

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 4748
Name A & A Discovery, Inc.
Address P.O. Box 156
City/State/Zip Hill City, KS 67642

Purchaser

Operator Contact Person Darrel Anderson
Phone (913) 674-2768

Contractor: License # 4083
Name Western KS Drilling

Wellsite Geologist Patrick Deenihan
Phone (316) 683-8838

Designate Type of Completion
 New Well Re-Entry Workover

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

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

1-02-88 1-08-88 1-28-88
Spud Date Date Reached TD Completion Date

3890'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 200 feet
Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt

API NO. 15-065-22,433 *0310*
County Graham
Approx. C of SE4 Sec. 29 Twp. 7 Rge. 22 East West

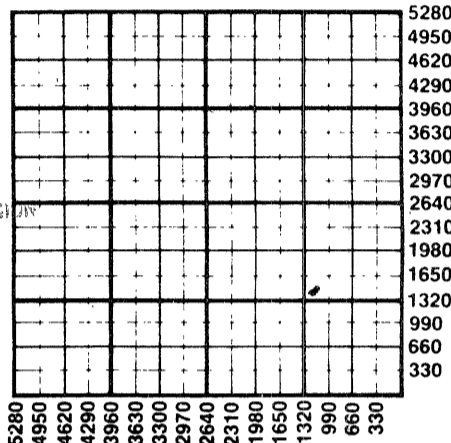
1450 Ft North from Southeast Corner of Section
1210 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Davis Well # A-3

Field Name Harmony North Extension

Producing Formation Lansing/K.C.

Elevation: Ground 2277 KB 2282'
Section Plat



STATE CORPORATION COMMISSION OF KANSAS

FEB 08 1988

CONSERVATION DIVISION
Wichita, Kansas

2/8/88

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West

Other (explain) Hauled by truck (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 *Darrel Anderson*
Title President Date 2-5-88

Subscribed and sworn to before me this 5th day of February 1988
Notary Public *Joyce Thille*

Date Commission Expires 9-27-89

JOYCE THILLE
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES

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)

Sec. 29 Twp. 7 Rge. 22

SIDE TWO

Operator NameA. & A. Discovery, Inc..... Lease Name.....Davis..... Well #.....A-3.....

Sec.....29.. Twp.....7S.. Rge.....22..... East West County.....Graham.....

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST # 1- Interval Tested 3649-3688
 Misrun

DST # 2- Interval Tested 3671-3704.
 45-60-45-60.
 IHM 1989, FIFP 84, FFFP84,
 ISIP 349, FSIP 180. Temp 101°
 Recovery- 30' oilcut mud.

| Name | Top | Bottom |
|-------------|------|--------|
| Anhydrite | 1913 | |
| Base " | 1943 | |
| Topeka | 3291 | |
| Heebner | 3496 | |
| Toronto | 3521 | |
| Lansing | 3528 | |
| Stark Shale | 3706 | |
| Base-K.C. | 3706 | |
| T.D. | 3890 | |

| CASING RECORD <input type="checkbox"/> New <input checked="" 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 |
| Production (new) | | 4 1/2" | 10 1/2 | 3730' | Class A | 150 | 5% gyp seal 3% gel, 2% cc |
| Surface (used) | 12 1/4" | 8 5/8" | 24 | 208' | 60/40 | 150 | 3% gel, 2% cc |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | (Amount and Kind of Material Used) | | | Depth |
| 2 per | 3695-98 | | | 2750 gal. of 15% acid | | | |
| 2 per | 3683-86 | | | 750 gal. of 28% acid | | | |
| 2 per | 3662-64 | | | | | | |
| 2 per | 3584-86 | | | | | | |
| 2 per | 3520-22 | | | | | | |
| TUBING RECORD | | | | Liner Run | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| | Size | Set At | Packer at | | | | |
| | 2-3/8" | 3690' | 3649' | | | | |
| Date of First Production | Producing Method | | | | | | |
| 1- | <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 | Gas | Water | Gas-Oil Ratio | Gravity | | |
| | NA Bbls | MCF | Bbls | CFPB | | | |

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 None Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled