

<b>Well Name:</b> SIXTEEN G S COM	<b>Well Location:</b> T24N / R9W / SEC 7 / SWSW / 36.32419 / -107.83658	<b>County or Parish/State:</b> SAN JUAN / NM
<b>Well Number:</b> 91	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM25433	<b>Unit or CA Name:</b> 91S SIXTEEN G'S COM - S/2 FRCL	<b>Unit or CA Number:</b> NMNM112629
<b>US Well Number:</b> 300453514400S1	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> DUGAN PRODUCTION CORPORATION

**Notice of Intent****Sundry ID:** 2729667**Type of Submission:** Notice of Intent**Type of Action:** Plug and Abandonment**Date Sundry Submitted:****Time Sundry Submitted:****Date proposed operation will begin:** 05/17/2023

**Procedure Description:** Dugan Production plans to plug and abandon the well per the following procedure: 1) Run 4½" casing scraper to 1700'. RIH & set 4½" CIBP @ 1684'. Fruitland Coal perforations @ 1734'-1746'. Load hole. Pressure test casing to 600 psi for 30 mins. 2) Spot inside Plug I above CIBP @ 1684' w/34 sks (39.1 cu ft) Class G neat cement to 1270' to cover the Fruitland top (5 gal/sk, 15.8 #/gal, 1.15 cu ft/sk). Plug I, inside 4½" casing, 1270'-1684', Fruitland, 34 sks, 39.1 cu ft. 3) Spot inside Plug II from 1028' w/20 sks (23 cu ft) Class G neat cement to 786' to cover the Ojo Alamo-Kirtland tops. Plug II, inside 4½" casing, 786'-1028', Ojo Alamo-Kirtland, 20 sks, 23 cu ft. 4) Spot inside Plug III from 227' w/18 sks Class G neat cement (20.7 cu ft) to surface casing shoe. Fill 4½" casing and bring cement to surface. Plug III, inside 4½" casing, 0-227', Surface, 18 sks, 20.7 cu ft. 5) Cut wellhead off. Fill casing w/cement in case needed. Install dry hole marker. 6) Clean location. Rig down and move.

**Surface Disturbance****Is any additional surface disturbance proposed?:** No**NOI Attachments****Procedure Description**

Sixteen\_Gs\_Com\_91\_Reclamation\_Plan\_20230508145642.pdf

Sixteen\_Gs\_Com\_91\_PA\_Formation\_Tops\_20230508145622.pdf

Sixteen\_Gs\_Com\_91\_PA\_planned\_wellbore\_schematic\_20230508145611.pdf

Sixteen\_Gs\_Com\_91\_PA\_current\_wellbore\_schematic\_20230508145602.pdf

Accepted for record – NMOCD

JRH

05/17/2023

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Sixteen\_Gs\_Com\_91\_PA\_Planned\_Procedure\_20230508145543.pdf

**Conditions of Approval****Specialist Review**

General\_Requirement\_PxA\_20230508174754.pdf

24N9W7\_Sixteen\_G\_S\_Com\_91\_Geo\_KGR\_20230508174742.pdf

2729667\_NOIA\_91\_3004535144\_KR\_05082023\_20230508174742.pdf

**Operator**

*I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a*

**Operator Electronic Signature:** TYRA FEIL**Signed on:** MAY 08, 2023 02:57 PM**Name:** DUGAN PRODUCTION CORPORATION**Title:** Authorized Representative**Street Address:** PO Box 420**City:** Farmington**State:** NM**Phone:** (505) 325-1821**Email address:** tyrafeil@duganproduction.com**Field****Representative Name:** ALIPH REENA**Street Address:** PO BOX 420**City:** FARMINGTON**State:** NM**Zip:** 87499-0420**Phone:** (505)325-1821**Email address:** Aliph.Reena@duganproduction.com**BLM Point of Contact****BLM POC Name:** KENNETH G RENNICK**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5055647742**BLM POC Email Address:** krennick@blm.gov**Disposition:** Approved**Disposition Date:** 05/08/2023**Signature:** Kenneth Rennick

**Planned P & A Procedure**

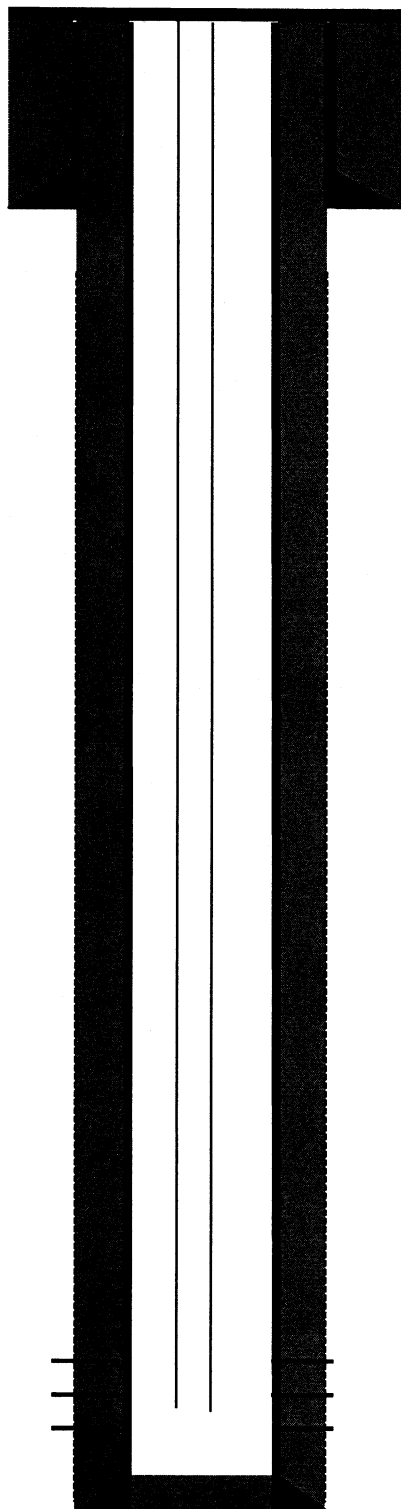
Sixteen G's Com 91  
NM 25433 30-045-35144  
Basin Fruitland  
1050' FSL & 790' FWL  
Unit M, S7 T24N R9W  
San Juan County, NM  
Lat:36.324192 Long:-107.836586

Dugan Production plans to plug and abandon the well per the following procedure:

- Run 4½" casing scraper to 1700'. RIH & set 4½" CIBP @ 1684'. Fruitland Coal perforations @ 1734'-1746'. Load hole. Pressure test casing to 600 psi for 30 mins.
- Spot inside Plug I above CIBP @ 1684' w/34 sks (39.1 cu ft) Class G neat cement to 1270' to cover the Fruitland top (5 gal/sk, 15.8 #/gal, 1.15 cu ft/sk). Plug I, inside 4½" casing, 1270'-1684', Fruitland, 34 sks, 39.1 cu ft.
- Spot inside Plug II from 1028' w/20 sks (23 cu ft) Class G neat cement to 786' to cover the Ojo Alamo-Kirtland tops. Plug II, inside 4½" casing, 786'-1028', Ojo Alamo-Kirtland, 20 sks, 23 cu ft.
- Spot inside Plug III from 227' w/18 sks Class G neat cement (20.7 cu ft) to surface casing shoe. Fill 4½" casing and bring cement to surface. Plug III, inside 4½" casing, 0-227', Surface, 18 sks, 20.7 cu ft.
- Cut wellhead off. Fill casing w/cement in case needed. Install dry hole marker.
- Clean location. Rig down and move.

**Current Wellbore Schematic**

Sixteen G's Com 91  
30-045-35144  
Basin Fruitland  
1050' FSL & 790' FWL  
S7 T24N R9W  
San Juan County, NM  
Lat:36.324192 Long:-107.836586



7" 20# casing @ 127'. Cemented with 90 sks Class B cement w/2% CaCl<sub>2</sub>.  
Hole size: 12 1/4". Circulate 5 bbls cement to surface.

**4 1/2" 10.5# casing @ 1918'. Hole size: 6-1/4"**

Cement production casing w/ 110 sks premium lite followed by 50 sks  
Class B. 303 cu.ft total cement. Circulated 10 bbls cement to surface.

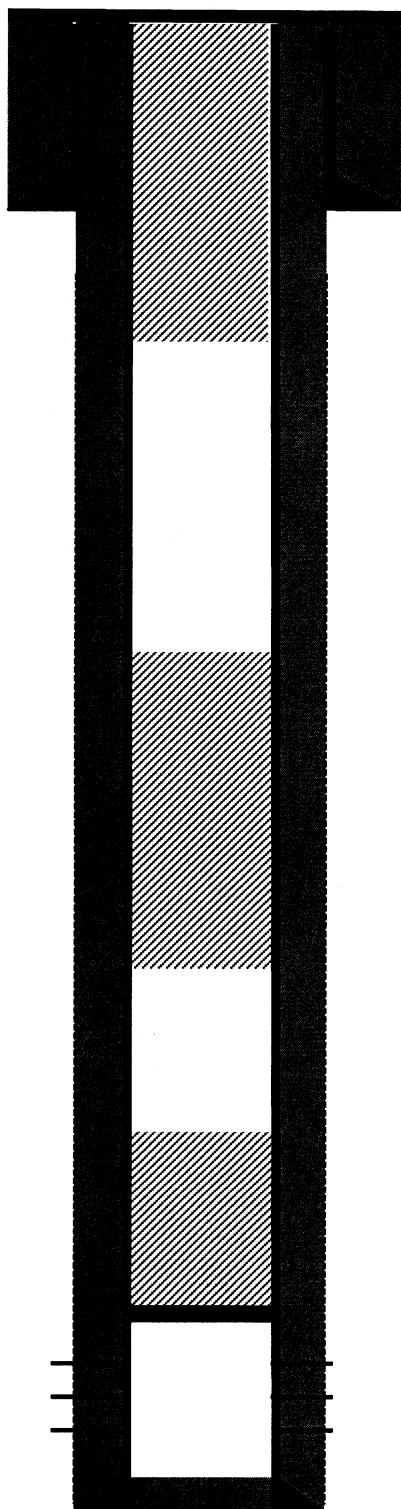
**2-3/8", 4.7# 1760'**

Fruitland Coal Perforated @ 1734' – 1746'

PBTD @ 1888', TD 1925'

**Completed Wellbore Schematic**

Sixteen G's Com 91  
 30-045-35144  
 Basin Fruitland  
 1050' FSL & 790' FWL  
 S7 T24N R9W  
 San Juan County, NM  
 Lat:36.324192 Long:-107.836586



7" 20# casing @ 127'. Cemented with 90 sks Class B cement w/2% CaCl<sub>2</sub>.  
 Hole size: 12 1/4". Circulate 5 bbls cement to surface.

Plug III, inside 4 1/2" casing, 0-227', Surface, 18 sks, 20.7 Cu.ft.

**4 1/2" 10.5# casing @ 1918'. Hole size: 6-1/4"**

Cement production casing w/ 110 sks premium lite followed by 50 sks  
 Class B. 303 cu.ft total cement. Circulated 10 bbls cement to surface.

Plug II, Inside 4 1/2" casing, 786'-1028', Ojo Alamo-Kirtland, 20  
 sks, 23 Cu.ft

Set 4 1/2" CIBP @ 1684'.

Plug I, Inside 4 1/2" casing, 1270'-1684', Fruitland, 34 sks, 39.1 Cu.ft.

Fruitland Coal Perforated @ 1734' - 1746'

PBTD @ 1888', TD 1925'

Sixteen G's Com 91  
30-045-35144  
Basin Fruitland  
1050' FSL & 790' FWL  
S7 T24N R9W  
San Juan County, NM  
Lat:36.324192 Long:-107.836586

**Formation Tops**

- **Ojo Alamo - 886**
- **Kirtland - 978**
- **Fruitland - 1370**

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

AFMSS 2 Sundry ID 2729667

Attachment to notice of Intention to Abandon

Well: Sixteen G S Com 91

**CONDITIONS OF APPROVAL**

1. Plugging operations must be completed by December 31, 2023.
2. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

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 05/08/2023

**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<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) 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.

(March 2023 Revision)

# BLM FLUID MINERALS P&A Geologic Report

**Date Completed:** 05/08/2023

Well No. Sixteen G S Com 91	Location	SWSW			
Lease No. NMNM25433	Sec. 7	T24N			R9W
Operator Dugan Production Corporation	County	San Juan	State		New Mexico
Total Depth 1925'	PBTD 1888'	Formation	Fruitland Coal		
Elevation (GL) 6891'					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/freshwater sands
Nacimiento Fm					Possible freshwater sands
Ojo Alamo Ss	886				Aquifer (possible freshwater)
Kirtland Shale	978				
Fruitland Fm	1370				Coal/Gas/Possible water
Pictured Cliffs Ss					Gas
Lewis Shale					
Chacra					Gas
Cliff House Ss					Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale					
Gallup					O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:  
P & A

Reference Well:

No SP or a Resistivity log available. Used formation tops provided by operator.  
Appropriate for the area.

**Prepared by: Kenneth Rennick**

**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 214946

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 214946
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	5/17/2023