KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL PLUGGING RECORD
K.A.R. 82-3-117

Lease Operator: Chesapeake Operating, Inc.
Address: P.O., Box 18496, Oklahoma City, OK 73154-0496
Phone: (405) 935 - 3906 Operator License #: 32334
Type of Well: Gas
Docket #: (Oil, Gas D&A, SWD, ENHR, Water Supply Well, Cathodic, Other)
(If SWD or ENHR)
The plugging proposal was approved on: __________________________(Date)
by: __________________________ (KCC District Agent's Name)
Is ACO-1 filed? □ Yes ☑ No If not, is well log attached? □ Yes ☑ No
Producing Formation(s): List All (If needed attach another sheet)
Marmaton
Depth to Top: 5,270 Bottom: 5,276 T.D. 8,714
St. Louis
Depth to Top: 6,758 Bottom: 6,770 T.D. 8,714

Show depth and thickness of all water, oil and gas formations.

<table>
<thead>
<tr>
<th>Oil, Gas or Water Records</th>
<th>Casing Record (Surface Conductor &amp; Production)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formation</td>
<td>Content</td>
</tr>
<tr>
<td>Marmaton</td>
<td>Oil</td>
</tr>
<tr>
<td>St. Louis</td>
<td>Oil</td>
</tr>
</tbody>
</table>

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

See Attached Procedure

Name of Plugging Contractor: Allied Cementing Co., Inc.
Address: P.O. Box 31, Russell, KS 67665
Name of Party Responsible for Plugging Fees: Chesapeake Operating, Inc.
State of Oklahoma County, Oklahoma
KCC WICHITA

David A Wist Jr. (Employee of Operator) or (Operator) on above-described well, being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.

(Signature) __________________________
(Address) P.O. Box 18496, Oklahoma City, OK 73154-0496

SUBSCRIBED and SWORN TO before me this ______ day of __________________________, 2010
Notary Public

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202
December 2, 2010

VIA UNITED PARCEL SERVICE

Kansas Corporation Commission
Conservation Division
Finney State Office Building
130 S. Market, Room 2078
Wichita, Kansas 67202

Re: Cunningham Estate 1-13
13-34S-37W
Stevens Co., Kansas

Dear Sir or Madam:

Enclosed are the original and one copy of the CP-4 for the referenced well.

Please direct all correspondence regarding this well, or any regulatory compliance matter, to my attention at the address below.

Thank you for your assistance in this matter.

Sincerely,

Chesapeake Operating, Inc.

Sarah Rodriguez

Enclosures
Cunningham Estate 1-13: P&A Daily Activity

10/23/2010  PULL RODS AND 1 1/2 TBG
  HPJ, SAM, MIRU SSI, TOH LD 246 5/8 RDS, TOH LD 195 JTS OF 1 1/2 IJ TBG RDMO, SD TILL WORK RESUMES

10/27/2010  TOH W/ TBG
  HPJ, SAM, MIRU SSI AND GILMORE ROUSTABOUT, DIG WORKOVER PIT AND LOAD 5/8" RDS ON TRAILER
  MOVE TO GARDEN CITY YARD, RDMO GILMORE, NU BOP, RELEASE PKR, TOH W/ TBG AND LD, TONGS
  BROKE DOWN FOR REPAIR 2 HRS, FINISH TOH, 199 JTS 2 7/8 TOTAL. CWI SDFN

10/28/2010  PLUG WELL
  HPJ, SAM, MIRU LOGTECH, RIH W/ CIBP AND SET @ 5190', DUMP BALE 2 SX CMT ON CIBP, TOH RDMO
  LOGTECH, MIRU BASIC SER. AND DILLCO, RIH W/ 59 JTS -2 7/8" TBG, PMP DOWN TBG W/ 105 BBLS WATER
  AND CIRC., PMP 50 SX CMT, PLUG @ 1850' PUH AND LD 38 JTS, PMP 50 SX CMT, PLUG @ 650', PUH AND LD
  19 JTS, PLUG @ 60', PMP 20 SX CMT, CMT TO SURFACE, POOH W/ 2 JTS, TIE ON TO SURFACE CSG AND
  PUMP 45 SX CMT, PSI TO 200#, SD RDMO BASIC AND DILLCO, TOO WINDY TO RD SSI, STATE MAN JACK
  MCKOWSKI WITNESS.

11/02/2010  HAUL OFF TBG
  HPJ, SAM, MI GILMORE ROUSTABOUT HAUL 1 1/2 IJ TBG TO GC YARD, REMOVE CONCRETE PAD, SD

11/03/2010  CLEAN LOCATION
  HPJ, SAM, MI TUBOSCOPE AND GILMORE, LOAD 2 7/8" TBG AND SEND TO OKC FOR INSPECTION, CUT WH AND
  EXISTING PIPE 4' BELOW GROUND, WELD ID PLATE, HAUL OFF PU GEAR BX, SDFN

11/04/2010  HAUL TANKS
  HPJ, SAM, MI GILMORE ROUST, HAUL CLOSED TOP W/ TO CUNNINGHAM 2-25, HAUL S/T TO JNK, RESTORE
  LOCATION, RDMO. FINAL

RECEIVED
DEC 03 2010
KCC WICHITA
**FIELD SERVICE TICKET**

**1717 01435 A**

**DATE OF JOB:** 10.27.10  
**DISTRICT:** Liberal, KS  
**CUSTOMER:**  
**ADDRESS:**  
**CITY:**  
**STATE:**  
**LEASE:** Jans branch estates  
**WELL NO:** 1-15  
**COUNTY:** Stevens  
**STATE:** Kansas  
**SERVICE CREW:**  

---

**AUTHORIZED BY:** Jerry Beane  
**EQUIPMENT #** | **HRS**  | **EQUIPMENT #** | **HRS**  | **EQUIPMENT #** | **HRS**  | **TRUCK CALLED** | **DATE** | **AM/PM** | **TIME**
---|---|---|---|---|---|---|---|---|---
SO46 | 5 | SO6 | 5 | SOG5 | 5 | 1230 | 5 | 1830 | 5 | 20:30 |  

**ARRIVED AT JOB:** 10:37 AM 1:15  
**START OPERATION:** 10:37 AM 1:15  
**FINISH OPERATION:** 10:37 PM 2:00  
**RELEASED:** 10:37 PM 2:00  
**MILES FROM STATION TO WELL:** 35  

---

**CHEMICAL / ACID DATA:**  
**SERVICE & EQUIPMENT** | **% TAX ON $**  
**MATERIALS** | **% TAX ON $**  
**TOTAL**

**RECEIVED**  
DEC 03 2010  
KCC: WICHITA

---

**SERVICE REPRESENTATIVE:**  
**THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:**  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)
## TREATMENT REPORT

**Customer:** Chesapeake Energy  
**Lease No.:**  
**Date:** 10-27-10

**Lease:** Cunningham Estates  
**Well #:** 1-13

**Field Order #:** 0485A  
**Station:** Liberal, KS 1717  
**Casing:** 5 1/2"  
**Depth:** 5100'  
**County:** Stevens  
**State:** KS  
**Type Job:** Plug to Abandon

### PIPE DATA

<table>
<thead>
<tr>
<th>Casing Size</th>
<th>Tubing Size</th>
<th>Shots/FT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 1/2&quot;</td>
<td>2 1/8&quot;</td>
<td>4</td>
</tr>
</tbody>
</table>

### PERFORATING DATA

<table>
<thead>
<tr>
<th>Depth</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>5100'</td>
<td></td>
<td>1850'</td>
</tr>
</tbody>
</table>

### FLUID USED

<table>
<thead>
<tr>
<th>Fluid</th>
<th>RATE</th>
<th>PRESS</th>
<th>ISIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre Pad</td>
<td>Max</td>
<td>3</td>
<td>350</td>
</tr>
<tr>
<td>Pad</td>
<td>Min</td>
<td>1.5</td>
<td>50</td>
</tr>
<tr>
<td>Frac</td>
<td>Avg</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Flush</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TREATMENT RESUME

- **Customer Representative:** Steve Emin  
- **Station Manager:** Jerry Bennett  
- **Treater:** Carlos Lopez

**Service Units:** 304/60  
**Drivers Names:** Chavez, Jov, Martinez, Lopez

<table>
<thead>
<tr>
<th>Time</th>
<th>Casing Pressure</th>
<th>Tubing Pressure</th>
<th>Bbls. Pumped</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:15</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
<tr>
<td>10:00</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
<tr>
<td>11:19</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
<tr>
<td>11:20</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
<tr>
<td>11:54</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
<tr>
<td>12:15</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
<tr>
<td>12:20</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
<tr>
<td>1:05</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
<tr>
<td>1:10</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
<tr>
<td>1:15</td>
<td>1500</td>
<td>300</td>
<td>10</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Service Log:**

- 9:15: Arrived to location
- 10:00: Start at Trucks & Setup Equipment
- 11:19: Fill Hole & Check out pipe
- 11:54: Mix 13.5 - 1.50 P/ft - 7.50 P/ft
- 12:15: Fresh Water Displacement
- 12:20: Shut down Washup Tub & lines to Pit
- 1:10: 3rd Plug = 20 5/8 60/40 Pz
- 1:30: Washup Tub & Lines
- 1:50: Change over to Surface Cig & Filled
- 2:00: Shut Down Washup Tub Head & Lines
- 2:20: Begin Rigging Down Equipment
- 2:55: Depart Location

**Received:**

**DEC 03 2010**

**KCC/WICHITA**

**1700 S Country Estates • P.O. Box 129 • Liberal, KS 67905 • (620) 624-2277 • Fax (620) 624-2280**