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

7959

Operator: License # ~~09012~~ 5447

Name: OXY USA INC.

Address P.O. BOX 26100

OKLAHOMA CITY, OK 73126-0100

City/State/Zip

Purchaser: Northern Natural

Operator Contact Person: RAYMOND HUI

Phone (405) 749-2471

Contractor: Name: Cheyenne Drilling Company

License: —

Wellsite Geologist: —

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
X Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator:

Well Name:

Comp. Date ____ Old Total Depth ____

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
____ Commingled Docket No.
____ Dual Completion Docket No.
____ Other (SWD or Inj?) Docket No.

10-2-92 Spud Date | 10-12-92 Date Reached TD | 1-28-93 Completion Date

API NO. 15- 055-21140 16-25-33W

County Finney

approx. ____ NW - SW - NE Sec. 16 Twp. 25S Rge. 33 X E W

3480 Feet from S/N (circle one) Line of Section

2600 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name McWilliams F Well # 3

Field Name Panoma

Producing Formation Council Grove

Elevation: Ground 2928' KB 2936'

Total Depth 3109' PBTD 3064'

Amount of Surface Pipe Set and Cemented at 1118 Feet

Multiple Stage Cementing Collar Used? ____ Yes X No

If yes, show depth set ____ Feet

If Alternate II completion, cement circulated from ____

feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan 2-4-93
(Data must be collected from the Reserve Pit)

Chloride content 9500 ppm Fluid volume 281 bbls

Dewatering method used By evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W

County Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report 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.

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 VIC TUMLINSON

Title DRILLING OPERATIONS MANAGER Date 1/28/93

Subscribed and sworn to before me this 28th day of January, 19 93.

Notary Public Tammy L Padilla

Date Commission Expires 8-21-96

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ____ Wireline Log Received
C ____ Geologist Report Received

Distribution
____ KCC ____ SWD/Rep ____ NGPA
✓ KGS ____ Plug ____ Other (Specify)

RECEIVED
STATE CORPORATION COMMISSION
FEB - 1 1993
CONSERVATION DIVISION
WICHITA, KANSAS

Form ACO-1 (7-91)

Operator Name OXY USA Inc. Lease Name McWilliams F Well # 3

☐ East
Sec. 16 Twp. 25S Rge. 33 ☒ West

County Finney

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 (Attach Additional Sheets.)	☐ Yes	☒ No
Samples Sent to Geological Survey	☒ Yes	☐ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy.)	☒ Yes	☐ No

List All E.Logs Run: Ran CCL w/GR and Compensated Neutron log

☐ Log Formation (Top), Depth and Datums ☒ Sample

Name	Top	Datum
Chase	2567'	
Council Grove	2815'	

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"	24#	1118'	Cl. C	525	6 % gel
Production	7 7/8"	5 1/2"	14#	3108'	Cl. C	550	2 % gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	2824-2844 ; 2850-2872;	Acidized w/5000 gal.	2824-2900'
	2877-2886 ; 2892-2900	7 1/2% FE acid	
		Frac'd w/44,300 gal. gel	
		and 152,000# of 12/20 Brady sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2911		☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. Waiting for PL connection

Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		465			

Disposition of Gas:
☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION
☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Production Interval
2824-2900'