

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 None- Well is on TA status

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

Contractor: License # 3098
Name Exeter Drilling Company

Wellsite Geologist Andrew Howell
Phone (405) 749-2000

Designate Type of Completion

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

If ONNO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: X Mud Rotary Air Rotary Cable
4-1-89 4-10-89 Pending
Spud Date Date Reached TD Completion Date
5110' 4884'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1406' feet
Multiple Stage Cementing Collar Used? X Yes No
If yes, show depth set DV tool @ 3283' feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt
Cement Company Name
Invoice #

API NO. 15-129-20972-0600
County Morton
Approx. NW/4 NE/4 NW/4 Sec. 33 Twp. 32S Rge. 42 East
X West

4950 Ft North from Southeast Corner of Section
3900 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

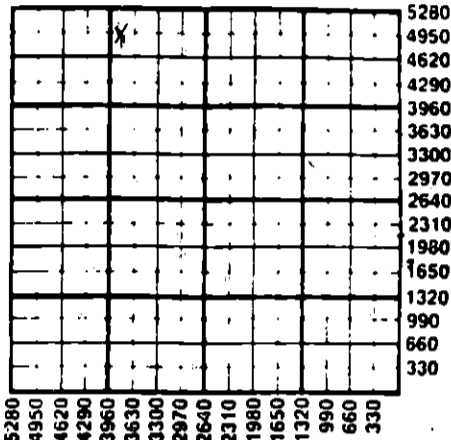
Lease Name Knoeber A Well # 2

Field Name W. Richfield

Producing Formation (TA - pending completion)

Elevation: Ground 3507' KB 3518'

Section Plat



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

X Other (explain) Provided by Driller
(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 6-21-1989

Subscribed and sworn to before me this 20th day of June 1989

Notary Public Marsha G. Wilson

Date Commission Expires 4-1-92

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
RECEIVED
JUN 23 1989 6-23-89
Form ACO-1 (5-86)

Operator Name OXY USA Inc Lease Name Knoeber A Well # 2

Sec. 33 Twp. 32S Rge. 42 East West County Morton

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 BHC Sonic w/GR & Caliper to 1406'. Ran Dual Induction SFL w/GR from 5053-1403'; BHC Sonic w/GR & Caliper from 5089-1403'; Comp. Neutron Litho. w/GR & Caliper from 5092-1403'; Micro from 5065-1403'. Tagged TOC at 4672'.

Name	Top	Bottom
Anhydrite	0	1400
Shale & Lime	1400	2380
Shale	2380	3295
Lime & Shale	3295	4020
Shale	4020	4903
Lime & Shale	4903	5110
PBTD		4884
TD		5110

* Production Casing & Cementing Information:

Cemented 1st stage w/500 gal. mud flush w/225 sx of Cl H Poz. containing 6% Total gel & 0.25/sx Flo. followed by 200 sx 50/50 Cl H Poz. containing 2% Total gel, 12% salt, 2% Ca Cl. Cemented 2nd stage as follows: 500 gal mud flush followed by 435 sx 65/35 Cl C Poz. containing 6% Total gel, 1/4#/sx Cello & 400 sx 50/50 Cl C Poz. containing 2% Total gel, 5#/sx Thixad, 0.4% CF-2 & 1/4#/s Cello.

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
Conductor Pipe	30"	20"		40'	grout	3.5 yd	
Surface	12-1/4"	8-5/8"	24#	1406'	Cl C	549	6% total gel
Production	7-7/8"	5-1/2"	14#	5108'			2% CaCl
				DV Tool at 3287'			
				*PLS refer to csg. info listed above.			
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	Morrow 4911-4915 (squeezed w/72 sx cmt. in formation & 28 sx cmt. in csg.)			600 gal. of 7-1/2% FE acid			
4	Morrow S-3 4911-4915' (4'; 16 holes)			Acidized w/600 gal 7.5% FE acid.			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production TA'd --		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Pending evaluation							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) Pending evaluation
 Used on Lease
 Dually Completed
 Conmingled

Set CIBP at 4900'; dumped 2 sx cmt. on CIBP.