SIDE ONE

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

API NO. 15- 067-21065

County Grant

~~SW~~ NW SW NW Sec. 29 Twp. 29 Rge. 38 ___ East X West

~~2970'~~ 3630' Ft. North from Southeast Corner of Section

4950' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

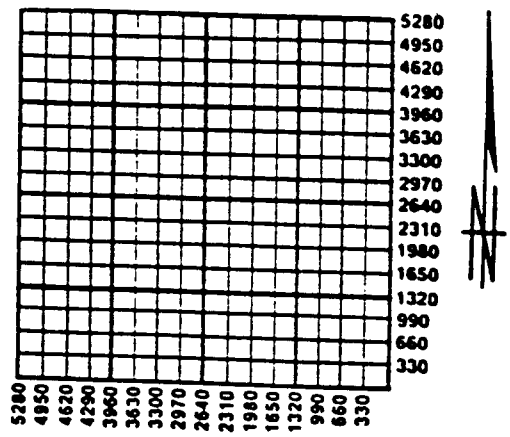
Lease Name W. B. Scherling Well # 29-2

Field Name Big Bow

Producing Formation St. Louis

Elevation: Ground 3126' KB 3137'

Total Depth 5800' PBTD 5726'



Amount of Surface Pipe Set and Cemented at 1798 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.

Operator: License # 5153

Name: Texaco, Inc.

Address P. O. Box 2700

City/State/Zip Pampa, TX 79066-2700

Purchaser: Texaco Trading & Transportation

Operator Contact Person: J. M. Barnum

Phone (806) 665-1876

Contractor: Name: H-30

License: 5107

Wellsite Geologist: Mark Lehrer

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

X Oil ___ SWD ___ Temp. Abd.
___ Gas ___ Inj ___ Delayed Comp.
___ Dry ___ Other (Core, Water Supply, etc.)

If OWWO: old well info as follows:
Operator: ___

Well Name: ___

Comp. Date ___ Old Total Depth ___

Drilling Method:
X Mud Rotary ___ Air Rotary ___ Cable

7-27-90	8-6-90	8-11-90
Spud Date	Date Reached TD	Completion Date

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. ALL CEMENTING TICKETS MUST BE ATTACHED.** Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 J. M. Barnum

Title Area Manager Date 9/12/90

Subscribed and sworn to before me this 13th day of September, 19 90.

Notary Public Merle W. Jewell

Date Commission Expires 2-23-91

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)

SIDE TWO

Operator Name: Texaco, Inc. Lease Name: W. B. Scherling Well #: 29-2

Sec. 29 Twp. 29 Rge. 38 ☐ East ☒ West County: Grant

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

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
See Attachment		

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	24"	20"		40'	3-3/4 yds grout, 6 sks cement		
Surface	12-1/4"	8-5/8"	24#	1,798'	See Attachment		
Production	7-7/8"	5-1/2"	15.5#	5,798'	See Attachment		

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated
4	5668 - 5676

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)

Amount and Kind of Material Used	Depth
400 gals 10% acetic acid, 1 gal Pen 88 1 gal Lo Surf	259
1300 gals 15% HCL, 3 Gal Lo Surf 2 gals Pen 88 3 gals HAI 60 13# FER Check-A	259 Inhibitor

TUBING RECORD	Size	Set At	Packer At
	2-7/8"	5682'	None

Liner Run ☐ Yes ☒ No

Date of First Production: 8-13-90

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	308	0	92		47 @ 60°

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

METHOD OF COMPLETION: ☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled ☐ Other (Specify)

Production Interval

W. B. SCHERLING WELL NO. 29-2
API #15-067-21065
SECTION 29, T-29-S, R-38-W
GRANT COUNTY, KANSAS

Surface Casing Cement	Dowell Invoice no. 83-12-2872. 635 sacks 50/50 Poz, 4% gel, 2% Calc., 1/4# sack flocele, 180 sacks Class H, 2% Calc., 1/4# sack flocele
Production Casing Cmt	B-J Invoice no. VP064. 1st Stage: 390 sacks 50/50 Poz, 2% gel, 10% salt, 0.75% FL-50, 0.1% CD-31. 2nd Stage: 25 sacks 65/35 Poz, 6% gel, 240 sacks 50/50 Poz, 2% gel, 6% salt, 0.5% FL-50

Formation Description

Name	Top	Bottom
Harrington	2318	2337
Krider	2337	2407
Winfield	2407	2610
Council Grove	2610	
Lansing	3913	4500
Marmaton	4500	5040
Atoka	5040	5173
Morrow	5173	5422
Lower Morrow	5422	5542
Chester	5542	5572
St. Genevieve	5572	5618
St. Louis	5618	