4, 38. DW: 9665. CW: 65,860. DD
5.
- 07/22/83 4026' (106'), waiting on wash pipe. Sd & sh. 9.4, 39, 22.4, 9.
Stuck @ 11:45 AM 7/21/83. Free pipe @ 2980'. Shot off @ 2913'. Will
wash over drill pipe this AM. DW: 2801. CW: 69,740. DD 6.
- 07/23/83 4026' (0'), stuck wash pipe @ 2840'. 9.4, 49, 10.4, 10. % LCM tr.
RIH w/ flat btm mill shoe & 8 jts 7" wash pipe, bumper sub & jars.
Wash pipe differentially stuck @ 2840'. Will spot oil this AM. DW:
1300. CW: 71,040. DD 7.
- 07/24/83 4026' (0'), TIH w/ DP to screw in fish & back-off. 9.4, 73, 9.8, 10.
% LCM tr. Released Geologist 7/23/83. Spotted 50 BO, wash pipe
free. Washed & reamed 110' to 3091'. POOH w/ wash pipe. DW: 800.
CW: 71,840. DD 8.
- 07/25/83 4026' (0'), prep to back off @ 3407'. 9.1, 75, 7.2, 9.5. TIH w/ DP &
sting back into fish. Ran free point survey. pipe free @ 3450'.
(Top of fish @ 2913'). DW: 800. CW: 72,640. DD 9.
- 07/26/83 4026' (0'), circ on top of bit w/ wash pipe. 9.3, 72, 6, 9.5. Backed
off pipe @ 3407'. Washed dn to 3670' & backed off @ 3645'. Washed dn
to bit, circ through wash pipe on bit. Will TOOH w/ wash pipe & TIH
w/ jars, subs & DP. Attempt to sting into top of fish @ 3645'. DW:
800. CW: 73,440. DD 10.
- 07/27/83 4026' (0'), POOH w/ wash pipe. Stung into top of fish w/ jars, bumper
subs, & DP. Pipe wouldn't move. RIH w/ FP. Pipe stuck @ 3950'.
Backed off @ 3915'. TOOH. Left in hole: 3 DC's & bit. RIH w/ wash
pipe & wash over to bit @ 3990' (approx 36' off btm). Will POOH w/
wash pipe & TIH w/ DP, jars, & bumper subs. DW: 800. CW: 74,240.
DD 11.

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Date: SEP 1 1984

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State Geological Survey

WICHITA BRANCH

15-071-20296-0000

WELL NAME: Garrison "A" #5
AREA: SW Stockholm
LOCATION: Section 12, T16S-R43W
COUNTY: Greeley
STATE: Kansas
FOOTAGE: 2310' FSL & 1650' FWL

PTD: 5300'
ELEVATIONS: 3908' KB, 3898' GL
CONTRACTOR: Gibson #93
AFE NUMBER: 831461
LSE NUMBER: 97496
TXO WI: 75%

- 07/28/83 4165' (139'), drlg. Lm & sh. 9, 42, 8.4, 10. Rec fish & TOOH. On bank @ 4 PM 7/27/83. Inspected pipe on the way in. Resumed drlg @ 10:45 PM 7/27/83. DW: 2777. CW: 77,017. DD 12.
- 07/29/83 4497' (332'), drlg. Lm & sh. 9.1, 54, 9.6, 9.5. DW: 7127. CW: 84,144. DD 13.
- 07/30/83 4801' (304'), drlg. Lm & sh. 9.2, 53, 13, 10. DW: 5970. CW: 90,114. DD 14.
- 07/31/83 5106' (305'), drlg. Lm & sh. 9.1, 50, 10.8, 10. DW: 5975. CW: 96,089. DD 15.
- 08/01/83 5265' (159'), logging. Lm & sh. 9.2, 58, 8, 10. TD 7-7/8" hole @ 9:30 PM 7/31/83. Circ. Short trip. Circ. TOOH. RU GO. Started logging @ 4:45 AM 8/1/83. Sample shows: even bright yellow fluor, slow streaming cut, no stain. 1-1/2" @ 5265'. DW: 3740. CW: 99,829. DD 16.
- 08/02/83 5265' (0'), RDRT. Finished logging @ 10 AM 8/1/83. TIH. Circ to cond hole & LD DP & DC. RIH w/ Dowell 4-1/2" cmt guide shoe (.94'), 1 jt 4-1/2", OD, 8rd, 10.5#, K-55, R-3, Cond A csg (35.84'), 1 Dowell insert float w/ fill-up attachment, 93 jts 4-1/2" csg (3470.96'), Pengo cmt sleeve (2.80'), 44 jts 4-1/2" csg (1763.46'). Shoe landed @ 5265'. Float @ 5228.16'. Cmt sleeve @ 1754.31'. RU Dowell. Cmtd w/ 225 sxs 50/50 poz w/ 3% KCL, 3/4% D-65. Dspl w/ 81 bbls 2% KCL. Full returns. Float held. PD @ 12:30 AM 8/2/83. Set 4-1/2" csg slips. RR @ 1:30 AM 8/2/83. Drop from report until completion begins. DW: 19,001. CW: 118,830. DD 17.
- 08/06/83 5198' PBTB, MIRUCT. RU McCullough. Ran GR-OCL from 5194-4200'. LTD 5198'. POOH. RIH w/ 4-1/2" Pengo PR-3 pkr (7.10'), 2-3/8"x1-25/32" SSN (1.1'), 161 jts 2-3/8" tbg (5057.95'), set pkr @ 5073'. Swab fluid to 3700'. RU McCullough. Perf 4-1/2" csg w/ 1-9/16" Omega jet through tbg steel hollow carrier from 5120-5144', 2 JSPF, 50 holes. RD McCullough. RIH w/ swab. IFL @ 3200'. Pulled 1 run from 4200'. Well KO. Flowed to frac tank for 2 hrs. Rec 38 BO. SI well. SDFD. DW: 79,456. CW: 191,820.
- 08/07/83 5198' PBTB, opened well. Flowed to frac tank for 8 hrs. Rec 77.9 BO & 0 BW (24 hrs rate 233 BOPD). SI well. DW: 1800. CW: 193,620.
- 08/08/83 5198' PBTB, SDFS. DW: 0. CW: 193,620.
- 08/09/83 5198' PBTB, 52 hr SITP 250#. Bled dn well. Well didn't KO. RIH w/ swab. IFL @ 2000'. Made 1 swab run & well KO. Flowed for 6 hrs. Well died. Made 3 more swab runs. Total fluid rec as follows: flowed 52.3 BO in 6-1/2 hrs. Swabbed 22.13 BO. Rec 75.45 bbls total oil. SI. SDFD. DW: 2100. CW: 195,720.
- 08/10/83 5198' PBTB, release pkr. POOH w/ 4-1/2" pkr, SSN, & tbg. LD pkr. RIH w/ 1 jt 2-3/8" tbg (29.92'), 2-3/8" perf sub (3.1'), 2-3/8"x1-25/32" SSN (1.1'), 3 jts 2-3/8" tbg (95.71'), 4-1/2" Baker Model "B" TAC (3.2'), 161 jts 2-3/8" tbg (5054.75'), set w/ 12,000# strain. RIH w/ 2"x1-1/2"x16' RWBC Axelson pump w/ 10' gas anchor 1-3/4"x2' plain pony rod, (138) 3/4"x25' plain rods, (67) 7/8"x25' scraped rods, one 7/8"x8' scraped pony, one 7/8"x4' scraped pony, 1-1/4"x22' polish rod, 1-1/2"x10' polish rod liner. Seat pump. Clamped off. SDFD. Btm of mud anchor @ 5197.78'. Perf nipple @ 5167.86'-5164.76'. SSN @ 5163.66'. TAC @ 5064.75'. DW: 2150. CW: 197,870.

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WICHITA BRANCH

WELL NAME: Garrison "A" #5
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CONTRACTOR: Gibson #93
AFE NUMBER: 831461
LSE NUMBER: 97496
TXO WI: 75%

- 08/11/83 5198' PBTD, RR @ 8 AM 8/10/83. Installing pumping unit & flow line. DW: 0. CW: 197,870.
- 08/12/83 5198' PBTD, installed pumping unit. Started pumping @ 4 PM. Will have gauge tomorrow. DW: 0. CW: 197,870.
- 08/13/83 5198' PBTD, pumped 75 BO in 14-1/2 hrs. Wellhead grind out 100% oil @ gauge time.
- 08/14/83 5198' PBTD, pumped 122.43 BO in 24 hrs. Wellhead grind out 100% oil @ gauge time.
- 08/15/83 5198' PBTD, pumped 96 BO & 23 BW in 24 hrs. Wellhead grind out 92% oil @ gauge time.
- 08/16/83 5198' PBTD, pumped 140 BO & 12 BW in 24 hrs. Wellhead grind out at gauge time 92% oil. DW: 0. CW: 197,870.
- 08/17/83 5198' PBTD, pumped 60 BO & 18 BW in 13 hrs. % grind out @ gauge time 82%. Down 11 hrs due to flow line plumbing & balancing pumping unit.
- 08/18/83 5198' PBTD, pumped 106 BO & 13 BW in 19 hrs. Early gauge. % grind out @ gauge time 84%.
- 08/19/83 5198' PBTD, pumped 101 BO & 1 BW in 25 hrs. % grind out @ gauge time 99%.
- 08/20/83 5198' PBTD, pumped 119 BO & 2 BW in 24 hrs. % grind out @ gauge time 98%.
- 08/21/83 5198' PBTD, pumped 103 BO & 1 BW in 24 hrs. % grind out @ gauge time 99%.
- 08/22/83 5198' PBTD, pumped 142 BO & 2 BW in 24 hrs. % grind out @ gauge time 96%. IP Morrow pumping oil well for 114 BOPD & 4 BWPD (av rate last 5 days). FINAL REPORT!!!

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Date: SEP 1 1984

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SEP 12 1984

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