

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

COPY

Operator: License # 9313
Name: James D. Lorenz
Address 18080 Kiowa Rd.
City/State/Zip Parsons, KS 67357
Purchaser: Flint Hills Energy
Operator Contact Person: Jim Lorenz
Phone (316) 421-6906
Contractor: Name: Jim Lorenz
License: 9313
Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:
JOSEPH STUDEBAKER
Operator: _____
Well Name: Studebaker No. 1
was TA'd
Comp. Date _____ Old Total Depth 1165
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
7-28-97
8-1-97
Date of REENTRY Date Reached TD _____ Completion Date _____

API NO. 15- 205-010090000
County Wilson
N NE-NE-SE Sec. 20 Twp. 29 Rge. 15 XE
2400 Feet from SW (circle one) Line of Section
330 Feet from EW (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)
Lease Name Joe Studebaker Well # 1
Field Name "OWWO"
Producing Formation mulky Coal
Elevation: Ground 960 KB _____
Total Depth 1165 PBSD _____
Amount of Surface Pipe Set and Cemented at 20 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1155
feet depth to Surface w/ 130 sx cmt.

Drilling Fluid Management Plan REENTRY JK 4-10-98
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS BE ATTACHED. 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 [Signature]
Title _____ Date 10/14/97
Subscribed and sworn to before me this 14th day of October, 19 97.
Notary Public [Signature]
Date Commission Expires August 20, 1998

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
IS (Specify)

ALICE HORNING
Notary Public - State of Kansas
My Appt. Expires 8-20-98

Operator Name Jim Lorenz Lease Name Joe Studebaker Well # 1
 Sec. 20 Twp. 29 Rge. 15 East West
 County Wilson

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.)
 List All E.Logs Run: GAMMA RAY/NEUTRON

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See attached

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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 | 10" | 8 5/8" | | 20' | Portland | 5 | |
| Production | 6 3/4" | 4 1/2" | | 1155 | Poz | 130 | |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | |
|---|------------------|----------------|-------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|--|--|---------|
| 4 | 861-866 | 75 gal. acid 5,000 lb. sand | 861-866 |

| TUBING RECORD | | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
|--|-----------------------|-------|--|-----------------------|---|---------|
| | | 2 3/8 | 876 | | | |
| Date of First, Resumed Production, SWD or Inj. | | | Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | |
| 8-1-97 | | | | | | |
| Estimated Production Per 24 Hours | Oil <u>NONE</u> Bbls. | Gas | Mcf <u>20</u> | Water Bbls. <u>10</u> | Gas-Oil Ratio | Gravity |

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Conmingled 861'-866'

Production Interval Other (Specify) _____