

FORM MUST BE TYPED

SIDE ONE

9-106-24W

COPY

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

API NO. 15- 065-22,6990001

County Graham

NE SE SE SW Sec. 9 Twp. 10s Rge. 24 X^EW

Operator: License # 03655

523 Feet from (S)N (circle one) Line of Section

Name: STAAB ENERGY & LEASING

2117 Feet from E(V) (circle one) Line of Section

Address 2514 Haney Drive

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (SV) (circle one)

Hays, Kansas 67601

Lease Name Anton Herman Well # 4-5-5

City/State/Zip

Field Name Bryan

Purchaser: NCRA

INJECTION
Reservoir Formation LKC

Oper Contact Person: Norman G. Staab

Elevation: Ground 2480 KB 2485

Phone (913) 628-1326

Total Depth 4102 PBDT 4082

Contractor: Name: SHIELD DRILLING CO., INC.

Amount of Surface Pipe Set and Cemented at 221 Feet

License: 5665

Multiple Stage Cementing Collar Used? X Yes No

Wellsite Geologist: Todd Morgenstern

If yes, show depth set 2168 Feet

Designate Type of Completion

New Well Re-Entry X Workover

If Alternate II completion, cement circulated from 224'

Oil SVD SIOW Temp. Abd.

feet depth to Surface w/ 150 60/40 Poz 2% Gel 3;
SX CMT. CC

Gas X ENHR SIGW

Dry Other (Core, WSM, Expl., Cathodic, etc)

Drilling Fluid Management Plan REWORK JH 11-7-96
(Date must be collected from the Reserve Pit)

If Workover/Re-Entry, old well info as follows:

Operator: Same

Chloride content 68,000 ppm Fluid volume 310 bbls

Well Name: Herman # 4

Dewatering method used Air Dry Evaporation

Comp. Date 09-04-96 Old Total Depth 4,102

Location of fluid disposal if hauled offsite:

Deepening Re-perf. X Conv. to (In) SVD

Operator Name

Plug Back PBDT

Commingled Docket No.

Lease Name License No.

Dual Completion Docket No.

X Other (SVD or (In)) Docket No. E27289

Quarter Sec. Twp. 3 Rng. E/W

9-1-96

9-4-96

Date OF START Date Reached TD
OF WORKOVER

Completion Date OF
WORKOVER

County Docket No.

All originals and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 MUST 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 Norman G. Staab

| | | |
|------------------------|------------------------------------|-----------------|
| K.C.C. OFFICE USE ONLY | | |
| F | Letter of Confidentiality Attached | |
| C | Wireline Log Received | |
| C | Geologist Report Received | |
| Distribution | | |
| XCC | SVD/Rep | WGA |
| KGS | Plug | Other (Specify) |

Title Owner Date 09-20-96

Subscribed and sworn to before me this 20th day of September, 19 96.

Notary Public Cacilie M. Staab NOTARY PUBLIC - State of Kansas
CACILIE M. STAAB
My Appt. Exp. 10-26-98

Date Commission Expires October 26, 1998

Operator Name STAAB ENERGY & LEASING Lease Name ANTON HERMAN Well # 4 Inj.
 Sec. 9 Twp. 10 Rge. 24 East West County Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests if 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.)
 See enclosed Geological Report
 Samples sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

| Name | Top | Bottom |
|-----------------|------|--------|
| Anhydrite | 2133 | +352 |
| Anhydrite Base | 2168 | +317 |
| Topeka | 3570 | -1085 |
| Huebner | 3785 | -1300 |
| Toronto | 3808 | -1323 |
| Lansing | 3823 | -1338 |
| Base KC | 4053 | -1568 |
| Rotary Depth | 4100 | -1615 |
| Log Total Depth | 4102 | -1617 |

CASING RECORD New Used New Surface - Used 5-1/2"
 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 | 12-1/4" | 8-5/8" | 20# | 221 | 60/40 Poz | 150 | 2% Gel 3% Ca |
| Prod. 2-Stage | 7-7/8" | 5-1/2" | 14# | 4096 | ASC | 160 | 500 Gal WFI |
| Prod. Top Stage | 7-7/8" | 5-1/2" | 14# | 2168 | 50/50 Poz | 450 | 6% Gel FloS |

ADDITIONAL CEMENTING/SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|----------------|------------------|----------------|--------------|----------------------------|
| Perforate | | | | |
| Protect Casing | | | | |
| Plug Back TD | | | | |
| 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 |
|----------------|--|--|---------|
| 2 | 16 Shots S.C.C'S LKC | 5,000 N-Emulsion Acid | 4020-20 |
| | | 500 Mud Clean Up Acid | |

TUBING RECORD Size 2-3/8" OD Stl Tbg Seal-Tite Set At 3,983.75' Packer At 3,988.35' Liner Run Yes No

Date of First, Resumed Production, SUD or Inj. Oct. 1, 1996 Injection Producing Method Flowing Pumping Gas Lift Other (Explain) Injection

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravit. Inject Initial 100 to eventual 300 BWP

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Conmingled 4020-4028'
 Other (Specify) Waterflood - Injection Well W/ Packer