

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

RECEIVED

APR 06 2009

HOBBSD

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

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WELL API NO.  
30005006585. Indicate Type of Lease  
STATE ☒ FEE ☐6. State Oil & Gas Lease No.  
E-86647. Lease Name or Unit Agreement Name  
SOUTH CAPROCK QUEEN UNIT8. Well Number  
0109. OGRID Number  
1262710. Pool name or Wildcat  
08559 CAPROCK QUEEN

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well Gas Well ☒ Other INJECTION2. Name of Operator  
KEVIN O BUTLER & ASSOCIATES, INC.3. Address of Operator  
PO BOX 1171, MIDLAND, TEXAS 79702

4. Well Location

Unit Letter J 1980 feet from the SOUTH line and 1980 feet from the EAST line  
Section 30 Township 15S Range 31E NMPM CHAVES County11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4441' GR

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
 DOWNHOLE COMMINGLE ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐

OTHER:



Intent to test  
 OTHER: Request Witnessed MIT ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

## Isolate &amp; Sqz Csg Leak, DO CIBP &amp; Stimulate

10/06/08 Mon. Day 1	MIRU Basic Energy Services WSU. Unflange wellhead, NU BOP and RU reverse unit. PU 4 3/4" bit, bit sub, 6 DC's and workstring. RIH with bit and DC's; tagged CIBP @ 3,110'. Stacked out 10 points and LD 1 joint. Close well in. SDFN.
10/07/08 Tues. Day 2	Bled well off. Dug out surface valves RU Quanah kill truck. Loaded the tubing with 60 Bbls but didn't pressure up. POH with tubing, DC's and bit. PU AD-1 packer and RIH but wouldn't go past 25'. RU 4 3/4" mill on swivel; applied 50# torque on mill @ 25'. Passed through tight spot and RBIH with packer to 2,972 and held to 1000# for minutes. POH while attempting to locate casing leak. Casing leaks below 134' with no circulation to surface and below 604'. POH with tubing & packer and inspected elements. Close well in. SDFN.
10/08/08 Wed. Day 3	Bled well off. RBIH with packer attempting to locate casing leak. Bottom of @ 1,230' and top of it was @ 1,168'. Injected .75 BPM @ 500#. Use J&A pump to test hole. Loaded with 26 Bbls then pressured up to 650# through casing valve. Pressured dropped to 300# then injected .89 BPM. LD all 93 - 2 7/8" tubing, packer and DC's. Close well in. SDFN.
10/09/08 Thurs. Day 4	Bled well off. RR hauled off work string and DC's. ND BOP and flange wellhead with a 5 1/2" collar. RDMO. RU Rising Star cement trucks and Quanah transport. Loaded with 22 Bbls and pressured up to 500#. Pumped 9.5 Bbls of 13.5# Class "C" slurry. Performed cement squeeze - please cement report. Calculated TOC @ 694'. Close well in. RD Rising Star cement trucks and transport pulled contents from pit. Close well in. SDFN.
10/17/08 Fri. Day 5	Drove Basic Energy WSU but couldn't RU due to mud. SDFN.

10/20/08 Mon. Day 6	RU WSU and bled well off. Left 10# on wellhead from cement squeeze; fluid holding @ surface. Flange new Larkin wellhead and NU BOP and spooler. Tested to 420# and held for 5 minutes. PU bit, bit sub and 6 DC's. RIH with bit, DC's and 16 joints of tubing. Tagged @ 704' and PU swivel and drilled out wiper plug. Continue drilling to 757' and circulated well clean. SDFN.
10/21/08 Tues. Day 7	Continue drilling from 757' to 914' and circulated well clean. LD swivel and POH with tubing, DC's and bit. Changed out bit; RBIH with bit, bit sub, DC's and 23 joints of tubing. Close well in. SDFN.
10/22/08 Wed. Day 8	PU swivel, circulated well clean and began drilling out. Test to 500# @ 1,009' (ISIP: 300# then bled to 120# within 20 minutes). Test to 500# @ 1,041' (ISIP: 320# then lost 40# in 5 minutes). Continue to drill out testing after each joint. Drilled out to 1,073' and circulated well clean between joints of tubing. Close well in. SDFN.
10/23/08 Thurs. Day 9	PU swivel and drilled out 5 total joints. Continue to test after each joint until drilling through cement @ 1,218'. Circulated well clean, wash down 1 joint and tested casing to 500#. Couldn't pump into hole; lost 90# in 30 minutes. Bled well off. LD swivel and test to 380#. Can't pump into hole; lost 40# in 30 minutes then held 340# for 15 minutes. Close well in. SDFN.
10/24/08 Fri. Day 10	RBIH with 53 joints of tubing, tagged @ 3,006' and stack out 10 points but couldn't rotate off with tongs. PU swivel, drilled through circulating up only dope and scale then lost circulation. Washed down 3 joints while circulating hydrocarbons and gas but no solids. Tagged @ 3,103' while taking cast iron returns. Made 12" through plug before drop out. Washed down 1 joint and plug got caught in the perms. Made 6" through plug before drop out. Washed down 2 joints and circulated clean. Plug kept spinning on bottom and plugging up. Pumped down tubing then reverse back clean. POH with 7 joints of tubing (EOT @ 3,012'). Close well in. SDFN.
10/27/08 Mon. Day 11	RU swab equipment and tagged fluid @ 1,000'. Made 2 swab runs; swabbed well dry to 2,753' recovering less than 2% cut each swab run. SD for 20 minutes. Made 1 more swab run tagging fluid @ 2,500' but well then became dry. SD for 1 hour. Made another swab run tagging fluid @ 1,800'. LD swab equipment and POH with 94 joints of tubing. LD twisted bottom joint, DC's BHA, and bit. PU 5 1/2" AD-1 packer and RBIH with packer and 98 joints of tubing, Sat the packer @ 3,077' and left 11 points on it.
10/28/08 Tues. Day 12	RU Rising Star acid trucks and Quanah kill truck. Acidized with 1,500 gallons of 15% HCL acid with 5% neutral solvent – please see treatment report. Loaded with .2 Bbls of FSW and pressured up to 150#. Established injection rate @ 3.1 BPM and water was on formation with 20.1 Bbls. Pumped acid 7.4 BPM @ 740#. Acid was on formation with 19.7 Bbls @ 740# 7.4 BPM. Pumped 32.4 Bbls of HCL acid while formation charged up to 820#. Flushed with FSW and 2% KCL then over flushed with 10 Bbls. (ISIP: 380# - 5 min, 320# - 10 min, 300# - 15 min). Bled down tubing and casing to pit. RD Rising Star acid trucks. Release packer and POH with 3 joints. Well began to flow back up the tubing and casing. Pumped water down the tubing @ 2 BPM down annulus taking returns to the pit. Circulated with 25 Bbls until returns showed no more acid. POH with 92 joints of tubing. RBIH with AD-1 packer, SN and 97 joints of IPC tubing. Pumped 60 Bbls of packer fluid. Close well in. SDFN.
10/29/08 Wed. Day 13	<p>Tubing was on screaming vacuum on arrival. ND BOP, sat packer with 12 points and flange wellhead. Loaded annulus with 5 Bbls of packer fluid and pressured up to 300#. Couldn't pump into hole and lost 100# in minutes. Loaded tubing with 25 Bbls establishing an injection rate of 3 BPM @ 400#. Backside showed communication to the tubing. Unflange wellhead and lowered packer 16" and re-sat leaving 12 points. Re-tested with same results. Close well in. RDMO.</p> <p><b>Tubing Detail</b>  97 – 2 3/8" N-80 IPC YB joints  1 – 2 3/8" SN @ 3,081'  1 – 5 1/2" AD-1 35K packer</p>

11/12/08 Wed. Day 1	MIRU Basic Energy Services WSU. Unflange Larkin wellhead & NU head valve. RU 2 3/8" tubing equipment LD 3 joints of IPC tubing. Sat packer leaving 13 points, flange up wellhead & ND head valve. RDMO.  <u>Tubing Detail</u> 94 - 2 3/8" N-80 YB IPC jts 1 - 2 3/8" SN @ 2,985' 1 - 5 1/2" AD-1 14# 35K packer
11/13/08 Thurs. Day 2	Quanah Kill Truck pumped 20 Bbls of 2% KCL FW down the tubing @ 2 BPM 300#. Backside showed no communication. Loaded the backside 3 different times with 31 Bbls of FW to blow down air. Lost 100# in 1 minute; held 200# for 15 minutes. Repeated twice with same results. Released Quanah Kill Truck after blowing the remaining water into reverse pit.

Spud Date:

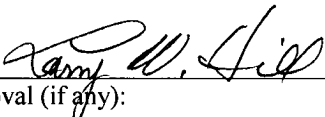
Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE President/Owner DATE 4-3-09

Type or print name KEVIN O BUTLER E-mail address: [robie@geedmidland.com](mailto:robie@geedmidland.com) PHONE: 432-682-1178

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APPROVED BY:  TITLE **DISTRICT 1 SUPERVISOR** DATE **APR 09 2009**  
Conditions of Approval (if any):