

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 155 N. Market, Suite 1000  
City/State/Zip Wichita, Kansas 67202

Operator Contact Person Doug Clark  
Phone 316 269-7600

Contractor: License # 5107  
Name H-30 Drilling Co., Inc.

Wellsite Geologist Earl Moore  
Phone 316 775-6521  
D & A

PURCHASER

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

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
8-12-85 8-20-85 D & A 8-21-85  
Spud Date Date Reached TD Completion Date  
3850' N/A  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at 8-5/8" @ 442' feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated N/A  
from feet depth to w/ SX cmt

API No. 15-007-22,052-00-00  
County Barber  
approx SE NE 15 33S 12  East  
Sec Twp Rge  West

3040 Ft North from Southeast Corner of Section  
920 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

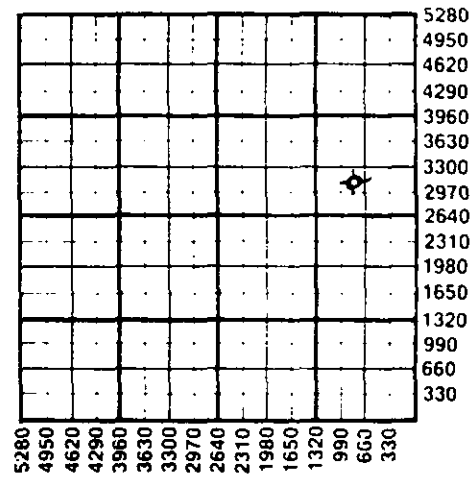
Lease Name Harbaugh Well # 1

Field Name Undesignated

Producing Formation Dry

Elevation: Ground 1431 1440 KB

Section Plat



WATER SUPPLY INFORMATION

Source of Water: N/A  
Division of Water Resources Permit #  
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner 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) (purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring  
Docket # None

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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 1-27-86

Subscribed and sworn to before me this 27 day of January 1986

Notary Public Stephanie R. Stuber  
Date Commission Expires



JAN 31 1986

1-319960

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)

Operator Name TXO Production Corp. Lease Name Harbaugh Well # 1 SEC. 15 TWP. 33S RGE. 12W  East  West

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

DST #1, 2600-65' (Indian Cave):  
 IFP/30"=23-69 psig, weak incr to strong blow.  
 ISIP/60"=1085 psig.  
 FFP/45"=103-183 psig, weak incr to fair blow.  
 FSIP/90"=1073 psig.  
 Rec: 140' MW + 240' SW  
 (Cl-=97,000 ppm)

DST #2, 3711-22' (Douglas Sand):  
 IFP/30"=69-69 psig.  
 GTS in 5". Gauged 21.8 MCFD decr to 15.7 MCFD  
 ISIP/60"=958 psig.  
 FFP/45"=80-126 psig.  
 Gauged 15.7 MCFD decr to 4.8 MCFD.  
 FSIP/90"=993 psig.  
 Rec: 15' DM + 60' SOCM (2% oil) + 120' SLOCW  
 (1% oil) + 120' SW.  
 (Cl-=138,000 ppm)

Name	Top	Bottom
Hertha	1767	- 327
Towanda	1907	- 467
Ft. Riley	1965	- 525
Florence	1998	- 558
Wreford	2114	- 674
Council Grove	2137	- 697
Red Eagle	2370	- 930
Howard	2455	-1015
Onaga	2602	-1162
Wabaunsee	2658	-1218
Stotler	2806	-1366
Tarkio	2847	-1407
Topeka	3092	-1652
Kanwaka	3387	-1947
Elgin Sandstone	3450	-2010
Oread	3539	-2099
Heebner	3579	-2139
Douglas SS	3709	-2269
Lansing	3772	-2332
RTD	3850	
LTD	3849	

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	12-1/4"	8-5/8"	23#	442'	Lite Class A	225	3% CaCl

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
N/A			

TUBING RECORD

Size N/A Set At Packer at Liner Run  Yes  No

Date of First Production D & A 8-21-85 Producing Method  Flowing  Pumping  Gas Lift  Other (explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
N/A	N/A	N/A	N/A	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  Open Hole  Other (Specify)  Perforation  D & A 8-21-85

Dually Completed  Commingled



CARD MUST BE TYPED

State of Kansas  
NOTICE OF INTENTION TO DRILL  
(see rules on reverse side)

CARD MUST BE SIGNED

\*CORRECTION

8-15-85

Starting Date 8-12-85  
month day year

API Number 15-007-22,052-00.00

OPERATOR: License # 5171  
Name TXO Production Corp.  
Address 200 W. Douglas, Suite 300  
City/State/Zip Wichita, KS 67202  
Contact Person Jerry W. Collins  
Phone 316-265-9441

\* Approx SE NE Sec. 15 Twp. 33 S. Rg. 12 X East  
\* 3040 Ft. from South Line of Section  
\* 920 Ft. from East Line of Section  
(Note: Locate well on Section Plat on reverse side)

CONTRACTOR: License # 5107  
Name H-30 Drilling, Inc.  
City/State Wichita, KS

Nearest lease or unit boundary line 920 feet  
County Barber  
Lease Name HARBAUGH Well # 1  
Ground surface elevation TBD feet MSL  
Domestic well within 330 feet: yes X no  
Municipal well within one mile: yes X no  
Surface pipe by Alternate: 1 2  
Depth to bottom of fresh water 100  
Depth to bottom of usable water 200  
Surface pipe planned to be set 400  
Projected Total Depth 0 feet  
Formation Lansing

Well Drilled For: Well Class: Type Equipment:  
X Oil SWD Infield X Mud Rotary  
Gas Inj Pool Ext Air Rotary  
OWWO Expl Wildcat Cable

If OWWO: old well info as follows:  
Operator  
Well Name  
Comp Date Old Total Depth

I certify that well will comply with K.S.A. 55-101, et seq., plus eventually plugging hole to KCC specifications.

Date 8-13-85 Signature of Operator or Agent Title Drlg. & Completion Engr.

for KCC Use:  
Conductor Pipe Required feet; Minimum Surface Pipe Required feet per Alt. 1 2  
This Authorization Expires 6-3-85 Approved By

moved in SEE OTHER SHEETS

RECEIVED  
STATE CORPORATION COMMISSION

AUG 28 1985

CONSERVATION DIVISION  
Wichita, Kan.