Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires: July 31, 2010

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 page 2.

5. Lease Serial No.
NM-013688

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No
ATLANTIC A 101

2. Name of Operator
GREAT WESTERN DRILLING COMPANY

9. API Well No.
30-045-25340

3a. Address
PO Box 1659 MIDLAND, TEXAS 79702

3b. Phone No. *(include area code)*
432-682-5241

10. Field and Pool or Exploratory Area
BLANCO MESA VERDE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
UL "P" 1030' FSL & 1040' FEL SEC 22 T31N R10W

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			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ After Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☑ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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.)

SEE ATTACHED P&A PROCEDURE, WELLBORE DIAGRAM AND RECLAMATION PLAN

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

Title PRODUCTION SUPERVISOR

Signature Ralph Skinner Jr.

Date 10/26/2021

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Kenneth Rennick

Title Petroleum Engineer

Date 10/28/2021

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 Farmington Field 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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs, mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment.

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and grantingapproval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Great Western Drilling Company

Plug And Abandonment Procedure

Atlantic A #101

1030' FSL & 1040' FEL, Section 22, T31N, R10W

San Juan County, NM / API 30-045-25340

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM safety and environmental regulations. Test rig anchors prior to moving in rig if not rigged to base beam.

2. Check casing, tubing, and Bradenhead pressures.

3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

4. ND wellhead and NU BOP. Function test BOP.

5. TOOH with 7,433' of 2-3/8" J-55 production tubing.

6. P/U 4 ½" bit or casing scraper on 2-3/8" work string and round trip as deep as possible above top perforation at 7,440'.

7. P/U 4 ½" CR, TIH and set CR at +/- 7,390'. Pressure test tubing to 1000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate. POOH w/ tubing.

7. Rig up to pump cement down tubing. Pump water to establish rate down tubing.

   NOTE: All Plugs Include 100% excess outside casing and 50% Excess inside casing

8. **Plug 1 (Dakota Perforations and Dakota Formation Top 7,390'-7,328', 6 Sacks Class G Cement)**

   Mix 6 sx Class G cement and spot a balanced plug inside casing to cover Dakota perforations and formation top.

9. **Plug 2 (Gallup Formation Top 6,659'-6,509', 12 Sacks Class G Cement)**

   Mix 12 sx Class G cement and spot a balanced plug inside casing to cover Gallup formation top.

10. **Plug 3 (Mancos and Point Lookout(Mesa Verde Member) Formation Tops 5,496'-5,159', 26 Sacks Class G Cement)**

    Mix 26 sx Class G cement and spot a balanced plug inside casing to cover the Mancos and Point Lookout formation tops.

11. **Plug 4 (Menefee and Cliff House(Mesa Verde Members) Formation Tops 4,969'-4,720', 19 Sacks Class G Cement)**

    Mix 19 sx Class G cement and spot a balanced plug inside casing to cover the Menefee and Cliff House formation tops.

12. **Plug 5 (Chacra Formation Top 4,000'-3,850', 36 Sacks Class G Cement)**

    RIH and perforate squeeze holes at 4,000'. Establish injection rate into perforations at 4,000'. P/U CR, TIH and set at 3,950'. Mix 36 sx of Class G cement and squeeze 24 sx of cement through CR at 3,950' and into perforations at 4,000'. Sting out of CR and spot 12 sx of cement inside casing to cover the Chacra formation top.

13. **Plug 6 (Pictured Cliffs Formation Top 3,119'-2,969', 12 Sacks Class G Cement)**

Mix 12 sx Class G cement and spot a balanced plug inside casing to cover the Pictured Cliffs formation top.

14. **Plug 7 (Fruitland and Kirtland Formation Tops 2,500'-2,250', 19 Sacks Class G Cement)**

    Mix 19 sx Class G cement and spot a balanced plug inside casing to cover the Fruitland and Kirtland formation tops.

15. **Plug 8 (Ojo Alamo Formation Top 1,963'-1,688', 21 Sacks Class G Cement)**

    Mix 21 sx Class G cement and spot a balanced plug inside casing to cover Ojo Alamo formation top.

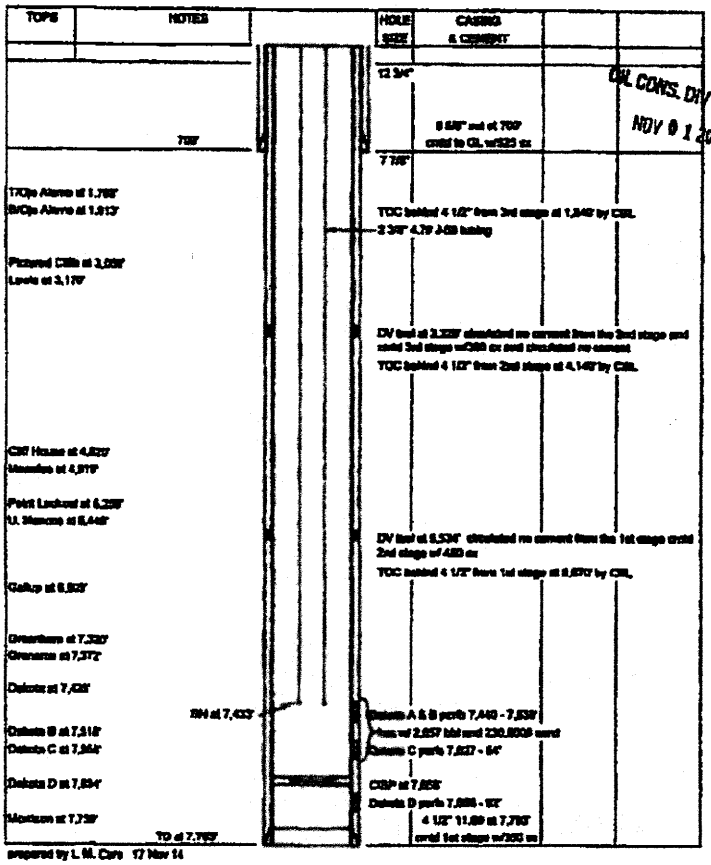
16. **Plug 9 (Nacimiento Formation Top, Surface Casing Shoe 759'-surface, 236 Sacks Class G Cement)**

    Attempt to pressure test the bradenhead annulus to 300 psi; note the volume to load. If BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 236 sx cement and spot a balanced plug from 759' to surface, circulate good cement out of casing valve. Shut well in and WOC. If BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 759' and the annulus from the squeeze holes to surface. Shut in well and WOC.

17. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and restore location per BLM stipulations.

Well: Atlantic A #101
Location: 1,030' FSL & 1,040' FEL
Sec 22 T31N R16W NMPM
San Juan County, New Mexico
API: 30-045-25340

Operator: Great Western Drilling Company
Spud date: 4/16/1982
Elevations: KB 6,329'
KB-GL 14'
GL 6,315'



prepared by L. M. Cara 17 Nov 14

OIL CONS. DIV DIST. 3
NOV 0 1 2017

Wellbore Diagram

Atlantic A #101
API #: 30-045-25340
San Juan County, New Mexico

Plug 9
759 feet - Surface
759 feet plug
236 sacks of Class G

Plug 8
1963 feet - 1688 feet
275 feet plug
21 sacks of Class G

Plug 7
2500 feet - 2250 feet
250 feet plug
19 sacks of Class G

Plug 6
3119 feet - 2969 feet
150 feet plug
12 sacks of Class G

Plug 5
4000 feet - 3850 feet
150 feet plug
36 sacks of Class G
24 sacks squeezed

Plug 4
4969 feet - 4720 feet
249 feet plug
19 sacks of Class G

Plug 3
5496 feet - 5159 feet
337 feet plug
26 sacks of Class G

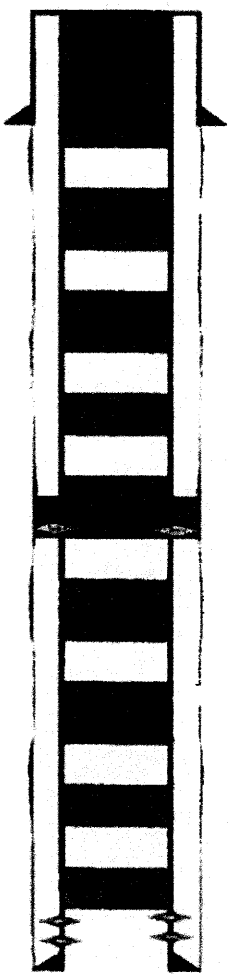
Plug 2
6659 feet - 6509 feet
150 feet plug
12 sacks of Class G

Plug 1
7390 feet - 7328 feet
62 feet plug
6 sacks of Class G

Perforations
7440 ft - 7538 ft
7627 ft - 7654 ft
7666 ft - 7692 ft

Surface Casing
8.625" 24# @ 709 ft

Formation
Ojo Alamo - 1788 ft
Pictured Cliffs - 3069 ft
Lewis - 3178 ft
Cliff House - 4820 ft
Menafee - 4919 ft
Point Lookout - 5259 ft
Upper Mancos - 5448 ft
Gallup - 6609 ft
Greenhorn - 7328 ft
Graneros - 7372 ft
Dakota - 7428 ft



Retainer @ 3950 feet

Retainer @ 7390 feet

Production Casing
4.5" 11.6# @ 7793 ft

envirotech

Reclamation Plan

Introduction

This Reclamation Plan (Plan) describes procedures for the reclamation of the well site identified as Atlantic A #101, which is operated by Great Western Drilling Company (GWD). The Plan includes final reclamation for a site which is no longer in operation and has been taken out of service and removed. Re-contouring, reseeding, noxious weed treatment, storm water mitigation and monitoring of the well site is discussed in the following sections.

All reclamation activities will be conducted in compliance with Bureau of Land Management (BLM) and New Mexico Oil and Gas Conservation Division (NMOCD) rules and regulations.

Facility Owner and Operator

a.) Facility Owner, Address and Telephone:

Great Western Drilling Company
700 West Louisiana
Midland, Texas 79701
(432) 682-5241

b.) Facility Operator, Address and Telephone:

Great Western Drilling Company
700 West Louisiana
Midland, Texas 79701
(432) 682-5241

Site Information

United States Department of Agriculture Natural Resources Conservation Service lists the dominant soil at the site as Badland-Rock outcrop-Persayo complex. Depth to a restrictive feature is listed as 0 to 2 inches; therefore, it is notable that topsoil is not prevalent at this location. Vegetation in the area consists of Pinyon-Juniper community with sparse understory.

Site Preparation

Plugging and abandonment of the well will be conducted per application regulations. All ancillary equipment will be removed from the site. All access roads will be closed, graded, and re-contoured to match surrounding grade. The well pad will have all gravel and road

base imported for site stabilization removed prior to site preparation for re-seeding. All imported gravel and road base will be removed from the from the site prior to re-seeding preparation.

Site preparation will include cross ripping substrate in order to minimize soil compaction. The substrate will be contoured to match the surrounding grade. Salvaged or imported topsoil will be distributed across the disturbed area.

Seed Bed Preparation

Seedbed preparation will consist of tilling or harrowing a seedbed to a depth of approximately three (3) inches. Drill seeding will then occur at a depth of 0.5 inches, and the BLM approved seed mix will be covered with soil and lightly compacted. Seed will be applied using a rangeland seed drill with a seed release and agitation mechanism sufficient to allow seeds of various size and density to be planted at the proper seeding depth.

If possible, seeding should be timed with a predicted precipitation event (snow fall or rain). Spring planting should be conducted after the frost line is gone from the soil.

Control Measures

To avoid erosion of topsoil and seed transport from storm events surface roughening and pocking will reduce storm water impact and capture and retain precipitation. This will aid in the germination of the seed and increase seed survival rate.

Reclamation Monitoring

Routine monitoring the reclamation progress will allow for early response to potential problems. Monitoring activities will examine several parameters including: the condition of implemented erosion control measures; growth state and success rate of areas seeded; presence and location of noxious weeds; and possible sources resulting in reclamation failure. Photographic documentation is required for all the above parameters for reclamation progress tracking. Monitoring activities will be conducted by qualified personnel and occur in the spring, summer, and fall. Monitoring will occur until 70% vegetation coverage (not including noxious weeds) has been reached.

Management of Invasive, Noxious, and Non-Native Species

GWD will practice and promote the following preventative measures for noxious and invasive plant management:

- Preventing the spread of weeds to non-infested areas by restricting vehicle traffic to stabilizing working/driving surfaces.
- Inspecting vehicles to ensure that noxious weeds and invasive plant parts have not attached themselves to the undercarriage.
- Re-seeding with treatment, as necessary, of bare ground within the reclamation area.

GWD staff will undertake incidental monitoring of noxious and invasive plant populations during scheduled inspections or management activities relating to nearby facilities. If populations are identified, treatment will be arranged. Treatment options can include:

- Mowing
- Hand Pulling
- Herbicide Foliar Application

Legend

- Areas of Reclamation

envirotech

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

MAP DRAWN BY
GB
10/25/2021

REVISIONS BY
BAH
10/25/2021

APPROVED BY
FRA
10/25/2021

Scale
1" = 30'

Figure 1, Reclamation Site Map

Great Western Drilling
Reclamation Plan
Atlantic A #101 Well Site
API: 30-045-25340
San Juan County, New Mexico
Section 22, Township 31N, Range 10W
Project #99010-0021

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. 30-045-25340

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.)

7. Lease Name or Unit Agreement Name: ATLANTIC A

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number: 101

2. Name of Operator: GREAT WESTERN DRILLING COMPANY

9. OGRID Number: 009338

3. Address of Operator: P.O. BOX 1659 MIDLAND, , TX 79702

10. Pool name or Wildcat: BASIN DAKOTA (PRORATED GAS)

4. Well Location
Unit Letter P : 1030 feet from the SOUTH line and 1040 feet from the EAST line
Section 22 Township 31N Range 10W NMPM County SAN JUAN

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 6315

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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.

12-17-21 MIRU P&A RIG. ND WELLHEAD. NU BOP. TOH W/ PRODUCTION TUBING. RIH W/ 4-1/2" CASING SCRAPER TO 7200'. TOH W/ SCRAPER. RIH W/ CEMENT RETAINER & SET AT 7389'. CIRCULATE HOLE. PRESSURE TEST CASING TO 500#. DID NOT HOLD. PUMP PLUG #1 (7389' – 7184') TO COVER DAKOTA USING 13 SX CMT. TOH W/ TUBING. WOC OVERNITE. RU WIRELINE. RIH & TAGGED PLUG #1 AT 7285'. RAN CBL FROM 7285' TO SURFACE. SENT CBL RESULTS TO BLM/NMOCD OFFICES. RIH W/ TUBING TO 6659'. PUMPED PLUG #2 (6659' – 6455') TO COVER GALLUP USING 13 SX CMT. WOC 4 HOURS. RIH & TAGGED PLUG #2 AT 6447'. PRESSURE TEST CASING TO 500#. DID NOT HOLD. PUMPED PLUG #3 (5496' – 5087') TO COVER MANCOS & POINT LOOKOUT USING 26 SX CMT. WOC OVER WEEKEND. RIH & TAGGED PLUG #3 AT 5024'. PUMPED PLUG #4 (4969' – 4669') TO COVER THE MENEFEE & CLIFF HOUSE USING 19 SX CMT. WOC OVERNITE. RIH & TAGGED PLUG #4 AT 4668'. PRODUCTION CASING WOULD NOT TEST. PUMPED PLUG #5 (3882' – 3582') TO COVER THE CHACRA USING 19 SX CMT. WOC 4 HOURS. RIH & TAG PLUG #5 AT 3565'. PRODUCTION CASING WOULD NOT TEST. PUMPED PLUG #6 (3119' – 2915') TO COVER PICTURED CLIFFS USING 13 SX CMT. WOC 4 HOURS. RIH & TAGGED PLUG #6 AT 2910'.

Spud Date: 04/16/1982 Rig Release Date: 05/13/1982

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

SIGNATURE Cary N Billingsley TITLE AREA ENGINEER DATE

Type or print name CARY BILLINGSLEY E-mail address: cbillingsley@gwdc.com PHONE: (432)682-5241

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

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. 30-045-25340
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.)

7. Lease Name or Unit Agreement Name: ATLANTIC A
1. Type of Well: Oil Well ☐ Gas Well ☒ Other
8. Well Number: 101
2. Name of Operator: GREAT WESTERN DRILLING COMPANY
9. OGRID Number: 009338
3. Address of Operator: P.O. BOX 1659 MIDLAND, , TX 79702
10. Pool name or Wildcat: BASIN DAKOTA (PRORATED GAS)

4. Well Location
Unit Letter P : 1030 feet from the SOUTH line and 1040 feet from the EAST line
Section 22 Township 31N Range 10W NMPM County SAN JUAN

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 6315

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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.

Page 2 - PRODUCTION CASING WOULD NOT TEST. PUMPED PLUG #7 (2745' – 2541') TO COVER THE FRUITLAND USING 13 SX CMT. WOC OVERNITE. RIH & TAG PLUG #7 AT 2512'. TEST PRODUCTION CASING TO 800#. HELD OK. RU WIRELINE. PERF SQUEEZE HOLE AT 1870'. ESTABLISH CIRCULATION FROM PERF TO BRADENHEAD. RIH & SET CEMENT RETAINER @ 1820'. PUMPED PLUG # 8 (1870' – 1770') TO COVER KIRTLAND USING 23SX CMT (SQUEEZED W/ 17SX). RIH & TAGGED PLUG #8 AT 1764'. 2 HOUR SHUT IN ON BRADENHEAD INDICATED NO PRESSURE BUILD-UP. BLM/NMOCD OK'D MOVE TO OJO ALAMO. RU WIRELINE. PERFORATED @ 1760'. ESTABLISHED CIRC FROM PERF TO BRADENHEAD. RIH W/ PACKER & SET AT 1479'. ESTABLISHED INJECTION RATE INTO PERF @ 1760'. PUMPED PLUG #9 (1764' – 1630') TO COVER OJO ALAMO USING 78SX CMT (SQUEEZED W/ 72SX CMT & REPUMPED 55SX CMT). WOC 4 HOURS. RIH & TAGGED PLUG #9 AT 1764'. ESTABLISHED INJECTION RATE INTO PERF AT 1760'. TOH W/ PACKER. RIH OPEN-ENDED TO 1388'. RIH & TAGGED PLUG #9 AT 1626'. TEST CASING TO 800#. HELD OK. RU WIRELINE. PERFORATED AT 759'. ESTABLISHED CIRC FROM PERF TO BRADENHEAD (USED 55 SX CMT). WOC OVERNITE. PERFORMED ONE HOUR TEST ON BRADENHEAD. NO BUILD-UP. BLM/NMOCD APPROVED CUTTING OFF WELLHEAD WHICH WAS DONE.

Spud Date: 04/16/1982 Rig Release Date: 05/13/1982

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

SIGNATURE [signature] TITLE AREA ENGINEER DATE

Type or print name CARY BILLINGSLEY E-mail address: cbillingsley@gwdc.com PHONE: (432)682-5241

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

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. 30-045-25340

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.)

7. Lease Name or Unit Agreement Name: ATLANTIC A

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number: 101

2. Name of Operator: GREAT WESTERN DRILLING COMPANY

9. OGRID Number: 009338

3. Address of Operator: P.O. BOX 1659 MIDLAND, , TX 79702

10. Pool name or Wildcat: BASIN DAKOTA (PRORATED GAS)

4. Well Location
Unit Letter P : 1030 feet from the SOUTH line and 1040 feet from the EAST line
Section 22 Township 31N Range 10W NMPM County SAN JUAN

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 6315

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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.

Page 3 - RAN WEIGHTED TALLY TAPE DOWN BOTH CASING STRINGS & TAGGED CEMENT 14' DOWN 8-5/8" SURFACE CASING & 83' DOWN 4-1/2" PRODUCTION CASING. RAN ¾" POLY PIPE DOWN BOTH STRINGS & TOPPED OFF BOTH STRINGS W/ 21SX CMT. INSTALLED P&A MARKER PER BLM/NMOCD STANDARDS. PHOTOGRAPHED THE P&A MARKER IN PLACE & RECORDED ITS LOCATION VIA GPS COORDINATES. RD P&A RIG ON 1-11-22

Spud Date: 04/16/1982 Rig Release Date: 05/13/1982

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

SIGNATURE CNB TITLE AREA ENGINEER DATE

Type or print name CARY BILLINGSLEY E-mail address: cbillingsley@gwdc.com PHONE: (432)682-5241

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

Wellbore Diagram

Atlantic A #101
API #: 30-045-25340
San Juan County, New Mexico

Plug 9
759 feet - Surface
759 feet plug
242 sacks of Type III
21 sacks for top-off

Plug 8
1870 feet - 1626 feet
244 feet plug
78 sacks of Type III
72 sacks squeezed
55 sacks re-pumped

Plug 7
2745 feet - 2512 feet
233 feet plug
13 sacks of Type III

Plug 6
3119 feet - 2910 feet
209 feet plug
13 sacks of Type III

Plug 5
3882 feet - 3565 feet
317 feet plug
19 sacks of Type III

Plug 4
4969 feet - 4668 feet
301 feet plug
19 sacks of Type III

Plug 3
5496 feet - 5024 feet
472 feet plug
26 sacks of Type III

Plug 2
6659 feet - 6447 feet
212 feet plug
13 sacks of Type III

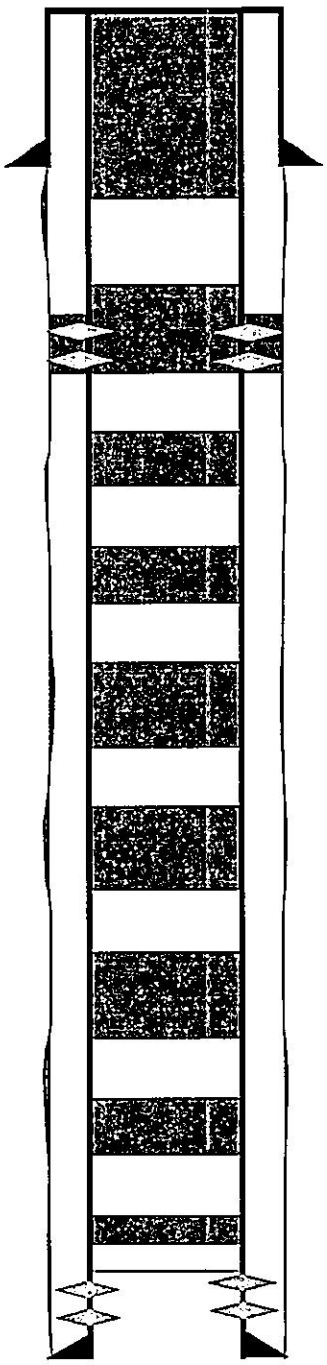
Plug 1
7389 feet - 7285 feet
104 feet plug
13 sacks of Type III

Perforations
7440 ft - 7538 ft
7627 ft - 7654 ft
7666 ft - 7692 ft

Surface Casing
8.625" 24# @ 709 ft

Formation
Ojo Alamo - 1788 ft
Pictured Cliffs - 3069 ft
Lewis - 3170 ft
Cliff House - 4820 ft
Menafee - 4919 ft
Point Lookout - 5259 ft
Upper Mancos - 5448 ft
Gallup - 6609 ft
Greenhorn - 7320 ft
Graneros - 7372 ft
Dakota - 7428 ft

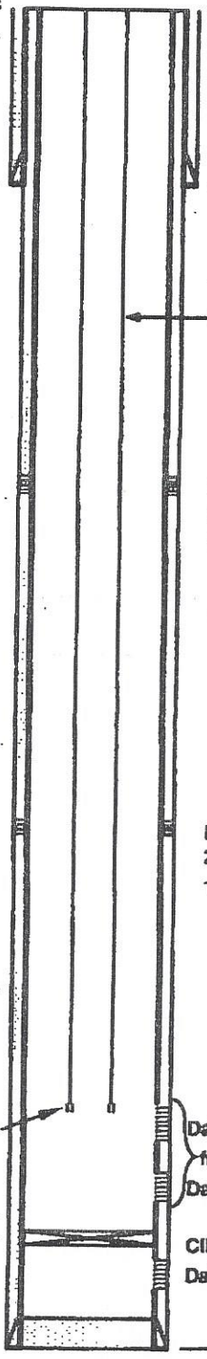
Production Casing
4.5" 11.6# @ 7793 ft



Retainer @ 7389 feet

Well:	Atlantic A #101
Location:	1,030' FSL & 1,040' FEL
	Sec 22 T31N R10W NMPM
	San Juan County, New Mexico
API:	30-045-25340

Operator:	Great Western Drilling Company	
Spud date:		4/16/1982
Elevations:	KB	6,329'
	KB-GL	14'
	GL	6,315'



TOPS	NOTES
	709'
T/Ojo Alamo at 1,788'	
B/Ojo Alamo at 1,913'	
Pictured Cliffs at 3,069'	
Lewis at 3,170'	
Cliff House at 4,820'	
Menafee at 4,919'	
Point Lookout at 5,259'	
U. Mancos at 5,446'	
Gallup at 6,609'	
Greenhorn at 7,320'	
Graneros at 7,372'	
Dakota at 7,428'	
	SN at 7,433'
Dakota B at 7,518'	
Dakota C at 7,558'	
Dakota D at 7,654'	
Morrison at 7,759'	
	TD at 7,793'

HOLE SIZE	CASING & CEMENT
12 3/4"	8 5/8" set at 709' cmtd to GL w/525 sx
7 7/8"	TOC behind 4 1/2" from 3rd stage at 1,840' by CBL
	2 3/8" 4.7# J-55 tubing
	DV tool at 3,328' circulated no cement from the 2nd stage and cmtd 3rd stage w/350 sx and circulated no cement
	TOC behind 4 1/2" from 2nd stage at 4,140' by CBL
	DV tool at 5,534' circulated no cement from the 1st stage cmtd 2nd stage w/ 450 sx
	TOC behind 4 1/2" from 1st stage at 5,670' by CBL
	Dakota A & B perfs 7,440 - 7,538'
	frac w/ 2,657 bbl and 230,800# sand
	Dakota C perfs 7,627 - 54'
	CIBP at 7,656'
	Dakota D perfs 7,668 - 92'
	4 1/2" 11.6# at 7,793'
	cmtd 1st stage w/350 sx

prepared by L. M. Cure 17 Nov 14

Wellbore Diagram

Atlantic A #101
API #: 30-045-25340
San Juan County, New Mexico

Plug 9
759 feet - Surface
759 feet plug
236 sacks of Class G

Plug 8
1963 feet - 1688 feet
275 feet plug
21 sacks of Class G

Plug 7
2500 feet - 2250 feet
250 feet plug
19 sacks of Class G

Plug 6
3119 feet - 2969 feet
150 feet plug
12 sacks of Class G

Plug 5
4000 feet - 3850 feet
150 feet plug
36 sacks of Class G
24 sacks squeezed

Plug 4
4969 feet - 4720 feet
249 feet plug
19 sacks of Class G

Plug 3
5496 feet - 5159 feet
337 feet plug
26 sacks of Class G

Plug 2
6659 feet - 6509 feet
150 feet plug
12 sacks of Class G

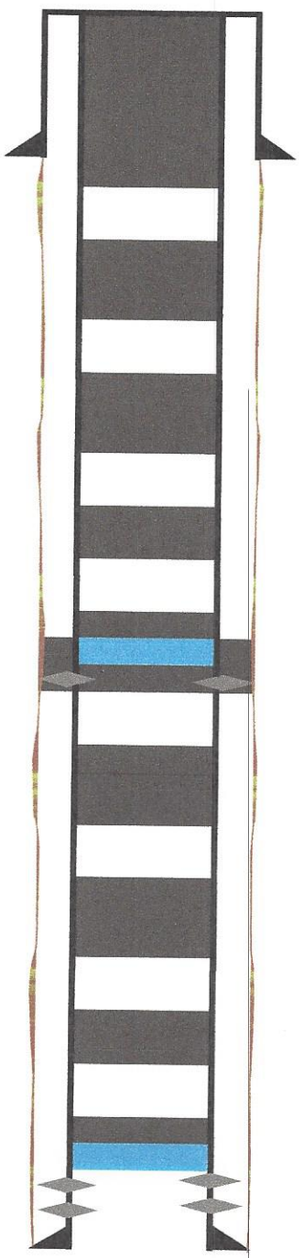
Plug 1
7390 feet - 7328 feet
62 feet plug
6 sacks of Class G

Perforations
7440 ft - 7538 ft
7627 ft - 7654 ft
7666 ft - 7692 ft

Surface Casing
8.625" 24# @ 709 ft

Formation
Ojo Alamo - 1788 ft
Pictured Cliffs - 3069 ft
Lewis - 3170 ft
Cliff House - 4820 ft
Menafee - 4919 ft
Point Lookout - 5259 ft
Upper Mancos - 5448 ft
Gallup - 6609 ft
Greenhorn - 7320 ft
Graneros - 7372 ft
Dakota - 7428 ft

Production Casing
4.5" 11.6# @ 7793 ft



Retainer @ 3950 feet

Retainer @ 7390 feet

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 10/27/2021

Well No. Atlantic A #101 (API# 30-045-25340)		Location	1030 FSL	&	1040 FEL	
Lease No. NMNM-013688		Sec. 22	T31N		R10W	
Operator Great Western Drilling Company		County	San Juan	State	New Mexico	
Total Depth 7794'	PBTD 7735'	Formation	Dakota			
Elevation (GL) 6315'		Elevation (KB)	6329'			

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm			Surface	1730	Fresh water sands
Ojo Alamo Ss			1730	1910	Aquifer (fresh water)
Kirtland Shale			1910	2695	
Fruitland Fm			2695	3069	Coal/Gas/Possible water
Pictured Cliffs Ss			3069	3200	Gas
Lewis Shale			3200	3832	
Chacra (La Ventana)			3832	4820	
Cliff House Ss			4820	4919	Water/Possible gas
Menefee Fm			4919	5259	Coal/Ss/Water/Possible O&G
Point Lookout Ss			5259	5446	Probable water/Possible O&G
Mancos Shale			5446	6609	
Gallup			6609	7320	O&G/Water
Greenhorn			7320	7372	
Graneros Shale			7372	7428	
Dakota Ss			7428	PBTD	O&G/Water

Remarks:
P & A

- BLM picks for the Graneros, Chacra, Lewis, Fruitland, Kirtland and Ojo Alamo formation tops vary from operator picks.
- **No CBL on file, recommend running a CBL prior to pumping any plugs.** we have a CBL dated 5-22-82
- **Bring the top of Plug #5 (Chacra) up to 3732' (BLM picks the Chacra @ 3832).**
- **Adjust Plug #7 to cover the interval from 2745' – 2595' (BLM picks the Fruitland @ 2695').**
- **Adjust Plug #8 to cover the interval from 1960' – 1630' (BLM picks the Ojo Alamo @ 1730' and the Kirtland @ 1910').**
- The plugs proposed in the P&A procedure, with changes as recommended above, will adequately protect any freshwater sands in this well bore.
- Dakota perfs @ 7440' – 7692'.

Reference Well:
1) **Formation Tops**
Same

Prepared by: *Chris Wenman*

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon

Re: Permanent Abandonment
Well: Atlantic A 101

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. The following modifications to your plugging program are to be made:

   a) Bring the top of Plug #5 (Charca) up to 3732 feet (BLM picks the Chacra at 3832 feet).
   b) Adjust Plug #7 to cover the interval from 2745 feet to 2595 feet. (BLM picks the Fruitland at 2695 feet).
   c) Adjust Plug #8 to cover the interval from 1960 feet to 1630 feet (BLM picks the Ojo Alamo at 1730 feet and the Kirtland at 1910 feet).

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 10/28/2021

GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON FIELD OFFICE

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 **A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H_2S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

(October 2012 Revision)

Table 1. Reclamation Goal for Sagebrush/Grass Community

Functional Group	*Percent (%) Foliar Cover*	*Common Species*
Trees/Shrubs/Grasses/Forbs	≥35	Utah Juniper-Pinyon pine; big sagebrush, four-wing saltbush , antelope bitterbrush, alkali sacaton, Western wheatgrass, Indian ricegrass, galleta, sand dropseed, scarlet globemallow, wooly Indianwheat , fleabane, Penstemon spp., buckwheat, threadleaf groundsel
Invasive/undesirables **10% allowed toward meeting standard of 35%.**	≤10	Plants that have the potential to become a dominant species on a site where its presence is a detriment to revegetation efforts or the native plant community. Examples of invasive species include cheatgrass, Russian thistle, kochia.

Table 2. Menu based seed mix for use in reclamation for sagebrush/grass community (minimum requirement) **

Common Name	Scientific Names	Variety	Season	Form	PLS lbs/acre*
Plant two of the following:					
Fourwing saltbush	*Atriplex canescens*	VNS	Cool	Shrub	2.0
Antelope bitterbrush	*Purshia tridentata*	VNS	Cool	Shrub	2.0
Winterfat	*Krascheninnikovia lanata*	VNS	Cool	Shrub	2.0
And three of the following:					
Indian ricegrass	*Achnatherum hymenoides*	Paloma or Rimrock	Cool	Bunch	4.0
Blue grama	*Bouteloua gracilis*	Alma or Hachita	Warm	Sod-forming	2.0
Galleta	*Pleuraphis jamesii*	Viva florets	Warm	Bunch/Sod-forming	3.0
Sand dropseed	*Sporobolus cryptandrus*	VNS	Warm	Bunch	0.5
Western wheatgrass	*Pascopyrum smithii*	Arriba	Cool	Sod-forming	4.0
And one of the following:					
Bottle brush squirreltail	*Elymus elymoides*	Tusas or VNS	Cool	Bunch	3.0
Siberian wheatgrass	*Agropyron fragile*	Vavilov	Cool	Bunch	3.0
And two of the following					
Small burnet	*Sanguisorba minor*	Delar	Cool	Forb	2.0
Rocky Mtn. bee plant	*Cleome serrulata*	Local collection or VNS	Cool	Forb	0.25
Blue flax	*Linum lewisii*	Apar	Cool	Forb	0.25

****Based on 60 pure live seeds (PLS) per square foot, drill seeded. Double this rate (120 PLS per square foot) if broadcast or hydroseeded.**Based on 60 pure live seeds (PLS) per square foot, drill seeded. Double this rate (120 PLS per square foot) if broadcast or hydroseeded.**

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 104361

CONDITIONS

Operator: GREAT WESTERN DRILLING CO P.O. Box 1659 Midland, TX 79701	OGRID: 9338
	Action Number: 104361
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	5/16/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	5/16/2022