

15-109-20484-00-00

ORIGINAL

RELEASED

9-7-1991

CONFIDENTIAL

SIDE ONE

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

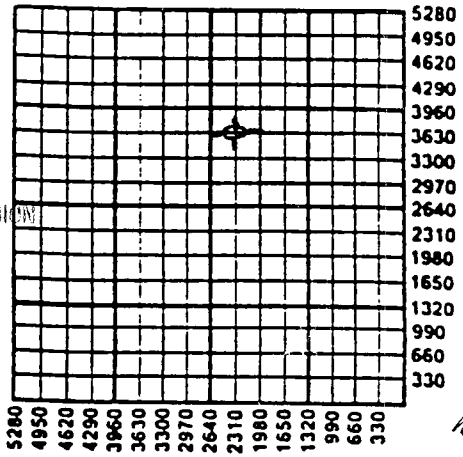
Operator: License # 5140
Name: FRONTIER OIL COMPANY
Address 125 N. Market, Ste. 1720
City/State/Zip Wichita, KS 67202
Purchaser: N/A
Operator Contact Person: Jean Angle
Phone (316) 263-1201
Contractor: Name: RED TIGER DRILLING COMPANY
License: 5302
Wellsite Geologist: Mr. Richard Parker

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

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

Drilling Method:
 Mud Rotary Air Rotary Cable
7-30-90 8-9-90 8-9-90
Spud Date Date Reached TD Completion Date

API NO. 15- 109-20,484-00-00
County Logan
NW SW NE Sec. 16 Twp. 11S Rge. 35 East West
3630 Ft. North from Southeast Corner of Section
2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Bertrand Well # 1
Field Name Wildcat
Producing Formation N/A
Elevation: Ground 3291 KB 3296
Total Depth 4749 PBTD N/A



Amount of Surface Pipe Set and Cemented at 269 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 Jean Angle
Title Agent Date 8-20-90

Subscribed and sworn to before me this 20th day of August, 19 90.

Notary Public P. Brennan
STATE OF KANSAS
Date 10-94

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)

Operator Name FRONTIER OIL COMPANY Lease Name Bertrand Well # 1
 Sec. 16 Twp. 11S Rge. 35 East West
 County Logan

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.)

| Name | Formation Description | |
|-----------------|-----------------------|--------|
| | Top | Bottom |
| Anhydrite | 2744 | +552 |
| Tarkio | 3751 | -455 |
| Topeka | 3884 | -588 |
| Heebner | 4107 | -811 |
| Toronto | 4124 | -828 |
| Lansing-KS City | 4144 | -848 |
| Base KS City | 4466 | -1170 |
| Marmaton | 4478 | -1182 |
| Fort Scott | 4625 | -1329 |
| Cherokee Shale | 4655 | -1359 |
| Johnson | 4692 | -1396 |
| RTD | 4750 | -1454 |

DST 1 (4168-4194) 60-45-30-45. Rec. 340'SW.
 IF 19-127, FF 147-187, ISIP 1206, FSIP 1216
 DST 2 (4302-4332) 30-45-30-45. Rec. 10'M.
 IF & FF 19-19, ISIP 986, FSIP887
 DST 3 (4698-4726) 30-45-60-45. Rec. 100' CO,
 10'MCO. IF 9-9, FF 19-29, ISIP 187, FSIP 127

CASING RECORD

New 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 | 12 1/4" | 8 5/8" | 20# | 269 | 60-40 POZ | 150 | 2% gel, 3% cc |
| | | | | | | | |
| | | | | | | | |

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

| Shots Per Foot | Specify Footage of Each Interval Perforated | |
|----------------|---------------------------------------------|--|
| N/A | | |
| | | |
| | | |
| | | |
| | | |
| | | |

TUBING RECORD

Size N/A Set At Packer At Liner Run Yes No

Date of First Production N/A Producing Method Flowing Pumping Gas Lift Other (Explain)
 Estimated Production Per 24 Hours
 Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: N/A METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease Open Hole Perforation Dually Completed Commingled
 (If vented, submit ACO-18.) Other (Specify)

ORIGINAL CONFIDENTIAL

SEP 0 7 1991
9-7-1991

ALLIED CEMENTING CO., INC. No. 9361

Home Office P. O. Box 31

Russell, Kansas 67665

New

| | | | | | | |
|------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------|----------------------|
| Sec. 16 | Twp. 11s | Range 35 w | Called Out 11:00am | On Location 1:30PM | Job Start 2:00PM | Finish 5:15PM |
| Well No. #1 | | Location Page City Kan 4 W 2 N | | County LOGAN | State KANSAS | |
| Contractor RED TIGER DRG. Rig # 9 | | | Owner 1/2 E | | | |
| Job Rotary Plug | | | To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. | | | |
| Size 7/8 | T.D. 4750' | Charge To FRONTIER OIL COMPANY | | | | |
| 8 5/8 Surface | Depth 273' | Street 1437 N Franklin | | | | |
| Size | Depth | City Russell State Kan 67665 | | | | |
| Well Pipe 4 1/2 X-H | Depth 2760' | The above was done to satisfaction and supervision of owner agent or contractor. | | | | |
| Shoe Joint | Minimum <input checked="" type="checkbox"/> | Purchase Order No. | | | | |
| Displace | | X Mike Wiggoren | | | | |

EQUIPMENT

| | | |
|------------|--------------|--------------------|
| mptrk #177 | No. Cementer | <i>[Signature]</i> |
| | Helper | <i>[Signature]</i> |
| mptrk #213 | No. Cementer | |
| | Helper | |
| lkrk #213 | Driver | <i>Paul</i> |
| lkrk | Driver | |

| | | |
|--------------|--------------------------------|---------------|
| DEPTH of Job | | |
| Reference: | PUMP TRUCK chg | 360.00 |
| | 1st PER mile | 20.00 |
| | - 8 5/8 DRY Hole Plug | 20.00 |
| | Sub Total | 400.00 |
| | Tax | |
| | Total | |

| | |
|--------|-------------------------------------|
| marks: | 25 SK @ 2760' |
| | 100 SK @ 1700' |
| | 40 SK @ 330' |
| | 10 SK @ 40' & wiper plug |
| | 15 SK @ Rat Hole |

| | | |
|---------------------|----------------------------------------------|--------------------|
| Amount Ordered | 190 SK 6 7/8 6 7/8 gel 1 SK F10- Seal | |
| Consisting of | | |
| Common | 114 | 6.00 684.00 |
| Poz. Mix | 76 | 2.40 182.40 |
| Gel. used 10 chg | 7 | 6.75 47.25 |
| Chloride | | |
| Quickset | | |
| | 1 SK Flo Seal | 15.00 15.00 |
| | | |
| | | |
| Handling | 90 | 171.00 |
| Mileage 20 m | 83 | 114.00 |
| | Sub Total | 1213.65 |
| | Total | |

Floating Equipment

[Signature]

15-109-20484-00-00

CONFIDENTIAL RELEASED

ORIGINAL

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

SEP 07 1991
9-7-1991

ALLIED CEMENTING CO., INC.

N^o 4747

Home Office P. O. Box 31

Russell, Kansas 67665

New

| | | | | | | | | | | | | | | | |
|---------------------|-----------|------|----|------------|-------|-------|----|----------------------------------------------------------------------------------|------------------------|-------------|----------|-----------|-----------|--------|----------|
| Date | 7-29-90 | Sec. | 16 | Twp. | 11s | Range | 35 | Called Out | 7:45 PM | On Location | 11:00 PM | Job Start | 11:15 PM | Finish | 11:45 PM |
| Lease | Bectand | | | Well No. | 1 | | | Location | Page C. 2 1/4 N 42 IN | | | County | LOGAN | | |
| Contractor | Red Tiger | | | | | | | | | | | | | | |
| Type Job | Surface | | | | | | | | | | | | | | |
| Hole Size | 12 1/4 | | | T.D. | 275 | | | Charge To | Frontier Oil Co. | | | | | | |
| Csg. | 8 5/8 | | | Depth | 273 | | | Street | 1437 N. Franklin | | | | | | |
| Tbg. Size | | | | Depth | | | | City | Russell | | | State | Ks. 67665 | | |
| Drill Pipe | | | | Depth | | | | The above was done to satisfaction and supervision of owner agent or contractor. | | | | | | | |
| Tool | | | | Depth | | | | Purchase Order No. | X Mike Wagon | | | | | | |
| Cement Left in Csg. | 15' | | | Shoe Joint | | | | CEMENT | | | | | | | |
| Press Max. | | | | Minimum | | | | Amount Ordered | 150 60/40 2% gel 3% cc | | | | | | |
| Meas Line | | | | Displace | 16.80 | | | Consisting of | RECEIVED | | | | | | |
| Perf. | | | | | | | | Common | 90 | | | 6.00 | 540.00 | | |

EQUIPMENT

| | | | |
|--------------|----------------|-----------|--------|
| Pumptrk | No. | Cementer | Kas |
| | 46 | Helper | Johnny |
| Pumptrk | No. | Cementer | |
| | | Helper | |
| | | Driver | |
| Bulktrk | 69 | | Bill W |
| Bulktrk | | Driver | |
| DEPTH of Job | Pump trak chgs | | |
| Reference: | OAKley | Mileage | 360.00 |
| | 1 8 1/2 TWP | | 20.00 |
| | | Sub Total | 40.00 |
| | | Tax | |
| | | Total | 420.00 |

| | | | |
|----------|-----|-----------|---------|
| Handling | 150 | .90 | 135.00 |
| Mileage | 20 | | 90.00 |
| OAKley | | Sub Total | |
| | | Total | 1009.00 |

Remarks: Cement Did circ. 2 bbl.

Floating Equipment

Total \$ 1429.00

Disc - 285.80

\$ 1143.20

Thank you!