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COPY 1168

CONFIDENTIAL

APR 30 1991

SIDE ONE

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

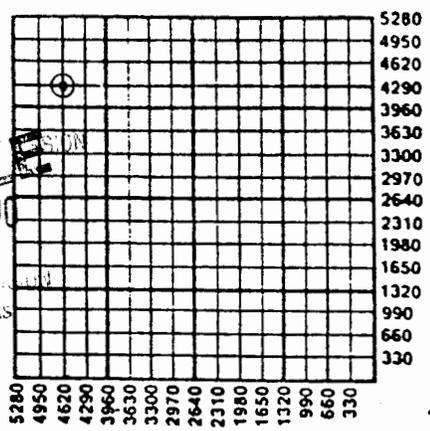
Operator: License # 5171
Name: TXO PRODUCTION CORP.
Address 1660 Lincoln Street
Suite 1800
City/State/Zip Denver, Colorado 80246
Purchaser: Kansas Natural
Operator Contact Person: Cory West
Phone (303) 861-4246
Contractor: Name: DUKE DRILLING CO., INC.
License: 5929
Wellsite Geologist: Tom Williams

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

If OWM: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
1/26/90 2/7/90 2-21-90
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22,279 FROM CONFIDENTIAL
County Barber
S/2 NW NW Sec. 33 Twp. 33S Rge. 13 East West
4290 Ft. North from Southeast Corner of Section
4620 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Spriggs "D" Well # 1
Field Name Aetna
Producing Formation Mississippian
Elevation: Ground 1717' KB 1725'
Total Depth 5100' PBTD 4897'



Amount of Surface Pipe Set and Cemented at 375 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 [Signature]
Title Drilling & Production Engineer Date _____
Subscribed and sworn to before me this 11 day of April,
19 90.
Notary Public Jessie A. Parker
Date Commission Expires 11-03-92

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)

SIDE TWO

Operator Name TXO PRODUCTION CORPORATION Lease Name Spriggs "D" Well # 1
 Sec. 33 Twp. 33S Rge. 13 East County Barber
 West

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.

MAR 30 1991

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	FROM CONFIDENTIAL	Formation Description																											
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample																											
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																													
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																													
DST #1 3958-92, 30/60/45/90, ga 42.5 MCFP, rec: 70' 6cm SIP 1338-1510, FP 101-101/101-101			<table border="0"> <tr> <td>Name</td> <td>Top</td> <td>Bottom</td> </tr> <tr> <td>Kanwaka Sh</td> <td>3758 -</td> <td>2033</td> </tr> <tr> <td>Heebner</td> <td>3953 -</td> <td>2228</td> </tr> <tr> <td>Snyderville SS</td> <td>3964 -</td> <td>2239</td> </tr> <tr> <td>LKC</td> <td>4128 -</td> <td>2403</td> </tr> <tr> <td>Swope</td> <td>4525 -</td> <td>2800</td> </tr> <tr> <td>Miss</td> <td>4680 -</td> <td>2955</td> </tr> <tr> <td>Kh Sh</td> <td>4904 -</td> <td>3179</td> </tr> <tr> <td>Viola</td> <td>5001 -</td> <td>3276</td> </tr> </table>	Name	Top	Bottom	Kanwaka Sh	3758 -	2033	Heebner	3953 -	2228	Snyderville SS	3964 -	2239	LKC	4128 -	2403	Swope	4525 -	2800	Miss	4680 -	2955	Kh Sh	4904 -	3179	Viola	5001 -	3276
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DST #2 4737-80, 30/60/60/120, rec: 20' mud, no show. SIP 213-1165, FP 91-91/91-91																														

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	12 1/2"	8-5/8 New	24#	378'	Lite/ Class A	200+75	3% CaCl
Production	7-7/8"	4 1/2" Used	10.5	4943' DV Tool	Surefill @ 4162; 60/40 poz	100 225.	6# Gilsonite 6% Gel.

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1 SPF	4690 - 4700	2000 gals - 15% HCL	
1 SPF	4742 - 4746		
2 SPF	4746 - 4754	Frac'd w/ 20,000# 100 Mesh sd.	
1 SPF	4754 - 4760	158,700# 16-30 sd. 40 Q CO2	

TUBING RECORD Size 2-3/8" Set At 4623' Packer At - Liner Run Yes No

Date of First Production 3-15-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Approx.	Oil Bbls. Trace	Gas Mcf 900	Water Bbls. 15±	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____

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33-33-13W RELEASED

APR 30 1991

FROM CONFIDENTIAL

DRILLER'S WELL LOG

TXO PRODUCTION CORPORATION
SPRIGGS "D" #1
Section 33-33S-13W
Barber County, Kansas.

COMMENCED: January 26, 1990
COMPLETED: February 7, 1990

0' - 975' Surface
975' - 1096' Shale
1096' - 1925' Shale w/Lime Streaks
1925' - 2530' Shale & Lime
2530' - 3190' Lime & Shale
3190' - 3745' Shale & Lime
3745' - 4350' Shale & Lime
4350' - 4780' Lime & Shale
4780' - 5100' Lime & Shale
5100' RTD

Surface Casing: Set 9 jts.
8-5/8"x24# at 378' with 200
sacks Lite and 75 sacks Class "A"
2% gel, 3% cc.

Production Casing: Set 121 jts.
4 1/2" at 4937'; 1st Staged with
100 sacks Surefill; 2nd Staged
with 225 sacks 60/40 Pozmix.

AFFIDAVIT

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

TIGHT HOLE

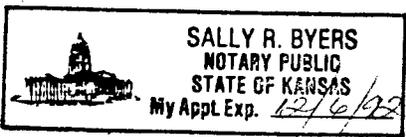
Ralph R. Hamilton, of lawful ages, does swear and state that
the facts and statements herein are true and correct to the best of his knowledge.

FEB 16 1990

CONFIDENTIAL DIVISION
Wichita, Kansas

Ralph R. Hamilton
Ralph R. Hamilton

Subscribed and sworn to me this 16th day of February 1990.


SALLY R. BYERS
NOTARY PUBLIC
STATE OF KANSAS
My Appl Exp. 12/6/92

Sally R. Byers
Sally R. Byers NOTARY PUBLIC

My Commission Expires: December 6, 1992 .