

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.

30-045-25354

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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

2. Name of Operator
Westmoreland, c/o San Juan Coal Mine

3. Address of Operator
PO Box 561, Water Flow, Nm 87421 505-598-2000

4. Well Location

Unit Letter _O_ : _790_ feet from the _South_ line and _1600_ feet from the _East_ line
Section 13, Township 30N Range 15W NMPM San Juan, County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5586' GL; 5663' KB

7. Lease Name or Unit Agreement Name
Sly Slav

8. Well Number #1

9. OGRID Number

10. Pool name or Wildcat
Basin Dakota

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 ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

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

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Westmoreland c/o San Juan Coal Plugged and Abandoned this well per the attached report.

Underground P&A marker is located at N 36° 48' 32.7" / W 108° 22' 54.5".

A closed loop system was used for all waste fluid from this plugging activity.

OIL CONS. DIV DIST. 3

JUL 13 2016

Spud Date:

PNR only

Approved for plugging of wellbore only.
Liability under bond is retained pending
Receipt of C-103 (Subsequent Report of Well
Plugging) which may be found @ OCD web
page under forms
www.emnrd.state.us/ocd

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

SIGNATURE  TITLE Mine Geologist DATE June 30, 2016

Type or print name Eric Herth E-mail address: EHerth@westmoreland.com PHONE: 505-598-2105

For State Use Only

APPROVED BY:  TITLE DEPUTY OIL & GAS INSPECTOR DISTRICT #3 DATE 7/20/16
Conditions of Approval (if any):

JUL 19 2016

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979
Farmington, New Mexico 87499
505-325-2627 *fax: 505-325-1211

San Juan Coal
Sly Slav #1

June 22, 2016
Page 1 of 3

790' FSL and 1600' FEL, Section 13, T-30-N, R-15-W
San Juan County, NM
Lease Number: FEE
API #30-045-25354

Plug and Abandonment Report

Notified NMOCD and BLM on 6/6/16

Plug and Abandonment Summary:

- Plug #1** with CR at 5390'; spot 24 sxs (28.32 cf) Class B cement inside casing from 5390' to 5074' to cover the Dakota interval. No WOC and tag because casing pressure tested.
- Plug #2** with 24 sxs (28.32 cf) Class B cement from 4623' to 4307' to cover the Gallup top.
- Plug #3** with 24 sxs (28.32 cf) Class B cement from 3642' to 3326' to cover the Mancos top.
- Plug #4** with 24 sxs (28.32 cf) Class B cement from 2401' to 2085' to cover the Mesaverde top.
- Plug #5** with 24 sxs (28.32 cf) Class B cement from 1846' to 1530' to cover the Chacra top.
- Plug #6** with 4 sets of 6 HSC squeeze holes at 949' to 947', 899' to 897', 849' to 847' and 799' to 797'; set a balanced plug with 40 sxs (47.2 cf) Class B cement with 18% salt (BWOW) for expansion from 1007' to 479' to fill the squeeze holes and to cover the Pictured Cliffs top; TOH and squeeze 3 bbl. of water at final pressure of 1000 PSI. WOC for 2 hours. At 680' circulate out cement.
- Plug #7** two sets of 6 HSC squeeze holes at 687' to 685' and 637' to 635'; set a balanced plug with 16 sxs (18.88 cf) Class B cement with 18% salt (BWOW) from 765' to 555' to cover the milled zone and squeeze holes; squeezed ½ bbl. away, final pressure 500 PSI. WOC overnight and then tag TOC at 630'.
- Plug #8** one set of 4 squeeze holes at 430'; with total 170 sxs (200.6 cf) Class B cement pumped down the casing from 430' to surface: 1) circulate good cement out bradenhead valve after 150 sxs; 2) shut 4-1/2" casing valve and connect the pump line to bradenhead annulus valve; 3) pump 20 sxs into bradenhead annulus at 1 bpm at 800 PSI, when stopped pumping pressure drop down to 200 PSI, SI well. Plug covers Fruitland top and 9-5/8" casing shoe to surface. Set underground plate marker with coordinates N 36° 48' 32.7" / W 108° 22' 54.5".

Work Details:

- 6/8/16 MOL. Held safety meeting. Check well pressures: SITP 300 PSI, SICP 320 PSI and SIBHP 16 PSI. Dig out bradenhead and install 2" plumbing to surface. Set basebeam. RU rig. Blow well down. Pump 40 bbl. of water to kill well. ND wellhead. NU BOP and function test. PU on tubing string and LD hanger. TOH and LD while tallying 170 joints 1.900" EUE tubing (5480') total and SN with collar on bottom. X-over for 2-3/8" tubing. SI well. SDFD.
- 6/9/16 Held safety meeting. Check well pressures: SICP 85 PSI and SIBHP 9 PSI. Function test BOP. Round trip 4-1/2" string mill and A-Plus 2-3/8" workstring to 5413'. TIH and set 4-1/2" DHS CR at 5390'. Load casing with 67 bbl. and then circulate well clean with 82 bbl. of water. Pressure test casing to 800 PSI, held OK. TOH and LD CR setting tool. SI well. SDFD.

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San Juan Coal
Sly Slav #1

June 22, 2016
Page 2 of 3

Work Details:

- 6/10/16 Held safety meeting. Check well pressures: SICP 0 PSI and SIBHP 5 PSI. Function test BOP. RU A-Plus wireline. Ran CBL from 5390' to surface, cement in annulus 5390' to 4340' and 3710' to 630'. RU Jet West wireline. Run MS survey Gyro to 800' and Gamma/Neutron 800' to surface. TIH with tubing. **Set plugs #1, #2, #3, #4 and #5.** TOH with tubing. SI well. SDFD.
- Note: E. Herth, SJ Coal per Gamma/Neutron Log coal seam #8 from 736' to 748' and perms in 50' in intervals. Paul Wiebe, NMOCD, approved plug #6 to line up with coal seam #8 depth.
- 6/13/16 Held safety meeting. Check well pressures: SICP 0 PSI and SIBHP 11 PSI. Function test BOP. Pressure test casing to 850 PSI, OK. RU A-Plus wireline. Perforate 4 sets of 6 HSC squeeze holes from 949' to 947', 899' to 897', 849' to 847' and 799' to 797'. Establish rate of 1 bpm at 800 PSI. TIH open-ended to 1007'. Pre-mix 400 lbs. salt with 6.25 bbl. water. **Set plug #6** with calculated TOC at 479'. TOH and LD all tubing. RU pump to 4-1/2" casing valve and load hole with 2 bbl., squeeze 3 bbl. pressuring up to 1000 PSI until held 900 PSI for 30 minutes. RU drilling system. PU 3-7/8" blade bit (used), bit sub 6 - 3-1/8" drill collars, x-over and 8 joints tubing. TIH to bit at 430', nearby lighting. SI well and wait out lighting storm. TIH tubing to 680' taking weight but not stacking out. POH with 1 joint, bit at 648'. PU power swivel and break circulation, wash down to 680', cement in returns. Wash out soft cement from 680' to 764' with good returns. Circulate well clean. Hang back swivel. PUH to 430'. SI well. SDFD.
- 6/14/16 Held safety meeting. Check well pressures: SITP and SICP 0 PSI, SIBHP 5 PSI. Function test BOP. TIH and tag plug #6 TOC at 765'. TOH and LD bit. Pressure test casing to 850 PSI, held OK. PU bottom hole assembly (BHA): Weatherford 4-1/2" section mill tool; 6 3-1/8" drill collars with crossovers. TIH with tubing. PU power swivel and lower knives to 729'. Start pipe rotation and bring on pump, work knives down to 730'. Did not see pump pressure drop indicating knives open but good amount metal in returns and small amount of cement. Mill casing 730' to 739', circulate well clean with good amounts metal and cement in returns. Work knives up past 729', hang back swivel. TOH with BHA. Inspect section mill, good condition and knives 1/3 worn. Replace knives in section mill. TIH with collars and tubing to knives at 681'. SI well. SDFD.
- 6/15/16 Held safety meeting. Check well pressures: SITP and SICP 0 PSI, SIBHP 4 PSI. Function test BOP. PU power swivel with 2 joints tubing and lower knives to 728'. Bring on pump, lower knives past 729'. Did not see pump pressure drop indicating knives deployed. Verify top and bottom of milled section at 729' and 739' which indicates knives extended. Mill from 739' to 746', make connection, good metal and cement in returns. Mill from 746' to 755', circulate well clean, good metal and cement in returns. Hang back swivel. TOH with BHA. Inspect section mill, knives worn out. LD section mill. SI well. SDFD.

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June 22, 2016
Page 3 of 3

Work Details:

- 6/20/16 Held safety meeting. Check well pressures: SICP 0 PSI and SIBHP 15 PSI. Function test BOP. TIH with BHA. PU swivel and lower knives to 728'. Bring on pump and lower knives past 729', saw pressure drop indicating knives out. Ream from 729' to 750' circulating cement and formation in returns. Mill more casing from 750' to 755', good amounts metal and cement in returns. Hang back swivel. TOH with BHA. Found section mill knives ¼ worn. TIH with open-ended tubing to soft tag at 759'. PU swivel and break circulation, wash down to 764'. Circulate well clean. RU Jet West. Ran caliper log from 764' to 600' showing casing successfully milled. Establish rate into milled zone 1 bpm at 600 PSI. RU A-Plus wireline. Perforate two zones with 6 HSC squeeze holes at 687' to 685' and 637' to 635'. Establish rate into coal zones (#8 & #9) at 1 bpm at 600 PSI. TIH open-ended and tag at 765'. Note: Brandon Powell and Paul Wiebe, NMOCD request to leave plug #7 TOC low to allow perfs at 430' for Fruitland Coal top. Approved by Eric Herth, SJ Coal. **Set plug #7** with calculated TOC at 555'. RU pump to 4-1/2" casing valve and load with 1.75 bbl. (tubing displaced was 1.2 bbl.). Squeeze away ½ bbl. pumping up to 1000 PSI bleeds to 500 PSI in 5 minutes then down to 300 PSI. Keep building to 500 PSI and up to 1000 PSI, bled down to 500 PSI. SI well with 500 PSI on 4-1/2" casing. SDFD.
- 6/21/16 Held safety meeting. Check well pressures: SICP 25 PSI and SIBHP 4 PSI. Function test BOP. Pressure test casing to 800 PSI, OK. TIH and tag plug #7 at 630'. TOH and LD all tubing. RU A-Plus wireline. Perforate 4 HSC squeeze holes at 430'. Establish circulation out the BH valve; circulate the BH annulus clean. ND BOP and NU wellhead. **Set plug #8** with total of 170 sxs (200.6 cf) Class B cement from 430' to surface. SI well. SDFD.
- 6/22/16 Held safety meeting. Open up well; no pressures. Bradenhead packed with cement. Cement at surface in 4-1/2" casing. Dig out wellhead. Write Hot Work Permit. Cut off wellhead saw. Found cement at cut off point in 4-1/2" and 9-5/8" casings.
Set underground plate marker with coordinates N 36° 48' 32.7" / W 108° 22' 54.5". RD and MOL.
Paul Wiebe, NMOCD representative was on location.
Eric Herth, San Juan Coal representative was on location.

I hereby certify that the foregoing is true and correct


Phillip Fitzpatrick
Field Supervisor
A-Plus Well Service, Inc.

Date: June 28, 2016