

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

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. NMNM21465

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

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

3a. Address P.O. Box 420, Farmington, NM 87499

3b. Phone No. (include area code)
(505) 325-1821

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 24, T30N, R15W SENW 1515 FNL 1395 FWL

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

8. Well Name and No. Centennial Com 91S

9. API Well No. 30-045-30721-00-X1

10. Field and Pool or Exploratory Area
Twin Mounds Fruitland Sand PC

11. Country or Parish, State
San Juan County, NM

12. CHECK THE 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	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must 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 attached report.

Underground P&A Marker is located at 36.8025000" / -108.3730556.

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

ACCEPTED FOR RECORD

APR 17 2018

NMOC

APR 18 2018

DISTRICT III

FARMINGTON FIELD OFFICE
By: _____

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Chad Dawson

Title Mine Geologist

Signature

Date 04/09/2018

THE 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)

NMOC

8



Westmoreland Coal

300 West Arrington
Farmington, NM 87401

P.O. Box 1979, Farmington, NM 87499
(505) 325-2627

Name: Centennial Com #91S
API:30-045-30721

Well Plugging Report

Cement Summary

Plug 1: Pictured Cliffs top; 6 SQZ holes at 811ft., 6 SQZ holes at 773ft., 6 SQZ holes at 811ft., 6 SQZ holes at 773ft. and 6 SQZ holes at 723ft.; covering squeeze holes 40 sxs of Class B (15.6 ppg, 47.2 cf.), 18% Salt and 18% Salt; from 820 ft. to 293 ft.; WOC over night; tagged with tubing at 388 ft. Squeezed away .5 bbl (2.5sx)

Plug 2: Fruitland top; 6 SQZ holes at 608ft. and 6 SQZ holes at 558ft.; covering squeeze holes 40 sxs of Class B (15.6 ppg, 47.2 cf.), 18% Salt and 18% Salt; from 694 ft. to 167 ft.; WOC over night; tagged with tubing at 230 ft. Squeezed away .5 bbl (2.5sx)

Plug 3: Surface Casing Shoe and Surface; inside only, 24 sxs of Class B (15.6 ppg, 28.3 cf.) from 230 ft. to surface; Circulate good cement out 4-1/2" casing valve.

Plug 4: Surface; 5 sxs of Class B (15.6 ppg, 5.9 cf.) from 26 ft. to surface;

Work Detail

PUX	Activity
05/15/2017	
P	Safety meeting on JSA. Service and start equipment. Road equipment to Main Gate.
P	Check in with security. Road equipment to location. Secure location entrance. Discuss SPCC and Emergency Response plans.
P	Spot in and RU daylight pulling unit. X-O for rods.
P	SITP-0#, SICP-5#, SIBHP-0#. RU relief lines and open well to pit.
P	PU on rod string. TOH LD polished rod + stuffing box, (11) 3/4" rods, (15) 1-1/4", and 2" top-set pump. X-O for tubing.
P	ND wellhead. MU 5-1/2" x 8-5/8" wellhead and 8-5/8" companion flange. NU and function test BOP. RU work floor and tubing equipment.
P	TOH LD and tally 22 joints 2-3/8" EUE tubing (714.13' total), LD SN and perforated sub. Swap out tubing floats.
P	PU new 3-7/8" 3-blade drag bit, bit sub, (4) 3-1/8" drill collars, and X-O sub. PU and tally A-Plus 2-3/8" EUE tubing to tag PBTD at 736'. RU power swivel and circulating system. Break circulation.
P	Drill 736'-742' with high amounts of torque stalling swivel.
P	Attempt to pull up hole - sticking first 20'. POOH 2 joints - bit at 687. Shut in well. Clean and secure location. Travel to Main Gate and check out with security.
P	Travel to yard.

05/16/2017

- P A-Plus Monthly Safety Meeting - Hot Work and Heat Illnesses.
- P Travel to Main Gate.
- P Check in with security and travel to location.
- P Safety meeting on JSA and SLAM. Service and start equipment. SITP-0#, SICP-5#, SIBHP-0#. Open well to pit. Function test BOP. RIH tubing with swivel to 742' and break circulation.
- P Drill 742'-746' with high amounts of torque, drill 746'-750'. Circulate hole clean and make connection.
- P Drill 750'-754' with high amounts of torque, drill 754'-780'. Circulate hole clean and make connection.
- X Drill 780'-782' with high amounts of torque. Unable to rotate pipe and higher pump pressure with no returns - work pipe up hole to bit at 760' to free up. Ream back down to bit at 782'.
- P Drill 782'-786' with high amounts torque. OK by Eric Herth (Westmoreland) to TOH and run logs at 1:00 PM
- X Circulate hole clean. Attempt to work pipe up hole with pipe dragging. Pulled up to bit at 762' - unable to rotate or move pipe up and down at 762', good circulation.
- X Stop circulation. Install Weatherford bumper sub, attempt and unable to move pipe up or down.
- X Perform stretch readings - pipe stuck at bit. Shut in well. Clean and secure location. Travel to Main Gate and check out with security.
- P Travel to yard.

05/17/2017

- P Load supplies and travel to Main Gate.
- P Check in with security and travel to location. Safety meeting on JSA and SLAM. Service and start equipment. SITP-0#, SICP-0#, SIBHP-0#. Open well to pit. Function test BOP.
- X Attempt and unable to move pipe working with bumper sub. Break circulation. LD bumper sub and hang back swivel.
- X A-Plus WLU - Jet cut 2-3/8" tubing at 625'. TOH tubing LD 15' cut-off joint.
- X PU overshot with 2-3/8" grapple, bumper sub, jars, (4) 3-1/8" drill collars, and accelerator sub. TIH tubing to engage fish at 625'. Work fish free.
- X TOH tubing, collars and fishing tools. LD 16' cut-off joint. TOH collars - found bit under gauge and blades rolled under.
- P Jetwest WLU - Run MS Energy gyro 730'-0', run gamma/neutron log 750'-0'
- P A-Plus WLU - CBL 750'-0'.
- X TIH one set of drill collars from derrick, TOH LD collars.
- X PU Weatherford 3-3/4" magnet. TIH tubing - unable to pass 758'. TOH tubing and LD magnet.
- P Shut in well. Clean and secure location. Travel to Main Gate and check out with security.
- P Travel to yard.

05/18/2017

- P Load supplies and travel to Main Gate.
- P Check in with security and travel to location. Safety meeting on JSA and SLAM. Service and start equipment. SITP-0#, SICP-0#, SIBHP-0#. Open well to pit. Function test BOP.
- P PU Weatherford 3-7/8" junk mill. TIH tubing and tag at 742'. PU swivel and break circulation.
- P Ream 742'-786'.
- P Drill 786'-814'. Circulate hole clean. Make connection,
- P Drill 814'-820'. Circulate hole clean. Hang back swivel. TOH tubing and collars, LD junk mill.
- P A-Plus WLU - 6 perforations each at 810'-812', 772'-774', and 722'-724'.
- P TIH tubing open-ended to 820'. Pump 10 bbl ahead. Pre-mix 400 lbs salt with 6.25 bbl water.
- P Plug 1 - Picture Cliffs - 40sx, 15.6ppg, 1.18 yield = 47.2 cuft Class B cement with 18% salt(BWOW) from 820'-293' TOC.
- P TOH LD all tubing. Load hole with 1.5 bbl. Squeeze away .5 bbl (2.5sx) holding 800# on casing until held 800# for 15 minutes with no bleed.
- P Shut in well with 800# on casing. Clean and secure location. Travel to Main Gate and check out with security.
- P Travel to yard.

05/19/2017

- P Load supplies and travel to Main Gate.
- P Check in with security and travel to location. Safety meeting on JSA and SLAM. Service and start equipment. SITP-0#, SICP-50#, SIBHP-0#. Open well to pit. Function test BOP.
- P PU new 3-7/8" 3-blade drag bit. TIH collars and tubing to tag at 388'. PU swivel and break circulation.
- P Drill cement 388'-694'. Circulate hole clean. Hang back swivel.
- P TOH tubing and collars. LD 3-blade drag bit and PU string mill. TIH collars and tubing to string mill at 689'. TOH tubing and collars. LD string mill.
- P PU Weatherford section mill. TIH collars and tubing. PU swivel and lower section mill knives to 652'. Start rotation and bring on pump slowly - saw pump pressure drop indicating knives deployed.
- P Mill casing 652'-655' - good volume metal and cement in returns.
- P POOH LD 1 joint tubing + swivel. Shut in well, Clean and secure location. Travel to Main Gate and check out with security.
- P Travel to yard.

05/20/2017

- P Load supplies and travel to Main Gate.
- P Check in with security and travel to location. Safety meeting on JSA and SLAM. Service and start equipment. SITP-0#, SICP-0#, SIBHP-0#. Open well to pit. Function test BOP.
- P Found piece of section mill in mud pit - TOH tubing and collars, LD and inspect section mill - found two keeper plates damaged. Replace section mill. TIH collars and tubing. PU swivel and lower knives to 651'. Bring on pump and lower knives past 652' - saw pressure drop indicating knives deployed.
- P Mill casing 655'-679' - good volumes metal and cement in returns. Circulate hole clean.
- P Hang back swivel. TOH tubing and collars. LD and inspect section mill - knives

3/4 worn.

P JetWest WLU - Run caliper log 690'-surface showing successfully milled casing through Coal Seam 8.

P Shut in well. Clean and secure location. Travel to Main Gate and check out with security.

P Travel to yard.

05/22/2017

P Load supplies and travel to Main Gate.

P Check in with security and travel to location. Safety meeting on JSA and SLAM. Service and start equipment. SICP-0#, SIBHP-0#. Open well to pit. Function test BOP.

P TIH (2) stand of drill collars from derrick, TOH LD all collars. Load BH with 1/2 bbl. Pressure test BH to 300# - held OK. Load casing.

P A-Plus WLU - 6 perforations each at 607'-609' and 557'-559'.

P TIH tubing open-ended to 694'. Pump 10 bbl ahead. Pre-mix 400 lbs salt with 6.25 bbl water.

P Plug 2 - Fruitland Interval - 40sx, 15.6ppg, 1.18 yield = 47.2 cuft Class B cement with 18% salt (BWOW) from 694'-167' TOC.

P TOH LD all tubing. Load hole with 1.5 bbl. Squeeze away .5 bbl (2.5sx) holding pressure at 800# until held 800# for 15 minutes with no bleed. RD and LD power swivel. RD circulating system.

P Shut in well with 800# on casing. Clean and secure location. Travel to Main Gate and check out with security.

P Travel to yard.

05/23/2017

P Load supplies and travel to Main Gate.

P Check in with security and travel to location. Safety meeting on JSA and SLAM. Service and start equipment. SICP-0#, SIBHP-0#. Open well to pit. Function test BOP.

P PU plugging sub. TIH tubing and tag Plug 2 TOC at 230'. Pump 2 bbl ahead.

P Plug 3 - 7" Casing Shoe + Surface - 24sx, 15.6ppg, 1.18 yield = 28.32 cuft Class B cement from 230'-surface TOC. Circulate good cement out 4-1/2" casing valve.

P TOH LD all tubing + plugging sub. Wash tubing on float. Wash and RD work floor. ND and hang back BOP.

P RD daylight pulling unit. Dig out wellhead.

P Perform Hot Work Permit. Saw off wellhead - cement at 26' in 4-1/2" casing and at 7' in 7" casing.

P Plug 4 - Surface Top-off - 5sx, 15.6ppg, 1.18 yield = 5.9 cuft Class B cement from 26'-surface through poly-pipe.

P Install below-grade plate P&A marker at 36.8025000 / -108.3730556.

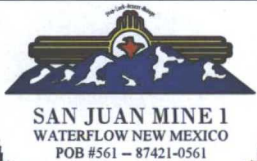
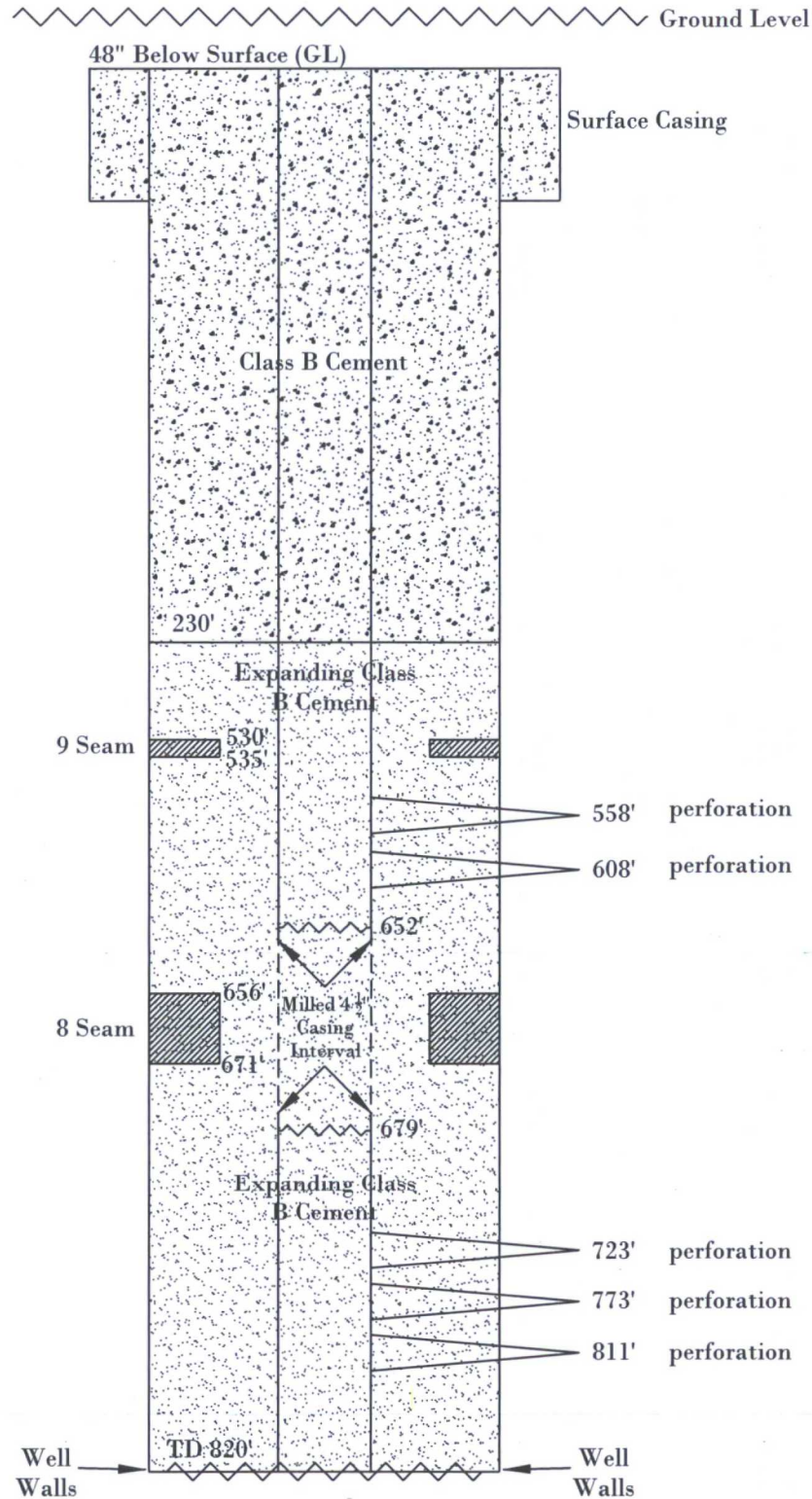
P RD pumping equipment. Ready equipment for move. Clean and secure location. MOL

* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

I hereby certify that the foregoing is true and correct.


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

Date: May 23, 2017



Centennial Com 91-S Completion Diagram
San Juan Mine
T30N R15W Section 24
San Juan County, NM
No Scale

Date	Description	Drafted By:
05/23/17	Centennial Com 91-S Well Completion Diagram	Eric Herth
Drawing: Centennial Com 91-S Completion Diagram.dwg		Revision
Layout: Turk's Toast #1 Well Diagram		1
Plot Date: Wednesday, May 24, 2017 6:52:15 AM		

NMOCD

MAR 29 2018

DISTRICT III

Form C-103

Revised November 3, 2011

Submit One Copy To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
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

WELL API NO. <u>3004530721</u>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <u>Centennial Com</u>
8. Well Number <u>91-5</u>
9. OGRID Number
10. Pool name or Wildcat <u>Twin Mounds Fruitland Sand PC</u>

<p>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.)</p>	
1. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator <u>Dugan Production Corp c/o San Juan Coal Company</u>	
3. Address of Operator <u>300 CR 6800 Waterflow, NM 87401</u>	
4. Well Location Unit Letter <u>F</u> : <u>1515</u> feet from the <u>N</u> line and <u>1395</u> feet from the <u>W</u> line Section <u>24</u> Township <u>30N</u> Range <u>15W</u> NMPM _____ County <u>San Juan</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
<p>NOTICE OF INTENTION TO:</p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <p>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input checked="" type="checkbox"/></p> <p>CASING/CEMENT JOB <input type="checkbox"/></p> <p><input checked="" type="checkbox"/> Location is ready for OCD inspection after P&A</p>
<p><input checked="" type="checkbox"/> All pits have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan.</p> <p><input checked="" type="checkbox"/> Rat hole and cellar have been filled and leveled. Cathodic protection holes have been properly abandoned.</p> <p><input type="checkbox"/> A steel marker at least 4" in diameter and at least 4' above ground level has been set in concrete. It shows the</p>	

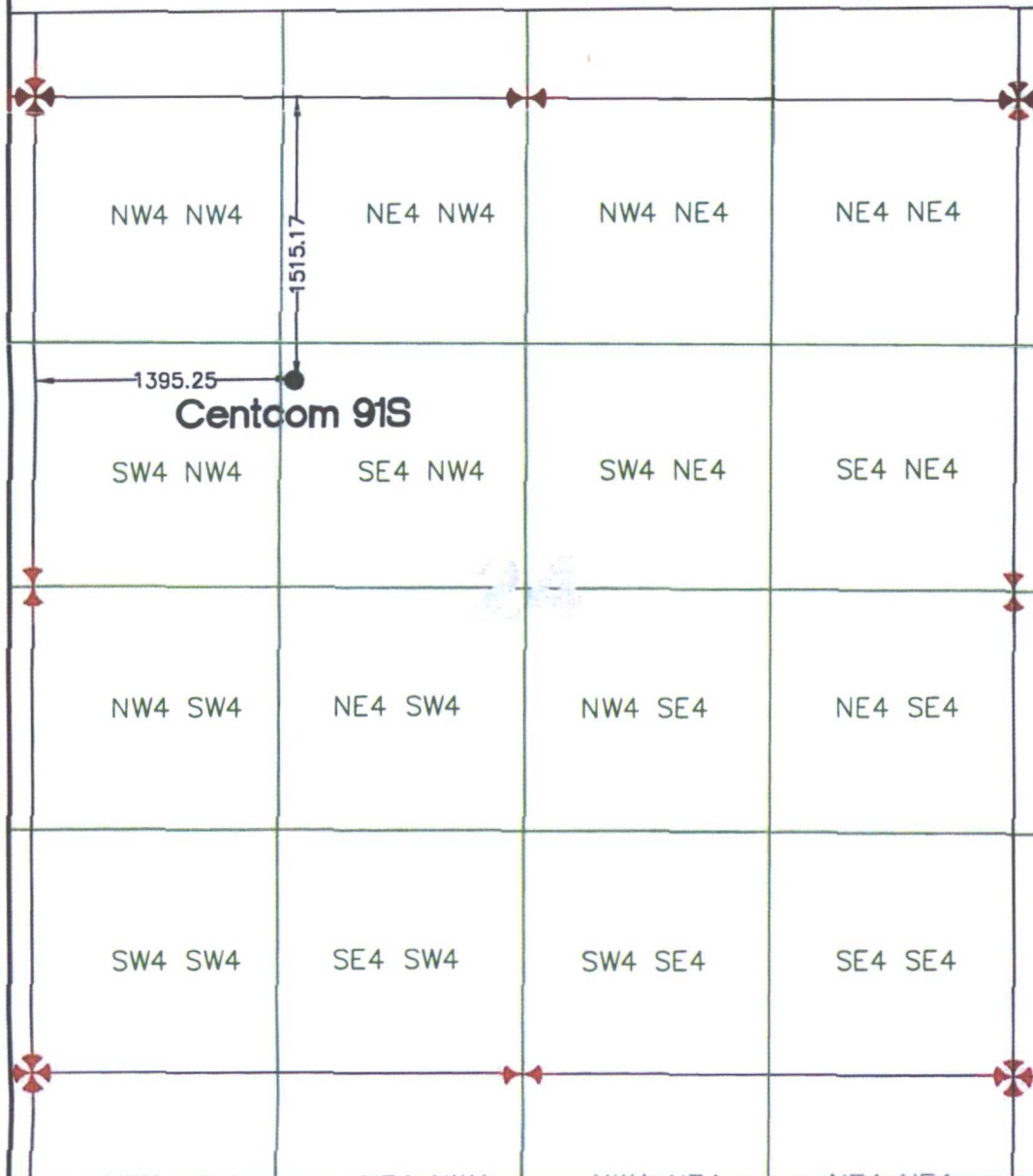
OPERATOR NAME, LEASE NAME, WELL NUMBER, API NUMBER, QUARTER/QUARTER LOCATION OR UNIT LETTER, SECTION, TOWNSHIP, AND RANGE. ALL INFORMATION HAS BEEN WELDED OR PERMANENTLY STAMPED ON THE MARKER'S SURFACE.

- ☒ The location has been leveled as nearly as possible to original ground contour and has been cleared of all junk, trash, flow lines and other production equipment.
- ☒ Anchors, dead men, tie downs and risers have been cut off at least two feet below ground level.
- ☒ If this is a one-well lease or last remaining well on lease, the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan. All flow lines, production equipment and junk have been removed from lease and well location.
- ☒ All metal bolts and other materials have been removed. Portable bases have been removed. (Poured onsite concrete bases do not have to be removed.)
- ☒ All other environmental concerns have been addressed as per OCD rules.
- ☒ Pipelines and flow lines have been abandoned in accordance with 19.15.35.10 NMAC. All fluids have been removed from non-retrieved flow lines and pipelines.
- ☒ If this is a one-well lease or last remaining well on lease: all electrical service poles and lines have been removed from lease and well location, except for utility's distribution infrastructure.

When all work has been completed, return this form to the appropriate District office to schedule an inspection.

SIGNATURE [Signature] TITLE Mine Geologist DATE 3/15/18
TYPE OR PRINT NAME Eric A. Herth E-MAIL: cherth@westmoreland.com PHONE: 505.598.2105
For State Use Only
APPROVED BY: Federal Well attached is the survey for the marker. TITLE _____ DATE _____

*P & A WELL SURVEY
CENTCOM 91S WELL LOCATED IN THE
SE/4 NW/4 SECTION 24, T.30N., R.15W.,
N.M.P.M., SAN JUAN COUNTY, NEW MEXICO.*



Denotes found BLM brass cap monument

NAD 83 Conversion

Lat: 36.80268°

Long: -108.37286°

NAD 1927 NEW MEXICO WEST

N: 2111878.18

E: 342228.17

Original Ground El. 5311

Lat: 36°48'09.74860"

Long: 108°22'22.36587"



SCALE: 1"=500'

I, Peter Epp, a Registered Professional Surveyor under the laws of the State of New Mexico, hereby certify that this plat was prepared from the field notes of a actual survey meeting the minimum requirements of the standards for oil well surveys and is true and correct to the best of my knowledge and belief.



Peter Epp P.L.S. New Mexico L.S. # 15512

Date:

14 JAN 15

CHECKED BY PE

DRAWN BY RG



**EPP & ASSOCIATES, INC.
PROFESSIONAL LAND SURVEYORS**

433 4th Avenue West
P.O. Box 837
Craig, CO 81625

Phone (970) 824-8236
Fax (970) 824-5227

Prepared for:
**State of New Mexico
Oil Conservation Commission**