

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 # 5447
Name OXY USA Inc.
Address P. O. Box 26100
Oklahoma City, OK 73126-0100
City/State/Zip

Purchaser Northern Natural Gas

Operator Contact Person Raymond Hui
Phone (405) 749-2471

Contractor: License # 3098
Name Exeter Drilling Company

Wellsite Geologist Robert Vick
Phone (405) 749-2455

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 Cities Service Oil Company
Well Name Smith T #1
Comp. Date 1961 Old Total Depth 6480'

WELL HISTORY

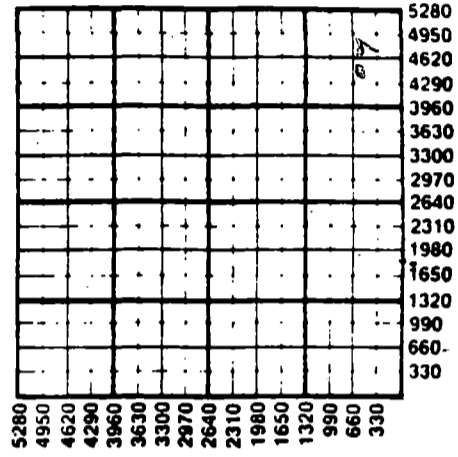
Drilling Method:
 Mud Rotary Air Rotary Cable
2-3-1988 2-4-1988 7-11-1988
Spud Date Date Reached TD Completion Date
Re-Entry
6480' 6426'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1606' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set DV Top 3379' feet
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt
Cement Company Name
Invoice #

API NO. 15-175-01002-0001
County Seward
SE/4 NE/4 NE/4 Sec. 32 Twp. 33S Rge. 33 East
4617 Ft North from Southeast Corner of Section
657 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Smith T Well # 1
Field Name Kansas Hugoton Gas
Producing Formation Chester
Elevation: Ground 2844' KB 2854'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
DEC 30 1988
OIL & GAS 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 # T88-46

Groundwater 4717' Ft North from Southeast Corner
(Well) 557' 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).....
(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 Bryan Humphries
Title Engineering Manager Date 8-11-1988

Subscribed and sworn to before me this 11th day of August 1988
Notary Public Marsha E. Wilson
Date Commission Expires 4-1-92

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rap NGPA
 KGS Plug Other (Specify)
12-30-88

Operator Name **OXY USA Inc** Lease Name **Smith T** Well # **1**

Soc. **32** Twp. **33S** Rge. **33** East West County **Seward**

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

Ran CBL/CET w/GR & CCL from 6426' to 1400'. TOC above 1400'.

Name	Top	Bottom
Marmaton	est.	5074
Morrow		5684
St Louis		6404
	TD	6480
	PBTD	6426

Production Casing Record

Cemented 1st stage w/500 gal mud flush, 50 sx C1 H Pozmix w/6% gel & 1/4# Flo., 210 sx 65/35 C1 H Pozmix w/6% gel + 1/4# Flo. and 430 sx 50/50 CL H Pozmix w/2% gel, 12% salt 0.5% Halad-9, 2% CaCl².

Cemented 2nd stage w/500 gal mud flush, 500 sx of 65/35 C1 C Poz. w/6% gel & 1/4# Flo. & 315 sx 50/50 C1 C Poz. w/2% gel, 5#/sx Cal-Seal, 0.4% Halad-4, 2% CaCl² + 1/4#/sx Flo.

CASING RECORD <input checked="" 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 Production	12-1/4" 7-7/8"	8-5/8" 5-1/2"	24# 15.5#	1606' 6479'	C1 H (Please refer to casing info above)	unknown	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
Shots Per Foot	Specify Footage of Each Interval Perforated						
4	Upper Chester (26' : 104 holes) 5986-6012'			250 gal. of 15% HM SCS-1 Acid from 6012 to 5742' Acidized w/2600 gal of 20% HCL			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer at					
2-3/8"		5969'					
Date of First Production	Producing Method						
Waiting for pipeline connection.	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity		
	CAOF 1570			CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify) 5986-6012
 Dually Completed Commingled