

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 17 2017

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

NM-19163

6. Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Turk's Toast #1

9. API Well No.

30-045-25430

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan, NM

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☐☒ Gas Well ☐☐ Other

2. Name of Operator

Dugan Production, c/o Westmoreland, San Juan Coal

3a. Address

PO Box 561, Water Flow, NM 87421

3b. Phone No. (include area code)

505-598-2000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

790' FSL and 790' FWL, Sec. 18, T-30-N, R-14-W

Lat: 36.8090 N, Lon: -108.3569 W

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☒ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

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

Underground P&A marker is located at 36° 48' 31.8" N / 108° 21' 25.2" W.

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

ACCEPTED FOR RECORD

JAN 18 2017

FARMINGTON FIELD OFFICE
BY: [Signature]14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Eric Herth

Title Mine Geologist

Signature

Date

01/13/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD

A-PLUS WELL SERVICE, INC.

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

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790' FSL and 790' FWL, Section 18, T-30-N, R-15-W
San Juan County, NM
Lease Number: NM 19163
API #30-045-25430

Plug and Abandonment Report

Notified NMOCD and BLM on 12/27/16 @ 9:45 AM

Plug and Abandonment Summary:

Plug #1 to cover and isolate perforations and Dakota top, with CR at 5587': spot 24 sxs (28.3 cf) Class B cement from 5587' to 5271' inside the 4.5" casing. WOC overnight and then with tubing tag TOC at 5283'.

Plug #2 to cover the Gallup top; spot 20 sxs (23.6 cf) Class B cement from 4824' to 4561' inside the 4.5" casing. WOC over weekend and then with tubing tag TOC at 4592'.

Plug #3 to cover the Mancos top; spot 24 sxs (28.3 cf) Class B cement with 2% CaCl₂, from 3848' to 3532' inside the 4.5" casing. WOC for 3.5 hours and then with tubing tag TOC at 3547'.

Plug #4 to cover the Mesa Verde and Chacra tops; spot 61 sxs (72.0 cf) Class B cement from 2574' to 1770' inside the 4.5" casing. WOC overnight and then with tubing tag TOC at 1812'.

Plug #5 to cover the Pictured Cliffs top; with 6 HSC squeeze holes each at 1165', 1115', 1065', and 1015'; 1) mix and pump 32 sxs (37.8 cf) Class B cement with 18% salt (BWOW) from 1236' to 762' inside the 4.5" casing; 2) TOH with tubing; 3) load casing with 2.25 bbl. water (tubing displacement 2 bbl.); and 4) squeeze 0.5 bbl. cement (total 4 sxs cement) into squeeze holes with final squeeze pressure at 900 PSI. WOC overnight and then with tubing tag TOC at 769'.

Plug #6 to cover the milled casing interval (968' to 972') and the Fruitland top; with 6 HSC squeeze holes each from 900' to 902' and 850' to 852'; 1) mix and spot 50 sxs (59 cf.0) Class B cement with 18% salt (BWOW) and cement dye from 985' to 326' inside the 4.5" casing; 2) TOH with tubing; 3) load casing with 1.75 bbl. water; and 4) squeeze 1.25 bbl. cement into squeeze holes and milled section until final squeeze pressure at 900 PSI. WOC overnight and then with tubing tag TOC at 414'.

Plug #7 to cover the 8.625" casing shoe; with 6 HSC squeeze holes at 150'; 1) spot 24 sxs (28.3 cf) Class B cement from 257' to surface inside the 4.5" casing, circulating good cement out 4.5" casing valve; 2) TOH with tubing; 3) load casing with water and pressure up to 1000 PSI with no bleed off, no cement squeezed. Note: no circulation out the BH annulus valve. Cut off well head and found BH annulus TOC at surface and down 25' inside 4.5" casing.

Plug #8 to top off 4.5" casing and set P&A marker; mix and spot 12 sxs (14.2 cf) Class B cement from 25' to surface inside the 4.5" casing. Install below grade P&A marker.

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Work Details:

- 12/27/16 MOL and RU. Review emergency response plan. Left well shut in. SDFN.
- 12/28/16 Check well pressures: SITP 460 PSI, SICP 5 PSI, SIBHP 0 PSI. Bled down casing to pit, bled tubing down to pit for 30 minutes; then TP 100 PSI. Pump 20 bbl. water down tubing. ND WH, NU and function test BOP. PU on tubing and work packer free. After pulling 5 joints 1-1/2" EUE tubing, pipe hung up on 6th joint. Worked packer up and down till free. Continue to TOH and LD 174 joints (5576') 1-1/2" EUE tubing, 4.5" packer and seat nipple with notched collar. Pick up and stand back 3 stands 3.125" drill collars. TIH with 4.5" string mill and A-Plus 2.375" tubing workstring to 1839'. SDFN.
- 12/29/16 Check well pressures: SITP 0 SPI, SICP 0 PSI and SIBHP 0 PSI. TIH with string mill to 5614'; then TOH and LD string mill. TIH with 4.5" DHS cement retainer and set at 5587'. Load tubing with 14.5 bbl. water and pressure test tubing to 600 PSI, held OK. Sting out and load casing with 43 bbl. water; circulate well clean with 92 bbl. water. Attempt to pressure test 4.5" casing; established rate of 2 BPM at 500 PSI. **Set plug #1.** TOH with work string. WOC overnight. SDFN.
- 12/30/16 Check well pressures: No tubing, SICP 0 PSI and SIBHP 0 PSI. Attempt to pressure test casing, established rate of 2 BPM at 500 PSI. RU A-Plus WL and ran CBL from 5250' to surface; found TOC in annulus at 190'. RU Jet West; ran gyro log from 1100' to surface; then ran Gamma Neutron log. TIH and tag plug #1 with tubing at 5283'. PUH to 4824' and pump 10 bbl. water ahead. **Set plug #2.** PUH to 3298'. SDFWE.
- 1/3/17 Check well pressures: SITP 0 PSI, SICP 0 PSI, SIBHP 0 PSI. Eric Herth with Westmoreland determined coal seam #8 from 951' to 966'. TIH and tag plug #2 with tubing at 4592'. PUH to 3848' and establish circulation to surface. Attempt to pressure test casing; established rate of 2 BPM at 500 PSI. **Set plug #3.** PUH to 2766' and WOC for 3.5 hours. TIH and tag TOC at 3547'. PUH to 2574' and establish circulation. Attempt to pressure test casing; bleed down from 1000 PSI to 600 PSI in 30 seconds and then to 550 PSI in 1 minute. **Set plug #4.** TOH with tubing and WOC. SDFN.
- 1/4/17 Check well pressures: No tubing, SICP 0 PSI, SIBHP 0 PSI. Function test BOPE. TIH and tag plug #4 with tubing at 1812'. TOH. Load casing with 5 bbl. water and attempt to pressure test; bled down from 900 PSI to 850 PSI in 1 minute. Shoot 6 HSC holes at 1165' to 1167'; pressure up on casing, bled down from 900 PSI to 850 PSI in 30 seconds. Shoot second set 6 HSC holes at 1115' to 1117'; pressure up on casing, bled down from 900 PSI to 850 PSI in 30 seconds. Shoot third set 6 HSC holes at 1065' to 1067'; pressure up on casing, bled down from 900 PSI to 400 PSI in 30 seconds. Shoot fourth set 6 HSC holes at 1015' to 1017'; pressure up on casing, bled down from 900 PSI to 400 PSI in 30 seconds. TIH to EOT at 1236'. Circulate well with 5 bbl. water. Premix 400 lbs. salt with 6.25 bbl. water. **Set plug #5.** TOH with tubing. SDFN.

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Work Details:

- 1/5/17 Check well pressures: No tubing, SICP 0 PSI, SIBHP 0 PSI. TIH with new Bottom Hole Assembly (BHA): used 3.875" drag-bit, bit sub, 6 - 3.125" drill collars, change over and 2.375" EUE tubing workstring. Tag plug #5 at 769'. Drill good cement from 769' to 985'. Circulate well clean and TOH with BHA. TIH with Weatherford 3.5" section mill and drill collars (new BHA). Lower section mill knives to 944.5' and start rotation and pump. Knives fully deployed at 945'. Mill out 4.5" casing from 945' to 951' with good amounts of metal and cement in returns. Circulate well clean, LD joint. SDFN.
- 1/6/17 Check well pressures: SITP 0 PSI, SICP 0 PSI, SIBHP 0 PSI. PU 1 joint tubing, deploy knives and ream down from 946' to 951'. Mill casing from 951' to 968' with good amounts of metal, cement and formation in returns. Circulate well clean. TOH and inspect knives; knives OK. SDFWE.
- 1/9/17 Check well pressures: No tubing, SICP 0 PSI, SIBHP 0 PSI. TIH with section mill and lower knives to 965'. Check bottom stump at 968'; mill casing from 968' to 972' and circulate well clean. TOH with BHA and inspect knives; knives OK. RU Jet West and ran caliper log from 985' to surface; coal seam #8 successfully milled from 945' to 972'. Load casing with 4 bbl. water and establish rate of 3 BPM at 200 PSI. Shoot 6 HSC holes each at interval: 900' to 902' and 850' to 852'. TIH open ended tubing to 985'. Pump 16 bbl. water ahead. Premix 450 lbs. salt and 1 lb. cement dye with 7.25 bbl. of mix water. **Set plug # 6.** TOH with tubing and squeeze cement into milled interval and holes. SDFN.
- 1/10/17 Check well pressures: No tubing, SICP 0 PSI, SIBHP 0 PSI. TIH and tag plug #6 TOC with tubing at 414'. TOH and then pressure test 4.5" casing to 1000 PSI, held OK. Shoot 6 HSC holes at 150'. Attempt to establish rate into squeeze holes; pressured up to 800 PSI, fell to 500 PSI, pressured up again and held at 1000 PSI. No circulation out BH valve. Load BH with 0.25 bbl. at 0 PSI and circulated into cellar below casing head. BLM and NMOCD approved to perform inside surface plug and attempt to squeeze. TIH with open ended tubing to 257' and pump 2 bbl. ahead. **Set plug #7.** TOH and LD workstring. Dig out wellhead and ND BOP. Monitor wellhead for gas, OK. Cut off wellhead and observed bubbles from 8.625" x 4.5" BH annulus. Found cement at surface in BH annulus and down 25' in 4.5" casing. RD rig. Left well to vent overnight. SDFN.
- 1/11/17 Inspect cut off casings; 1 bubble every 3 to 5 seconds from 8.625" x 4.5" BH annulus. Monitor for 10 minutes; no readings on gas monitors. Received approval from BLM and NMOCD to top-off casing and set DHM. **Set plug #8.**
Install below grade DHM with coordinates: 36° 48' 31.8" N / 108° 21' 25.2" W
RD equipment and MOL.
Jose Ruybalid with BLM on location; Chris Kelley with Weatherford on location

I hereby certify that the foregoing is true and correct



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

Date: January 12, 2017