

ORIGINAL

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- 151-21,974 -00-00

Operator: License # 9232

County Pratt
25'S & 100'W East
C-NE Sec. 3 Twp. 27 Rge. 12 West
3935 Ft. North from Southeast Corner of Section

Name: Timberline Oil & Gas Corp.
Address: 4447 S. Canyon Rd - Suite 1

1420 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

City/State/Zip Rapid City, SD 57702

Lease Name E.B. Studer B Well # 2

Purchaser: None

Field Name Stead So.

Operator Contact Person: Brant C. Grote

Producing Formation Mississippi

Phone (605) 341-3400

Elevation: Ground: 1882' KB 1889'

Contractor: Name: Duke Drilling Co., Inc.

Total Depth 4241' PBD 4241'

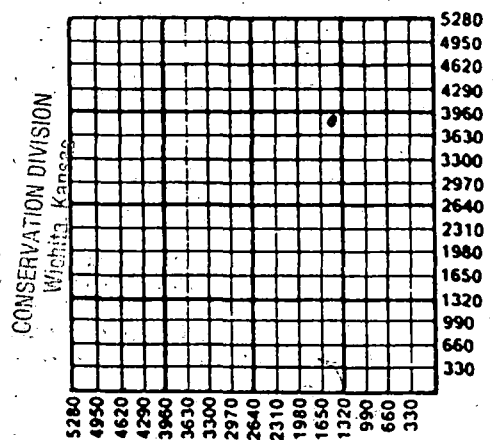
License: 5929

Wellsite Geologist: T.L. McCune

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

RECEIVED
STATE CORPORATION COMMISSION

FEB 9 1990



If OWMO: old well info as follows:
Operator: _____

Amount of Surface Pipe Set and Cemented at 253' Feet

Well Name: _____

Multiple Stage Cementing Collar Used? Yes No

Comp. Date _____ Old Total Depth _____

If yes, show depth set _____ Feet

Drilling Method:
 Mud Rotary Air Rotary Cable

If Alternate II completion, cement circulated from _____

12-31-89 1-5-90 1-22-90
Spud Date Date Reached TD Completion Date

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: 2/6/90

Subscribed and sworn to before me this 6th day of February, 19 90

Notary Public: Trudy K. Steiger
TRUDY K. STEIGER

Date Commission Expires: 3/30/96

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)

P1

ORIGINAL

SIDE TWO

Operator Name Timberline Oil & Gas Corp. Lease Name E.B. Studer B Well # 2

Sec. 3 Twp. 27 Rge. 12 East West
County Pratt

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
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

Dual Induction
Dual Compensated Porosity
Gamma Ray Neutron

Formation Description

Log Sample

| Name | Top | Bottom |
|-------------------|-------|--------|
| Mississippi chert | 4194' | 4230' |

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# | 253' | 60/40 poz | 180 | |
| Production | 7-7/8" | 5 1/2" | 14# | 4194' | ASC | 50 | |

| Shots Per Foot | PERFORATION RECORD Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|---|---------|
| Open hole | 4194-4241 | Frac w/ 35000# 20/40 and 15000# 1220 sand, 943 BB1 300g Acid | 4194-42 |
| 4 | 4053-57 | | 4053-57 |

TUBING RECORD Size Set At Packer At Liner Run Yes No
NONE

Date of First Production NONE Producing Method Flowing Pumping Gas Lift Other (Explain) NONE

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | Trace | 0 | 10 | | |

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 4194-4241 oil
4053-57. part

GREAT GUNS

Digital Log

DUAL COMPENSATED
POROSITY LOG

COMPANY: TIMBERLINE OIL & GAS
 WELL: E. B. STUDER B-2
 FIELD:
 COUNTY: PRATT

FILE NO.: GB 60759
 STATE: KANSAS
 COUNTRY: USA

LOCATION: 25'S & 100'W OF
 C - NE/4
 SEC: 3 TWP: 27S RGE: 12W

DATE: 01/04/90
 RUN NO.: 1

PERMANENT DATUM: GL
 DRILLING MEASURED FROM: KB
 LOG MEASURED FROM: KB
 ABOVE PERMANENT DATUM: 7.0

DEPTH--DRILLER: 4194.0
 DEPTH--LOGGER: 4198.0
 BOTTOM LOG INTERVAL: 4178.0
 TOP LOG INTERVAL: 3440.0

CASING DEPTH--DRILLER: 263.0
 CASING DEPTH--LOGGER: 263.0
 CASING DIAMETER: 8.625
 BIT SIZE: 7.875

UNIT NO.: 35
 LOCATION: GT. BEND
 RECORDED BY: BOB HARRELL
 WITNESSED BY: TERRY MCCUNE

ELEVATIONS:

KB: 1889.0
 DF: 0
 GL: 1882.0

SERVICES:

GR10
 BCN
 DENS
 DINL

SOFTWARE VERSION:
 412