

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

ORIGINAL

Operator: License # 9860

Name: Castle Resources, Inc.

Address 1200 E. 27th St., Suite C

City/State/Zip Hays, KS 67601

Purchaser: _____

Operator Contact Person: Jerry Green

Phone (913) -625-5155

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Jerry Green

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.

Gas ENHR S1GW

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

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj) Docket No. _____

2/27/93 3/6/93 3/7/93
Spud Date Date Reached TD Completion Date

API NO. 15- 179-21,061-00-00

County Sheridan

IC -S/2-NW-NE Sec. 16 Twp. 9S Rge. 27 X W

4290 Feet from S/N (circle one) Line of Section

1980 Feet from E/W (circle one) Line of Section

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

Lease Name Popp Well # 3

Field Name _____

Producing Formation _____

Elevation: Ground 2729' KB 2734'

Total Depth 4150' PBDT _____

Amount of Surface Pipe Set and Cemented at 251' 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.

Drilling Fluid Management Plan 3-28-93
(Data must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid volume 400 bbls

Dewatering method used Air Dry & Backfill

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

COPY

INSTRUCTIONS: An original 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 82-3-133, 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 Tony Williamson

Title Production Superintendent Date 3/9/93

Subscribed and sworn to before me this 9th day of March, 19 93.

Notary Public Chris Schumacher

Date Commission Expires 5/8/96

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

KCC SWD/Rep

KGS Plug

(Specify)

RECEIVED
MAR 11 1993
KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas



Form ACO-1 (7-91) Wichita, Kansas

Operator Name Castle Resources, Inc. Lease Name Popp Well # 3

Sec. 16 Twp. 9S Rge. 27 East County Sheridan

West

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.)

List All E.Logs Run: Radiation Guard w/Caliper

| Name | Formation (Top), Depth and Datum | | Sample |
|--------------------|----------------------------------|--------|--------|
| | Top | Datum | |
| Anhydrite | 2316' | + 418 | |
| Heebner | 3835' | -1101 | |
| Toronto | 3860' | -1126 | |
| Lansing | 3871' | -1137' | |
| Base Kansas City | 4107' | -1373 | |
| Rotary Total Depth | 4150' | -1416 | |

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# | 251' | 60/40 Poz | 160 | 2% Gel, 3% CC |
| | | | | | | | |
| | | | | | | | |

COPY

ADDITIONAL CEMENTING/SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|---|------------------|----------------|-------------|----------------------------|
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type | | Acid, Fracture, Shot, Cement Squeeze Record | |
|----------------|---|--|---|--|
| | Specify Footage of Each Interval Perforated | | (Amount and Kind of Material Used) | |
| | | | | |
| | | | | |
| | | | | |

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 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: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ORIGINAL
15-179-21061-00-00

ALLIED CEMENTING CO., INC. 00 4265

Home Office P. O. Box 31

Russell, Kansas 67665

| Date | Sec. | Twp. | Range | Called Out | On Location | Job Start | Finish |
|---------|----------|-----------------------------|-------|------------|-------------|-----------|----------|
| 2-27-93 | 16 | 9 | 27 | 7:00 PM | 10:30 PM | 12:00 AM | 12:30 AM |
| Lease | Well No. | Location | | County | State | | |
| POPP | # 3 | QUINTEEN 14 N 5 W 3/4 N 4 W | | Sheridan | KANSAS | | |

| | | | |
|---------------------|--------------------------------|------------|------|
| Contractor | Emphasis Oil Operations Rig 98 | | |
| Type Job | Surface | | |
| Hole Size | 12 1/4" | T.D. | 254' |
| Csg. | 8 3/4" | Depth | 251' |
| Tbg. Size | | Depth | |
| Drill Pipe | | Depth | |
| Tool | | Depth | |
| Cement Left in Csg. | 15' | Shoe Joint | |
| Press Max. | | Minimum | |
| Meas Line | | Displace | ✓ |
| Perf. | | | |

| | | | |
|--|---|--|--|
| Owner | 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. | | |
| Charge To | Castle Resources | | |
| Street | | | |
| City | State | | |
| The above was done to satisfaction and supervision of owner agent or contractor. | | | |
| Purchase Order No. | X April 15, 78 | | |

EQUIPMENT

| | | |
|----------|----------|-----------|
| #279 No. | Cementer | M Kaufman |
| Pumptrk | Helper | Dean R. |
| No. | Cementer | |
| Pumptrk | Helper | |
| #282 | Driver | Wayne M |
| Bulktrk | Driver | |

| | | | |
|----------------|------------------------------|--|--|
| Amount Ordered | 162 SKS 60/40 P02-32cc 22 lb | | |
| Consisting of | | | |
| Common | | | |
| Poz. Mix | | | |
| Gel. | | | |
| Chloride | | | |
| Quickset | | | |
| | Sales Tax | | |
| Handling | | | |
| Mileage | | | |
| | Sub Total | | |
| | Total | | |

| | |
|--------------|-------------------------------------|
| DEPTH of Job | |
| Reference: | # PUMP TRK 1-8 3/4" surface plug |
| | Sub Total |
| | Tax |
| | Total |

Remarks: Cement Circulated

RECEIVED
STATE CORPORATION COMMISSION
MAR 11 1993
CONSERVATION DIVISION
Wichita, Kansas

[Signature]

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees:

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

NEW
15-179-21061-00-00

ALLIED CEMENTING CO., INC. 5698

Home Office P. O. Box 31

Russell, Kansas 67665

| Date | Sec. | Twp. | Range | Called Out | On Location | Job Start | Finish |
|-----------|----------|---------------|-------|------------|-------------|-----------|---------|
| Mar 6, 93 | 16 | 09 | 27 | 9:00 A | 12:30 PM | 1:30 PM | 4:30 PM |
| Lease | Well No. | Location | | County | State | | |
| POPP | 3 | 12N2E1N Parks | | Sheridan | KS | | |

| | |
|---------------------|-----------------|
| Contractor | Emphasis Oil |
| Type Job | P7A |
| Hole Size | 7 7/8 |
| Csg. | T.D. 4180' |
| Tbg. Size | Depth |
| Drill Pipe | 4 1/2 |
| Tool | Depth 2340' |
| Cement Left in Csg. | Shoe Joint |
| Press Max. | 200 PSI |
| Meas Line | Minimum 200 PSI |
| Perf. | Displace |

| | |
|---|----------------------|
| Owner | Castle Resources Inc |
| 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. | |
| Charge To | Castle Resources Inc |
| Street | 1200 E 27th Suite C |
| City | Hays |
| State | KS 67601 |
| The above was done to satisfaction and supervision of owner agent or contractor. | |
| Purchase Order No. | |
| x <i>Grant D. J.N.</i> | |

EQUIPMENT

| | | | |
|---------|-----|----------|-------------|
| Hays | No. | Cementer | Dean Rundle |
| Pumptrk | 277 | Helper | |
| | No. | Cementer | |
| Pumptrk | 279 | Helper | Carl BATTIN |
| | | Driver | Mike |
| Bulktrk | 218 | | |
| Bulktrk | | Driver | |

| | |
|----------------|------------------------------|
| Amount Ordered | 190sk 60/40 69/60 2sk cellof |
| Consisting of | |
| Common | 114 SKS |
| Poz. Mix | 76 SKS |
| Gel. | 10 SKS |
| Chloride | |
| Quickset | |
| celloflake | 2 SKS |
| Sales Tax | |

| | |
|--------------|--------------------------|
| DEPTH of Job | 2340' |
| Reference: | Pump Truck charge |
| | 2 nd per mile |
| | Dry Hole Plug |
| | Sub Total |
| | Tax |
| | Total |

| | |
|--------------------|--|
| Handling | |
| Mileage | |
| Sub Total | |
| Total | |
| Floating Equipment | |

Remarks: 1st Plug at 2340' 25sk
 2d Plug at 1490' 100sk
 3rd Plug at 300' 40sk
 10sk at 40'
 115 sks in Rat Hole

ORIGINAL

RECEIVED
 STATE CORPORATION COMMISSION
 MAR 11 1993
 CONSERVATION DIVISION
 Wichita, Kansas
 03-11-1992

Thanks

GENERAL TERMS AND CONDITIONS

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WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

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