

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

API NO. 15-077-01.006...0001
County...Harper
SW..SW..SE Sec..2.. Twp 32..Rge.7... East
X West

Operator: License # 5171
Name TXO Production Corp.
Address 155 N. Market
Suite 1000
City/State/Zip Wichita, KS 67202

330 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser Peoples Natural Gas

Lease Name Williams "OO" Well #1
Field Name Wildcat Harper

Operator Contact Person Jeffrey S. Childs
Phone 316-269-7662

Producing Formation INFORMATION TITE STALJAKCO

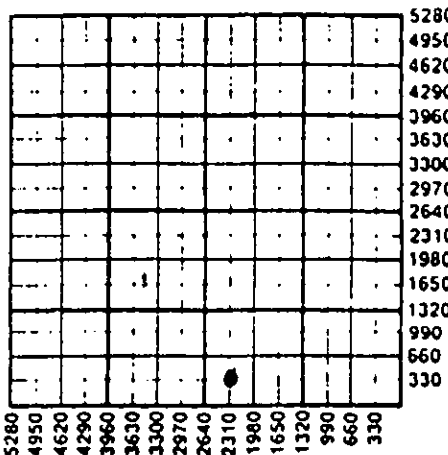
Elevation: Ground 1428' KB 1433'

Contractor: License # 5418
Name Allen Drilling Company

Wellsite Geologist Jon Christensen
Phone 316-269-7600

Designate Type of Completion
New Well Re-Entry X Workover
Oil SWD Temp Abd
X Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)

Section Plat



If ON/O: old well into as follows:
Operator Arvel Smith, et al.
Well Name Williams #1
Comp. Date 12-13-60 Old Total Depth 4776'

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY

Drilling Method: X Mud Rotary Air Rotary Cable
7-23-87 7-25-87 8-06-87
Spud Date Date Reached TD Completion Date
3729' 3687'
Total Depth PBTD 8-5/8"
Amount of Surface Pipe Set and Cemented at 240 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit # T87-294
X Groundwater 330 Ft North from Southeast Corner
(Well) 2310 Ft West from Southeast Corner of
Sec 2 Twp 32SRge 7 East X 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 triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 Doug Clark
Title District Geologist Date 10/5/87

Subscribed and sworn to before me this 5th day of October 1987
Notary Public Nancy K. Lay
Date Commission Expires January 30, 1988

NANCY K. LAY
NOTARY PUBLIC
My Appl. Exp. 1/30/88

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
1987 (Specify)

Operator Name TXO Production Corp. Lease Name Harper 15-077-01008-0001
Sec. 2 Twp. 32S Rge. 7 East West County Harper

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 No
Samples Sent to Geological Survey Yes No
Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Heebner	3212	-1779
Toronto	3225	-1792
Douglas Sh	3320	-1887
Upper Stalnaker	3522	-2089
L. Stalnaker SS	3546	-2113
Base Stalnaker	3642	-2209

RELEASED

NOV 11 1989

FROM CONFIDENTIAL

CASING RECORD New 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	9 5/8			240		200	
Production		4 1/2	10.5	3701'	Class A	200	

PERFORATION RECORD
Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth

4 JSPF	3546-52' Stalnaker	1 bbl fresh water + 250 gals 10% acetic acid	
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TUBING RECORD
Size Set At Packer at Liner Run Yes No

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

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
		6.03			

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

Well is shut-in as of 8/6/87.

BJ-TITAN SERVICES COMPANY

ORIGINAL

Copy

DATE OF JOB
MM DD YY
7 25 87

CONTRACT NO
388804

DIRECT CORRESPONDENCE TO: P.O. BOX 4442 HOUSTON, TX 77210	TERMS: NET 30 DAYS FROM DATE OF CONTRACT	REMIT TO: P.O. BOX 200416 HOUSTON, TX 77216
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ORDER NO.

CUSTOMER	
NAME TXO Prod Corp	NO. 09030270
ADDRESS Market Centre Building #1000	
CITY Wichita	STATE KS
ZIP CODE 67202	
AUTHORIZED BY Aerry Collins	
JOB INFORMATION	
ARRIVED	RELEASED
HH MM P 11:30	MM DD YY 7 24 87
HH MM A 5:30	MM DD YY 7 25 87
JOB CODE 0105	TYPE OF JOB Production String
AVG. PSI	WORKING WELL DEPTH FT.
BUSINESS CODE	INJ. RATE (BPM) 5

DESCRIPTION OF WELL			
WELL NO. Q-Q Wash	OIL YES	NEW X	STATE KANS
LEASE NAME Williams	COUNTY/PARISH HARPER	CODES 15	
FIELD NAME	CITY		
OWNER TXO Prod Corp	MTA DISTRICT		
LEASE LINES			
SURVEY LINES			
SURVEY			
DIRECTIONS TO LOCATION Harper Act. 1/2w 1/4N			
SECTION, TOWNSHIP, RANGE 2-32-7W			
QUADRANT			

DIST. NO. 330	DISTRICT NAME Medicine Lodge	SLSMAN NO.
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CONTRACT CONDITIONS

This contract must be signed before the job is started or merchandise delivered. The undersigned is authorized to execute this contract as an Agent of the Customer. As such, the undersigned acknowledges that this contract for services, materials, products and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional substitute terms and/or conditions shall become a part of this contract without the written consent of an Officer of BJ-TITAN SERVICES COMPANY.

SIGNED: Aerry W. Collins
(WELL OWNER: OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	SERVICES/MATERIAL	SUM	QUANTITY	PRICE	EXTENSION
01 10100320	3001' to 5000'	E	1	879 00	879 00
02 10100325	Per 100'	E	7.01	9 80	68 70
03 10109005	PTM Roundtrip	E	72	1 10	79 20
04 10410504	CLASS A	S	200	5 30	1060 00
05 10428048	KEL	C	1.0	20 00	20 00
06 10425010	Mud sweep (Reg)	G	300	1 45	435 00
07 10422507	FL-19	L	141	6 35	895 35
08 10424520	FR-6	L	28	2 00	56 00
09 10430508	4 1/2 top rubber	E	1	40 00	40 00
10 10940101	Hauling cement 9.536 Miles	E	342	70	239 40
11 10880085	H ₂ O	Q	200	95	190 00
12 10933013	Insert valve 4 1/2	E	1	144 90	144 90
13 10433044	BASKET 4 1/2	E	2	108 00	216 00
14 10433050	Centralizers 4 1/2	E	4	42 30	169 20
15	STATE CORRECTION		Q	(808.69)	4492 75
16	Bid Price 1987				3684 06

SERVICE REPRESENTATIVE	PR. BOOK	The above material and service ordered by the customer and supplied by	DISION	<u>Aerry W. Collins</u> (WELL OWNER: OPERATOR, CONTRACTOR OR AGENT)
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RELEASED

11 1989

FROM CONFIDENTIAL

Date 7-25-87 District M.L. Ticket No 3888M
 Company FXC Prod Corp Rig _____
 Lease Williams Washdown Well No R-2
 County Harper State _____
 Location Harper Jct 1/2 W 1/4 N Field _____

CASING DATA PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type _____ Weight 12.5 Collar _____
91 jts of 4 1/2 casing

Casing Depths Top _____ Bottom 3701'

Drill Pipe Size 4 1/2 Weight _____ Collars _____
 Open Hole Size _____ TD _____ ft PB to _____ ft

CAPACITY FACTORS

Casing	Bbls Lin ft	<u>.0159</u>	Lin ft Bbl	<u>62.69</u>
Open Holes	Bbls Lin ft	<u>.0602</u>	Lin ft Bbl	<u>16.59</u>
Drill Pipe	Bbls Lin ft		Lin ft Bbl	
Annulus	Bbls Lin ft	<u>.0406</u>	Lin ft Bbl	<u>24.64</u>
	Bbls Lin ft		Lin ft Bbl	

Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA
 Spacer Type 10 bbls 2 3/8 KCL - 300 gals Mud
 Amt _____ Sks Yield _____ ft sk Density _____
 LEAD Pump Time _____ hrs Type CLASS A
3/4 c 10% FL-19 Excess _____
 Amt 200 Sks Yield 1.18 ft sk Density 16.0
 TAIL Pump Time _____ hrs Type _____
 Excess _____
 Amt _____ Sks Yield _____ ft sk Density _____
 WATER Lead 10.34 gals sk Tail _____ gals sk Total 24

Pump Trucks Used C-7-41
 Bulk Equip T-9-3

Float Equip Manufacturer Baker
 Shoe Type Regular Depth 3701
 Float Type Flapper Depth 3687
 Centralizers Quantity 4 Plugs Top Btm _____
 Stage Collars NONE
 Special Equip NONE
 Disp Fluid Type Fresh Amt 58 1/2 Bbls Weight _____
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE Jerry Collins

CEMENTER Dean Saterer

TIME AM PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
<u>12:16:30</u>						<u>ARRIVE ON LOC - RIG UP</u>
<u>4:20</u>						<u>BREAK CIRCULATION</u>
<u>4:53</u>	<u>100</u>					<u>START 2 3/8 KCL FLUSH</u>
<u>4:55</u>	<u>400</u>		<u>10</u>	<u>10</u>	<u>5</u>	<u>FLUSH - START MUD SWEEP</u>
<u>4:57</u>	<u>600</u>		<u>17</u>	<u>7</u>	<u>3 1/2</u>	<u>SWEEP IN - START CEMENT</u>
<u>5:03</u>	<u>500</u>		<u>54</u>	<u>42</u>	<u>7</u>	<u>CEMENT MIX - WASH TIEBACK OUT</u>
<u>5:05</u>						<u>START DISPLACEMENT</u>
<u>5:25</u>	<u>1100</u>		<u>118</u>	<u>59</u>	<u>4</u>	<u>plug down job complete</u>

DATE OF REPORT 7-25-1987
 LOCATION LOT 6
 OPERATOR WILLIAMS WASHDOWN
 DIVISION CEMENTATION DIVISION
 OFFICE Wichita, Kansas

INITIAL END PRESS. 600 PSI BUMP PLUG TO 1100 PSI BLEEDBACK NONE BBLs THANK YOU DL

RELEASED
 11 1989
 FROM CONFIDENTIAL

Copy

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ZIP CODE 67202	
AUTHORIZED BY Derry Collins	

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LEASE NAME Williams		COUNTY/PARISH HARPER	
FIELD NAME		CITY	
OWNER TXO Prod Corp		MTA DISTRICT	
LEASE LINES			
SURVEY LINES			
SURVEY			
DIRECTIONS TO LOCATION Harper Act 1/2w 1/4N			
SECTION, TOWNSHIP, RANGE 2-32-7w			
QUADRANT			

JOB INFORMATION		ROUND TRIP-MILES	
ARRIVED		RELEASED	
HH 11	MM 30	MM 7	DD 24
YY 87	HH 5	MM 30	DD 7
YY 87	YY 87	YY 87	YY 87
JOB CODE 0105	TYPE OF JOB Production String	API OR IC NO.	
AVG. PSI	BUSINESS CODE	INJ. RATE (BPM) 5	WORKING WELL DEPTH FT.

DIST. NO. 330	DISTRICT NAME Medicine Lodge	SLSMAN NO.
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WELL OWNER, OPERATOR, CONTRACTOR OR AGENT

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15				Disc (808.69)	4492 75
16				Bid Price COMMISSION	3684 06

SERVICE REPRESENTATIVE	PR. BOOK	The above material and service ordered by the Customer and received by	1987 <u>Derry W. Collins</u> WELL OWNER, OPERATOR, CONTRACTOR OR AGENT
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RELEASED

1987 11 1989

FROM CONFIDENTIAL