

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5171
Name TXO PRODUCTION CORP
Address 1660 Lincoln Street, Suite 1800
Denver, CO 80264
City/State/Zip

Purchaser Union Oil of California

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

Contractor: License # 6033
Name MURFIN DRILLING

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 OWN: old well info as follows:
Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
3/04/88 3/14/88 4/15/88
Spud Date Date Reached TD Completion Date
5260' 5219'
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 494 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1948 feet
If alternate 2 completion, cement circulated
from 1948 feet depth to surface, 425 SX cmt
Cement Company Name Dowell
Invoice # 03-12-0770

API NO. 15-199-20,145-00-00

County WALLACE

IRREGULAR Sec 25 Twp 15 Rge 43 East West

4950' Ft North from Southeast Corner of Section
360' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

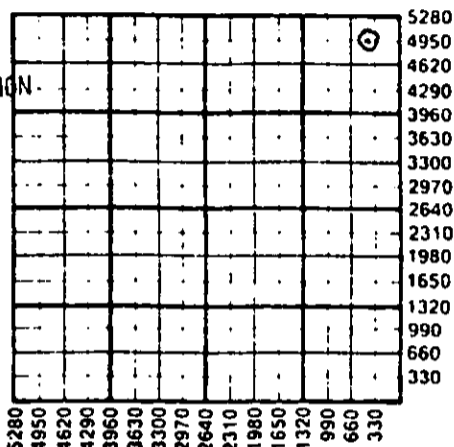
Lease Name WHITE "AN" Well # 1-X

Field Name Arapahoekan

Producing Formation Morrow

Elevation: Ground 3917 KB 3925'

Section Plat



RECEIVED
JUL 25 1988
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
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) Hauled
(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 Frank D. Tsuru
Title Drilling & Production Engineer Date 7/14/88

Subscribed and sworn to before me this 14th day of JULY 1988
Notary Public
Date Commission Expires 11/25/92

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 (Specify)
7-25-88

Sec 25 Twp 15 Rge 43 East West

SIDE TWO

Operator Name TXO PRODUCTION CORP. Lease Name WHITE "AN" Well # 1-X

Sec. 25 Twp. 15 Rge. 43 East West WALLACE County

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
Base Stn Corral	2816	
Topeka	3924	
Lansing	4248	
Marmaton	4630	
FT Scott	4711	
Cherokee	4765	
Atoka	4898	
Morrow	5058	
L. Morrow SD	5172	
L. Morrow LS	5180	
Mississippian	5188	

CASING RECORD <input 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#	494.83	Class H	275	3% CaCl2
PRODUCTION	7-7/8"	4-1/2"	10.5	5300'	50-50poz	200	5% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	5170-5180			Acidize w/1000 gal 7% MSR-		150 5170	
				frac w/22,500 # 20/40 sd		5170	
TUBING RECORD		Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2-3/8"	5156'	NONE			
Date of First Production		Producing Method					
3/23/88		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
		85 Bbls	0 MCF	60 Bbls	N/A CFPB	40°	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)5170-5180!.....
 Used on Lease Dually Completed
 Commingled

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

OILFIELD SERVICES
INDUSTRIAL SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.
03-12-0770

DSI SERVICE LOCATION NAME AND NUMBER
ULYSSES, KS. 03-12

CUSTOMER NUMBER: _____ CUSTOMER P.O. NUMBER: _____
TYPE SERVICE CODE: **305** BUSINESS CODES: _____
WORKOVER NEW WELL OTHER API OR IC NUMBER: _____

CUSTOMER'S NAME: **TXO**
ADDRESS: _____
CITY, STATE AND ZIP CODE: _____

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS
ARRIVE LOCATION: MO. **5** DAY **5** YR. **88** TIME **0900**

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.
CEMENT 2ND STAGE 4/4255x DSLW3-H, 1/2" D29

SERVICE ORDER AND RECEIPT
I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

Max Press. 3000 PSI
STATE: **Ks.** CODE: **15** COUNTY/PARISH: **WALLACE** CODE: _____ CITY: _____

JOB COMPLETION: MO. **5** DAY **5** YR. **88** TIME **1500**
SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: *Allen Rich*

WELL NAME AND NUMBER / JOB SITE: **WHITE ANX #1** LOCATION AND POOL / PLANT ADDRESS: **SEC 25-15S-43W** SHIPPED VIA: **DS**

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
048253-000	Pump Truck	EA	1		904.00
059200-001	Pump MILEAGE	mi	82	2.20	180.40
049102-000	Haul 39,497' 82 m.	Tm	1616	.75	1212.00
049100-000	SERVICE CHARGE	cu/ft	425	.95	403.75
100901-125	LIGHTWEIGHT 3(H)	SK	425	5.80	2465.00
044003-025	D29 CELLOFLAKE	lb	213	1.20	255.60
067011-002	M117 POTASH	lb		.20	
025005-001	SAND	SK	20	10.00	20.00

ORDER AND RECEIPT

RECEIVED
STATE CORPORATION COMMISSION
JUL 25 1988
CONSERVATION DIVISION
Wichita, Kansas

THANKS FOR USING DS!

SUB TOTAL				FIELD EST. \$ 5440.75	
LICENCE/REIMBURSEMENT FEE					
LICENCE/REIMBURSEMENT FEE					
REMARKS:	STATE	% TAX ON \$			
	COUNTY	% TAX ON \$			
	CITY	% TAX ON \$			
	SIGNATURE OF DSI REPRESENTATIVE			TOTAL \$	

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 3-12-0772 DATE 6-5-88
 DISTRICT JESSIES, KS.

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. **WHITE ANX #1** LOCATION (LEGAL) **Sec 25-15S-43W** RIG NAME: **Murfin**
 FIELD-POOL _____ FORMATION _____
 COUNTY/PARISH **WALLACE** STATE **Ks.** API. NO. _____

NAME **TXO** AND _____
 ADDRESS _____
 ZIP CODE _____

SPECIAL INSTRUCTIONS _____

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE **5198** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²) _____
 PRESSURE LIMIT **3000** PSI BUMP PLUG TO _____ PSI
 ROTATE _____ RPM RECIPROCATE _____ FT No. of Centralizers _____

ARRIVE ON LOCATION TIME **0900** DATE **6-5-88** LEFT LOCATION TIME **1500** DATE **6-5-88**

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	
0001 to 2400					INJECT RATE	FLUID TYPE	FLUID DENSITY	
0951	100				4	H ₂ O	8.3	PRE-JOB SAFETY MEETING
1013	750			74				START PUMP / Circ. CSG.
1015	1000							STOP PUMP
1017	1000							TEST BRIDGE PLUG
1021	600				2 3/4	H ₂ O	8.3	RELEASE PRESSURE
1028	600			17				START PUMP / SPOT SAND
1144	250							STOP PUMP
1147	600				2 1/2	H ₂ O	8.3	OPEN SLIDING SLEEVE
1148	610		131		2 1/2	Cm	13.0	START PUMP
1203	950		50		1 1/2			START CEMENT - 420 STATE CORPORATION COMMISSION
1323	860		7 1/2	131	2			SLOW PUMP RATE
1329	560		7					START DISPLACEMENT JUL 25 1988
1330	400				1			STOP PUMP / CLOSE SLEEVE
1410								PRESSURE UP TUBING
								SLEEVE WON'T CLOSE CONSERVATION DIVISION Wichita, Kansas
								RIG DOWN

REMARKS _____

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	425	1.73	LIGHTWEIGHT 3-P, 2" D29		131	130
2.						
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE **H₂O** VOLUME _____ DENSITY _____ PRESSURE _____ MAX. 1000 MIN:
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls.
 BREAKDOWN **800** PSI FINAL **560** PSI DISPLACEMENT VOL. **7** Bbls. TYPE OIL STORAGE BRINE WATER
 Washed Thru Perfs YES NO TO _____ FT MEASURED DISPLACEMENT WIRELINE OF WELL GAS INJECTION WILDCAT

PERFORATIONS _____ TO _____ TO _____ CUSTOMER REPRESENTATIVE **A. Dick** DS SUPERVISOR **D. SHARP**



Kansas Corporation Commission

MIKE HAYDEN GOVERNOR
KEITH R. HENLEY CHAIRMAN
RICH KOWALEWSKI COMMISSIONER
MARGALEE WRIGHT COMMISSIONER
JUDITH McCONNELL EXECUTIVE DIRECTOR
FRANK A. CARO, JR. GENERAL COUNSEL

CONSERVATION DIVISION
SHARI M. FEIST, DIRECTOR
200 Colorado Derby Bldg.
202 W. 1st Street
Wichita, KS 67202-1286
(316) 263-3238

August 1, 1988

Re: White "AN" 1-X
API No. 15-199-20145
NE NE NE 25-15-43W
Wallace County

TXO Production Corp.
Attn: Frank Tsuru
1660 Lincoln Street, Suite 1800
Denver, Colorado 80264

Dear Mr. Tsuru:

We have received the cementing service report on the White "AN" 1-X for confirmation of the Alternate 2 or upper stage cementing. The report shows that you lost circulation and did not circulate cement to surface.

K.A.R. 82-3-106 (b)(B)(i) requires cement be circulated to surface. We can grant an exception to this rule if all fresh and usable waters are protected. Before we grant this exception we need some proof as to where this cement is located.

In order to verify where the cement is located, we are requesting either a temperature survey or bond log be submitted to this office within 30 days of the date of this letter. Should you have any questions please feel free to contact me. Thank you for your cooperation in this matter.

Sincerely,

Handwritten signature of Dennis Anderson in cursive.

Dennis Anderson
Engineer

cc: D.O. 4
Kathy Carlisle
file

DA/ls



TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

15-199-20145-00-00

August 16, 1988

Kansas Corporation Commission
200 Colorado Derby Building
Wichita, Kansas 67202

Attention: Mr. Dennis Anderson

Re: White AN-1X
API 15-199-20145
NE NE NE
Section 25-15S-43W
Wallace County, Kansas

Dear Mr. Anderson:

Regarding your letter dated August 1, 1988, a cement bond log was run on the above referenced well. The cement top was found to be at 1440'. TXO is hereby requesting an exception to K.A.R. 82-3-106 (b)(B)(i).

Per your conversation with Jerry Collins of this office, a cement top of 1440' insures that all fresh and usable waters are protected. Please review the bond log enclosed and if you have any questions regarding these operations, please feel free to contact me at the above address.

Sincerely,

TXO PRODUCTION CORP.

Frank D. Tsuru

Frank D. Tsuru
Drilling and Production Engineer

FDT/nlg

Enclosure

RECEIVED
STATE CORPORATION COMMISSION

AUG 25 1988

CONSERVATION DIVISION
Wichita, Kansas

