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Form 3160-5
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT Farmington Field Office
Bureau of Land ManagementFORM 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.**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
Dugan Production, c/o Westmoreland, San Juan Coal Mine3a. Address
PO Box 561, Water Flow, NM 874213b. Phone No. (include area code)
505-598-2000

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

**1250' FNL and 1500' FEL, Sec. 24, T-30-N, R-15-W
Lat: 36.8034 N, Lon: -108.3648 W**

5. Lease Serial No.

NM-10875

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Centennial Com #91

9. API Well No.

30-045-30718

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report <i>RP</i>	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompletable 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 recompletable 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 Production c/o Westmoreland, San Juan Coal Plugged and Abandoned this well per the attached report.**Underground P&A marker is located at N 36° 48' 12.2" / W 108° 21' 53.3".****A closed loop system was used for all waste fluid from this plugging activity.**OIL CONS. DIV DIST. 3
APR 03 2017

ACCEPTED FOR RECORD

MAR 31 2017

FARMINGTON FIELD OFFICE
BY: *Madani*OIL CONS. DIV DIST. 3
APR 03 201714. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)**Eric Herth**Title **Mine Geologist**

Signature

Date

03/17/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____

Title

Date

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.

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 *AV*

4

A-PLUS WELL SERVICE

P.O. Box 1979, Farmington, NM 87499



Westmoreland Coal

300 West Arrington
Farmington, NM 87401

Lease Centennial Com #91
API Number 30-045-30718

Location 1250 FNL, 1500 FEL, Section 24, T-30,
R-15, San Juan County, NM

Service P & A

Cement Summary

Plug #1: with perforations 6 each from 867' to 869', 847' to 849' and 797' to 799' mix 32 sxs Class B cement (37.8 cf) with 18% salt from 871'-450' to cover the Pictured Cliff and Fruitland Coal tops.

Plug #2: with 6 perforations at 685' and at 635'; mix 50 sxs of Class B (59.0 cf) with 18% salt from 766' to 107'. WOC overnight. Tagged with tubing at 144'. Casing removed 729'-754'. Squeezed .5 bbl total.

Plug #3: with 16 sxs Class B cement (18.9 cf) from 144' to surface to cover the Casing Shoe and Surface top.

Plug #4: with 10 sxs Class B cement from surface to 19' top off casings and install P&A Marker at N36°48'12.2"/W108°21'53.3".

Work Detail

Date	Activity
02/20/2017	Held safety meeting on JSA and SLAM. Service and start equipment. Road equipment to location. Secure location entrance. Discuss SPCC and Emergency Response plans. Spot in and RU daylight pulling unit. X-Over for rods. SITP-0#, SICP-6#, SIBHP-0#. RU relief lines and blow well down to pit. PU on rod string and unseat rod pump. TOH and LD polished rod and stuffing box, (27)3/4" rods, (2)1-1/2" sinker bars, and 2" top-set pump. X-Over for tubing. ND wellhead. MU 5-1/2" by 8-5/8" wellhead and 8-5/8" companion flange. NU and function test BOP. RU work floor and tubing equip. PU on tubing string and LD slips and slip bowl. TOH and LD 25 joints 2-3/8" 4.7# J-55 tubing, SN and sub. Total tally 783.6'. Jet West WL ran MS Energy gyro log and gamma/neutron log. SI Well. Clean and secure location. Travel to main gate and check out. Travel to yard.
02/21/2017	Travel to location. Held safety meeting. Perform work permits. Service and start equipment. SICP 0#, SIBHP 0#. RU relief lines and open well to pit. Function test BOP. PU 3-7/8" 3-blade drag bit. PU (6) 3-1/8" drill collars and A Plus 2-3/8" work string; tag at 826'. RU power swivel. Break circulation. Ream down 826'-848'; slow drilling and high amounts of torque from 848'-850'; Circulate rubber and metal in returns. Drill cement from 850'-871'. Circulate hole clean. Hang back swivel. TOH with tubing and collars. LD bit. A-Plus WL ran CBL from 870' to surface. Found good cement in annulus throughout the well. Perforate 6 holes each from 867' to 869', 847' to 849' and 797' to 799'. TIH open ended to 871'.

A-PLUS WELL SERVICE

P.O. Box 1979, Farmington, NM 87499



Work Detail

2/21/2017
continued

Spot Plug #1. TOH and LD all tubing. RU pump to casing and load hole with 1.75 bbls and hole to 800 PSI with no bleed for 10 minutes. Total of 4 sxs cement squeezed away. SI Well. Travel to main gate and check out with security. Travel to yard.

2/22/2017

Travel to location. Safety meeting on JSA and SLAM. Perform work permits. Service and start equipment. SICP 0#, SIBHP 0#. RU relief lines and open well to pit. Function test BOP. PU 3-7/8" drag bit. TIH with collars and tubing. Tag TOC at 549'. PU swivel and break circulation. Drill cement from 549' to 766'. Circulate hole clean. Hang back swivel. TOH with tubing and collars. LD bit. PU Weatherford section mill. TIH with collars and tubing. Unable to pass 351'. TOH with tubing and collars. LD section mill. PU A Plus string mill with 3-7/8" cone bit. TIH with tubing. Unable to pass 351'. PU swivel and break circulation. Drill with torque from 351' to 355'. Metal in returns. Ream through with no torque. Hang back swivel. TIH with tubing and string mill at 562'. TOH with tubing and LD string mill. PU section mill. TIH with collars and tubing to section mill at 677'. SI Well. Clean and secure location. Travel to main gate and check out. Travel back to yard.

2/23/2017

Travel to location. Held safety meeting on JSA and SLAM. Perform work permits. Service and start equipment. SITP (section mill at 677') 0#, SICP 0#, SIBHP 0#. RU relief lines and open well to pit. Function test BOP. TIH with tubing. PU swivel and put section mill knives at 728'. Start rotation and slowly bring on pump. Lower knives slowly to 729'. Pump pressure dropped. Unable to set down weight. Section mill sliding down hole. Metal in returns, no cement. Hang back swivel. TOH with tubing and collars. Inspect section mill - ok. TIH with tubing and collars. PU swivel and put section mill knives at 729'. Start rotation and slowly bring on pump. Lower knives to 729'. Pump pressure dropped. Metal and cement in returns. Mill casing from 729' to 742'. Metal and cement in returns. Circulate hole clean. Make connection. Mill casing from 742' to 744'. Circulate metal and cement in returns. Circulate hole clean. LD tubing and swivel. SI Well. Travel to main gate and check out. Travel to yard.

2/24/2017

Travel to location. Safety meeting on JSA and SLAM. Perform Work Permits. Service and start equipment. SITP (section mill at 711') 0#, SICP 0#. RU relief lines and open well to pit. Function test BOP. Mill casing from 744' to 754'. Metal and cement in returns. Circulate hole clean. Work knives closed (reverse circulated, pulled up repeatedly to 30,000# and set down on bottom stub.) to get section mill up above 729'. Hang back swivel dragging out of hole. TOH with tubing and collars. LD section mill. Found plunger in tool was stuck holding knives extended. Knives half worn from milling and half broke off. RU Jetwest WL. Ran Caliper log showing

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Work Detail

2/24/2017
continued successfully milled casing through Coal Seam 8. SI Well. Clean and secure location. Travel to main gate and check out. Travel back to yard.

2/27/2017 Travel to location. Safety meeting on JSA and SLAM. Perform Work Permits. Service and start equipment. SICP 0#, SIBHP 0#. RU relief lines and open well top it. Function test BOP. TIH with 3 stands and 3-1/8" drill collars. TOH and LD collars. A Plus WL perforate 6 holes each from 686' to 684' and 636' to 634'. TIH with tubing open ended to 766'. Attempt to press test BH - pressure up to 300# then pressure dropped to 0# and circulation began in cellar. RU pump to tubing and circulate hole clean with total of 14 bbls of water. Jose Ruybalid, BLM representative, and Brandon Powell, NMOCD representative approved procedure change. **Spot Plug #2.** TOH and LD all tubing. RU pump to 4.5" casing valve and load hole with 1.5 bbls (tubing displacement was 1.25 bbls). Squeeze .25 bbls holding pressure at 800# for 30 minutes with no bleed. Relieve pressure and drain wellhead. Shut in well. Clean and secure location. Travel to Main Gate and check out with security. Travel to yard.

2/28/2017 Travel to location. Safety meeting on JSA and SLAM. Perform Work Permits. Service and start equipment. SICP 0 #, SIBHP 0#. RU relief lines and open well to pit. Function test BOP. TIH with tubing and tag TOC at 144'. **Spot Plug #3.** TOH LD all tubing. Wash tubing on float, rig floor and BOP. RD work floor. ND and hang back BOP. NU wellhead. Dig out wellhead. RD daylight pulling unit. RD and dig out wellhead. Monitor well for gas - OK. Issue Hot Work Permit. Cut off wellhead. Cement at 19' in 7" casing and at 10' in 4-1/2" casing. **Spot Plug #4** and install P&A Marker at N36°48'12.2"/W108°21'53.3". RD and ready equipment for move. Unable to move equipment due to muddy roads. Cut off anchors. Travel to Main gate and check out with security. Travel to yard.

I hereby certify that the foregoing is true and correct.



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

Date: March 2, 2017