

ORIGINAL

RELEASED
CONFIDENTIAL

AUG 21 1991
8-21-91

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- 023-20,280-00-00 FROM CONFIDENTIAL

County Cheyenne NW SE SE Sec. 3 Twp. 3S Rge. 39 East West

1026 Ft. North from Southeast Corner of Section

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

Lease Name Steffen Well # 1-3

Field Name Bird City

Producing Formation Niobrara

Elevation: Ground 3461 KB 3467

Total Depth 1529 PBDT 1466

Operator: License # 03628

Name: Harvest Energy Company

Address P.O. Box 620006

City/State/Zip Littleton, CO 80162

Purchaser: Williams Natural Gas

Operator Contact Person: Alan L. Nackerud

Phone (303) 972-8750

Contractor: Name: Crandall Drilling & Trenching, Inc.

License: to advise

Wellsite Geologist: N/A

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

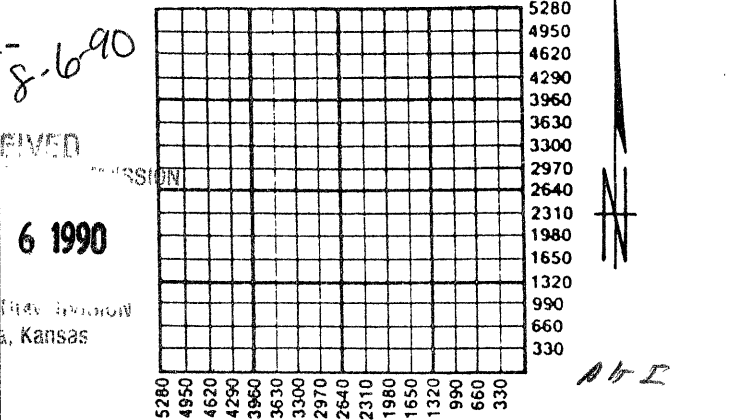
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

3/27/90 4/1/90 4/18/90
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 347 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

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 [Signature]

Title Owner Date 8/2/90

Subscribed and sworn to before me this 2nd day of August, 19 90.

Notary Public Marlene Hoffman

Date Commission Expires My Commission expires Oct. 20, 1993
8441 W. Bowles Ave.
Littleton, CO 80123

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)

SIDE TWO

Operator Name Harvest Energy Company Lease Name Steffen Well # 1-3
 Sec. 3 Twp. 3S Rge. 39 East West
 County Cheyenne

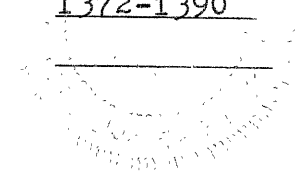
INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

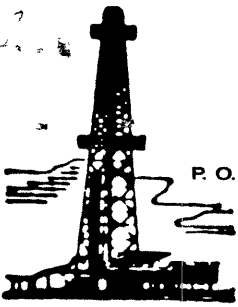
| | |
|---|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) | <p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <p>Name <u>Niobrara</u> Top <u>1364</u> Bottom _____</p> |
|---|---|

| 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 | 9 7/8 | 7 | 20 | 347 | Ideal | 87 | - |
| production | 6 1/4 | 4 1/2 | 9.5 | 1466 | 50/50poz | 75 | 3% gel |
| 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 | 1372-1390 | | | 49,000# 20/40 sand | | | |
| | | | | 45,000# 10/20 sand | | | |
| | | | | 60 tons co2 | | | |
| | | | | same | | | |
| TUBING RECORD | | | | Liner Run | | | |
| N/A | | Size | Set At | Packer At | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Date of First Production | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) SI | | | | | | |
| SI | Oil | Bbls. | Gas | Mcf | Water | Bbls. | Gas-Oil Ratio Gravity |
| Estimated Production Per 24 Hours | SI WOPL | | | | | | |

Disposition of Gas: Vented Sold Used on Lease SI Open Hole Perforation Dually Completed Commingled
 (If vented, submit ACO-18.) Other (Specify) _____

METHOD OF COMPLETION Production Interval
1372-1390





ORIGINAL

CEMENTERS, INCORPORATED

P. O. BOX 1587 • SCOTTSBLUFF, NE 69363-1587 • (308) 632-8855

Our Invoice

№ 13170

CONFIDENTIAL

| | | | |
|---------------------------------|----------------------------------|---------------------|-----------------------|
| Date <u>4-2-90</u> | Well Owner <u>HARVEST ENERGY</u> | Well No. <u>1-3</u> | Lease <u>Steffen</u> |
| County <u>Cheyenne</u> | State <u>KANSAS</u> | Field | |
| Charge To <u>HARVEST ENERGY</u> | Charge Code | | |
| Address | For Office Use Only | | |
| City, State | RELEASED | | |
| Pump Truck No. | Code | Bulk Truck No. | Code |
| Type of Job | Depth | Ft. | to |
| Surface | Bottom of Surface | Ft. | to <u>AUG 21 1991</u> |
| Plug | Plug Landed @ <u>1435</u> | Ft. | Time On |
| Production <u>4 1/2</u> | Pipe Landed @ <u>1466</u> | Ft. | Time Off |

FROM CONFIDENTIAL

| Reference No. | Description | Qty. | Meas. | Unit Price | Amount |
|---------------|--|------------|-------|------------|--------|
| | Pump Truck Charge | | | | |
| | Cement Neat <u>50/50</u> | <u>75%</u> | | | |
| | Poz. Mix | | | | |
| | Calcium Chloride | | | | |
| | Gel <input checked="" type="checkbox"/> % Flo-Seal % | | | | |
| | Handling Charge | | | | |
| | Hauling Charge | | | | |
| | Additional Pump Charge | | | | |
| | Mileage P.T. | | | | |
| | B.T. | | | | |
| | Plug <u>Centualizer</u> | <u>6</u> | | | |
| | <u>Scraper</u> | <u>7</u> | | | |
| | <u>Adv Shoe</u> | <u>1</u> | | | |
| | <u>Lath Plug</u> | <u>1</u> | | | |

RECEIVED
STATE CORPORATION COMMISSION
AUG - 6 1990

| | | | |
|----------|--------------------|-----------|-----------------|
| Remarks: | Tax Reference Code | Sub Total | Wichita, Kansas |
| | State % Tax | | |
| | Disc | Total | <u>2470.00</u> |

| Truck No. | Code | State Mileage | Nebraska | Colorado | Wyoming | Other | Total Mileage |
|-------------|------|---------------|----------|----------|---------|-------|---------------|
| <u>1203</u> | | Pump Truck | | | | | |
| <u>1207</u> | | Bulk Truck | | | | | |

We do not assume any responsibility for any damage or conditions resulting from our services. All pricing is subject to review and revision.

Delivered By Gary & Dennis Received by [Signature]
Customer or His Agent