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

API NO. 15-00-00
Rawlins County
20-36W-4S-7T Sec 4

SE 32

Operator: License # 7185
Name: Juff, Exploration Company
Address: 5501 Lincoln St., Suite 450
Denver, CO 80203

City/State/Zip:

Purchaser:

Operator Contact Person:
Richard A. Ferris
Phone: 303-861-2488

Contractor/License #:
6033

Wellsite Geologist:
Greg Magruder
Phone: (403) 851-2400

Designate Type of Completion
X New Well
Re-Entry
Workover

Oil
Gas
 Delayed Comp.

Temp Abd
Other (Core, Water Supply etc.)

If ORIG old well Info as follows:

Operator:

Well Name:
Comp. Date:

WELL HISTORY

Drilling Method:
X Mud Rotary
Air Rotary
Cable

Spud Date:
5-10-88

5-12-88

Amount of Surface Pipe Set and Cemented at:

Multiple Stage Cementing Collar Used:
Yes
No

If yes, show depth set:

Feet to:

Wellsite Note:

Cement Company Name

Invoice #

WATER SUPPLY INFORMATION

Disposition of Produced Water:

Disposal

Pressurizing

Wellsite Note:

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

Source of Water Pumped:
Groundwater

Surface Water

Well

West

Sec.

Rge.

East

Sec.

Rge.

West

West

Stream, pond etc.

Other (explain):

(purchased from city, R.W.D.

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 and 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. Submit OP-4 form with all plugged wells. Submit OP-11 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.

Eleanor Hall, Public Notary

Drilling Manager
Date: 5-19-88

CONSERVATION DIVISION
Wichita, Kansas

K-C-C. OFFICE USE ONLY

Letter of Confidentiality Attached
Wireline Log Received
Drillers Timelog Received
Distribution

KCC

NGPA

Other

Specified

My Appt. Exp.

Date:

Eleanor Hall

5-26-91

CONSERVATION DIVISION
Wichita, Kansas
**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.

<table>
<thead>
<tr>
<th>Drill Stem Tests Taken</th>
<th>Yes</th>
<th>No</th>
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<table>
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<tr>
<th>Cored Taken</th>
<th>Yes</th>
<th>No</th>
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**DST #1** - 4701'-4721' - Times 15-60-90
Recovery: 170' Gas in Collar
82% Clean Oil (25% API @ 60° F)
40' Oil Cut Mud (18% Oil; 82% Mud)
122' Total Fluid
Pressures: IH 2411 FF 52-68
IF 38-40 FSI 1166
ISI 1203 FH 2341
BHT 131° F

**DST #2** - 4304'-4361' (Driller Depth) Times 15-60-90
4288'-4355' (Log Depth)
Recovery: 80' Mud; No Oil Shows
Pressures: IH 2197 FF 81-91
IF 70-70 FSI 1883
ISI 1422 FH 2167
BHT 120° F

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**CASING RECORD**

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (in O.D.)</th>
<th>Weight Lbs/Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement Used</th>
<th>Additives</th>
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<tbody>
<tr>
<td>Surface...</td>
<td>121'</td>
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**PERFORATION RECORD**

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specify Footage of Each Interval Perforated</th>
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**TUBING RECORD**

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<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Padper at</th>
<th>Liner Run</th>
<th>Yes</th>
<th>No</th>
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**Date of First Production**

Producing Method
- Flowing
- Pumping
- Gas Lift
- Other (explain)

<table>
<thead>
<tr>
<th>Oil</th>
<th>Gas</th>
<th>Water</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
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**Estimated Production Per 24 Hours**

- Bbls
- MCF
- Bbls
- CFBR

**METHOD OF COMPLETION**

- Production Interval
- Dually Comleted
- Comminiled