

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

5

API NO. 15-...067-20769
County... Grant
Approx. E/2 SE/4 SE/4 Sec. 19 Twp. 28S Rge. 36 East
X West

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

660 Ft North from Southeast Corner of Section
500 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
(Formerly Spikes A #3)
Lease Name... Spikes B... Well #. 1

Purchaser... Permian & PEPL

Field Name... Kansas Hugoton Gas Athy. R.R. BEND

Operator Contact Person... Raymond Hui
Phone

Producing Formation... Morrow

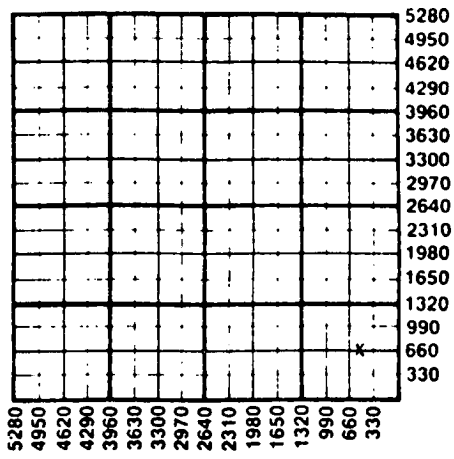
Elevation: Ground... 3088' KB... 3098'

Contractor: License # 3098
Name Exeter Drilling Company

Wellsite Geologist... Craig Corbett
Phone (405) 749-2000

Designate Type of Completion
X New Well Re-Entry Workover
X Oil SWD Temp. SWD
Gas Inj Delayed Comp.
Dry Other (Core, Water Supply, etc.)
If ONWO: old well info as follows:

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: T88-278
Division of Water Resources Permit #

X Groundwater 635 Ft North from Southeast Corner
(Well) 365 Ft West from Southeast Corner of
Sec 19 Twp 28S Rge 36 East X 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. #)

WELL HISTORY

Drilling Method: X Mud Rotary Air Rotary Cable
6-9-1988 6-21-1988 10-12-1988
Spud Date Date Reached TD Completion Date
6100' 6050'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1821 feet
Multiple Stage Cementing Collar Used? X Yes No
If yes, show depth set DV tool at 3117 feet
If alternate 2 completion, cement circulated
from... feet depth to... w/... SX cmt
Cement Company Name
Invoice # A/I

RECEIVED
STATE CORPORATION COMMISSION
2 1988
11-02-88
CONSERVATION DIVISION
Wichita, Kansas

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... 10-27-1988

Subscribed and sworn to before me this 27th day of October 1988
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 Timelog Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)
11-2-88 X (1)
Form ACO-1 (5-86)

Sec 19 Twp 28S Rge 36E

SIDE TWO

Operator Name OXY USA Inc Lease Name Spikes B Well # 1

Sec..... 19 Twp..... 28S Rge..... 36 East West County..... Grant

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 DIL-SFL w/SP & GR, BHC Sonic w/GR & Caliper, CNL-LDT w/GR & Caliper, Micro. w/GR & Caliper & Dipmeter.

Name	Top	Bottom
Red Bed	0	1050
Anhy.	1050	1822
Lime & Shale	1822	5575
Lime	5515	5760
Lime & Dol.	5760	6100

Production Casing & Cementing Info.:

Pumped 500 gal mud flush & cmt'd 1st stage w/395 sx 65/35 H Poz. w/6% total gel, 1/4#/sx flo. mixed at 12.4 ppg. followed by 510 sx 50/50 Cl H Poz. w/2% gel, 12% salt, 0.5 HALAD-9, 2% CaCl & 1/4## sx flo.

TD 6100'
 PBTD 6050'

Pumped 500 gal mud flush & cmt'd 2nd stage w/245 sx 65/35 Cl C Poz w/6% total gel & 1/4# sx flo. mixed at 12.2 ppg. followed by 490 sx 50/50 Cl C Poz w/2% total gel, 5#/sx Cal Seal, 0.4% HALAD-4, 2% CaCl, 0.125% supper CBL & 1/4#/sx flo.

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
Conductor Pipe	32"	30"		70'	Red-Mix	6 yd	
Surface	12-1/4"	8-5/8"	24#	1821'	Cl C	650	6% total gel, 2% CaCl ₂
Production	7-7/8" (DV tool at 3117')	5-1/2"	14#	6099'	PLS refer to cementing & csg. info. listed above.		

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	Upper Morrow 5302-10 (8' 33 shots)	None	

TUBING RECORD Size 2-7/8" Set At 5302' Packer at Liner Run Yes No

Date of First Production 10-12-1988 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	327 Bbls	1170 MCFPD on 20/64" MCF choke	77 Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 5302-10'
 Used on Lease Dually Completed Commingled