

COPY SIDE ONE

2931

CONFIDENTIAL

2-27-12 RELEASED

NOV 03 1990

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

Operator: License # 9232

Name: Timberline Oil & Gas Corporation

Address 4447 S. Canyon Rd. - Suite 1

City/State/zip Rapid City, South Dakota
57702

Purchaser: Texaco Trading and Trans. Inc.

Operator Contact Person: Brant C. Grote

Phone (605) 341-3400

Contractor: Name: Lobo Drilling Company

License: 5864

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

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

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

11-09-90 11-14-90 11/25/90
Spud Date Date Reached TD Completion Date

API NO. 15- 151-22,018

County Pratt

NW SE NW Sec. 2 Twp. 27 Rge. 12 East West

3630 Ft. North from Southeast Corner of Section

3630 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

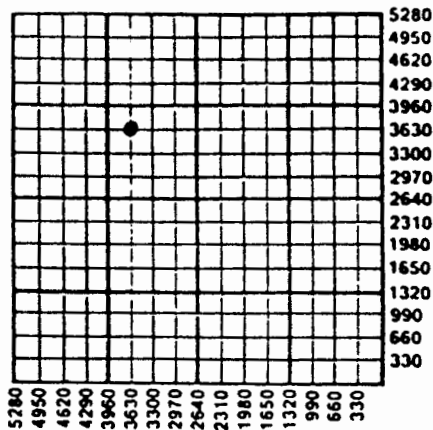
Lease Name E.B. Studer Well # 4

Field Name Stead So.

Producing Formation Mississippian

Elevation: Ground 1864 KB 1873

Total Depth 4280' PBDT 4273'



Amount of Surface Pipe Set and Cemented at 272' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt

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 Brant C. Grote
Title President Date 12/17/90

Subscribed and sworn to before me this 17th day of December, 19 90.

Notary Public Trudy A. Steig
Date Commission Expires 3/30/91

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
DISTRIBUTION
KCC _____ SWD/Rep _____ NGPA
KSS _____ Plug _____ Other (Specify) _____
DEC 20 1990

SIDE TWO

Operator Name Timberline Oil & Gas Corp. Lease Name E.B. Studer Well # 4
 Sec. 2 Twp. 27 Rge. 12 East County Pratt
 West

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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Name: <u>Mississippi Chert</u> Top: <u>4138'</u> Bottom: <u>4190'</u> RECEIVED JAN 03 1992 FROM CONFIDENTIAL
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Dual Induction Log
Dual Compensated Porosity Log

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 1/2"	8-5/8"	20#	272'	60/40poz	180	2% gel 3% cc
Production	7 7/8"	4 1/2"	10.5#	4289'	60/40pez ASC	75 50	20 Bbls. WFR-2

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4138-78'	1000 gal 15% HCl, 150000# sand, 1890 BBL 40# X-Link gelled KCl	4138-78'

TUBING RECORD Size 2 3/8 Set At 4112' Packer At — Liner Run Yes No

Date of First Production <u>11/30/90</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil <u>5</u> Bbls. Gas <u>10</u> Mcf Water <u>30</u> Bbls. Gas-Oil Ratio <u>2000</u> Gravity <u>42</u>

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

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled
 Other (Specify) STATE OF OKLAHOMA RECEIVED 4138-78'

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