

449493

SIDE TWO

Operator Name Teichgraeber-Brown Lease Name Lierz "A" Well # 1

Sec. 3 Twp. 3 Rge. 14 East West County Nemaha

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 [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

Formation Description [] Log [X] Sample

ST #1: 3589-3602 (Viola)-Misrun
ST #2: 3597-3604 (Viola)
30-30-30-60
Recovered 15 feet oil spotted mud
Flow pressures: 25-25; 25-25 psi
Shut-in; 25-25 psi
Hydrostatic: 1747-1732 psi
BHT: Not recorded

Table with 3 columns: Name, Top, Bottom. Rows include Lansing, Kansas City, Cherokee, Mississippian, Kinderhook, Hunton, Maquoketa, Viola, Simpson, Arbuckle.

CONFIDENTIAL

Table with 5 columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Row: Estimated Production Per 24 Hours, 4 Bbls, MCF, 400 Bbls, CFPB 27.5°

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [] Open Hole [X] Perforation

3602-3603 1/2

CASING RECORD [] New [] Used

Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Rows: Surface Production, Production.

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Table with 4 columns: Shots Per Foot, Specify Footage of Each Interval Perforated, (Amount and Kind of Material Used), Depth. Rows: 1, 1, Hydra-jet.

TUBING RECORD Size 2 7/8" Set At 1500' Packer at 4/A Liner Run [] Yes [X] No

Date of First Production December 1, 1985 Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (explain)