

Well Name: DOME NAVAJO 28-22-6	Well Location: T22N / R6W / SEC 28 / NESW / 36.106372 / -107.477977	County or Parish/State: SANDOVAL / NM
Well Number: 4	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N00C14205045	Unit or CA Name:	Unit or CA Number:
US Well Number: 300432047600S1	Well Status: Producing Gas Well	Operator: DUGAN PRODUCTION CORPORATION

Notice of Intent**Sundry ID:** 2727321**Type of Submission:** Notice of Intent**Type of Action:** Plug and Abandonment**Date Sundry Submitted:** 04/24/2023**Time Sundry Submitted:** 11:40**Date proposed operation will begin:** 05/31/2023

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'. Chacra perforations @ 1734'-1756'. Load hole. Pressure test casing to 600 psi for 30 mins. Run CBL from 1684' to surface. 2) Spot inside Plug I above CIBP from 1684' w/38 sks (43.7 cu ft) Class G neat cement to cover Chacra and Pictured Cliffs tops from 1684' to 1208' (5 gal/sk, 15.8#/gal, 1.15 cu ft/sk). Plug I, inside 4½" casing, 1208'-1684', Pictured Cliffs-Chacra, 38 sks, 43.7 cu ft. 3) Spot inside Plug II from 800' w/64 sks Class G neat cement (73.6 cu ft) to surface. Plug II, inside 4½" casing, 0-800', Surface-Ojo Alamo-Kirtland-Fruitland, 64 sks, 73.6 cu ft. 4) Cut wellhead off. Fill casing w/cement in case needed. Install dry hole marker. 5) Clean location. Rig down and move.

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

Dome_Navajo_28_22_6_4_Reclamation_Plan_20230424113505.pdf
 Dome_Navajo_28_22_6_4_PA_Formation_Tops_20230424113453.pdf
 Dome_Navajo_28_22_6_4_PA_planned_wellbore_schematic_20230424113435.pdf
 Dome_Navajo_28_22_6_4_PA_current_wellbore_schematic_20230424113426.pdf

Accepted for record – NMOCD

JRH

05/02/2023

Well Name: DOME NAVAJO 28-22-6	Well Location: T22N / R6W / SEC 28 / NESW / 36.106372 / -107.477977	County or Parish/State: SANDOVAL / NM
Well Number: 4	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
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US Well Number: 300432047600S1	Well Status: Producing Gas Well	Operator: DUGAN PRODUCTION CORPORATION

Dome_Navajo_28_22_6_4_PA_proposed_plan_20230424113413.pdf

Conditions of Approval**Additional**

22N06W28KKmv_Dome_Navajo_28_22_6_004_20230426110335.pdf

Authorized

2727321_NOIA_4_3004320476_KR_04262023_20230426115031.pdf

General_Requirement_PxA_20230426114947.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

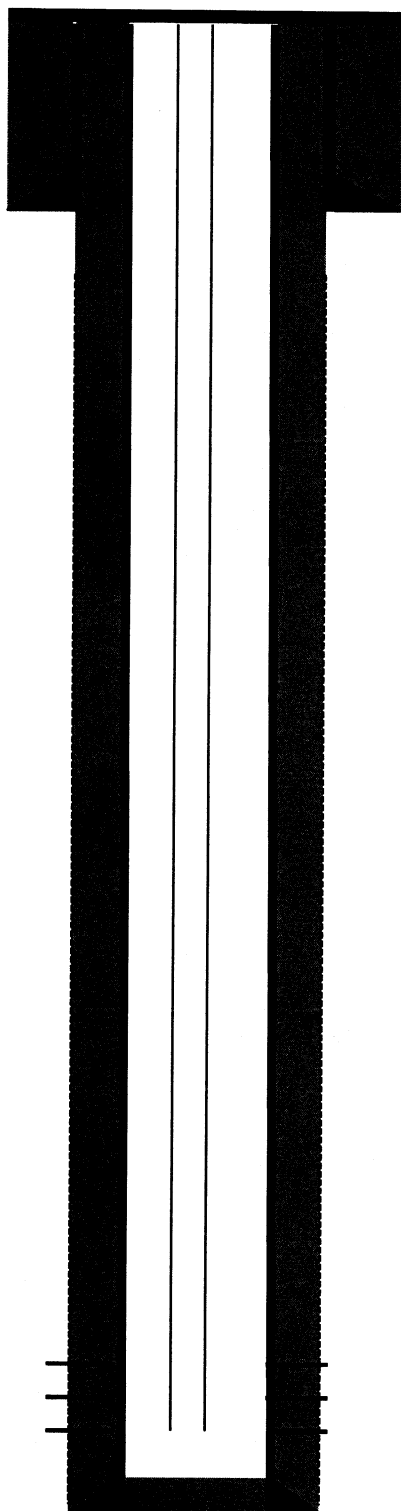
Operator Electronic Signature: TYRA FEIL**Signed on:** APR 24, 2023 11:35 AM**Name:** DUGAN PRODUCTION CORPORATION**Title:** Authorized Representative**Street Address:** PO Box 420**City:** Farmington**State:** NM**Phone:** (505) 325-1821**Email address:** tyrafeil@duganproduction.com**Field****Representative 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:** 04/26/2023**Signature:** Kenneth Rennick

Dugan production plan to plug and abandon the well per the following procedure.

- Run 4 ½" Casing scrapper to 1700'. RIH & Set 4 ½" CIBP @ 1684'. Chacra perforations @ 1734'-1756'. Load hole. Pressure test casing to 600 psi for 30 mins. Run CBL from 1684' to surface.
- Spot Inside plug I above CIBP from 1684' w/ 38 sks (43.7 cu.ft) Class G neat cement to cover Chacra and Pictured Cliffs tops from 1684' to 1208'. (5 gal/sk, 15.8 #/gal, 1.15 cu.ft/sk). Plug I, Inside 4 ½" casing, 1208'-1684', Pictured Cliffs-Chacra, 38 sks, 43.7 Cu.ft.
- Spot Inside plug II from 800' w/ 64 sks Class G neat cement (73.6 cu.ft) to surface.. Plug II, inside 4 ½" casing, 0-800', Surface-Ojo Alamo-Kirtland-Fruitland, 64 sks, 73.6 Cu.ft.
- Cut Wellhead off. Fill casing w/ cement incase needed. Install dry hole marker.
- Clean location. Rig down and move.

Current wellbore Schematic

Dome Navajo 28-22-6 # 4
30-043-20476
Basin Fruitland
1720' FSL & 1640' FWL
S28 T22N R6W
Sandoval County, NM
Lat:36.106369 Long:-107.4780045



8-5/8" 24# casing @ 137'. Cemented with 100 sks Class B cement w/2% CaCl₂. Hole size: 12 1/4". Circulate cement to surface.

4 1/2" 10.5# casing @ 2190'. Hole size: 6-3/4"

Cement production casing w/ 175 sks 65-35 Poz w/ 6% gel followed by 125 sks Class B. Circulated cement to surface.

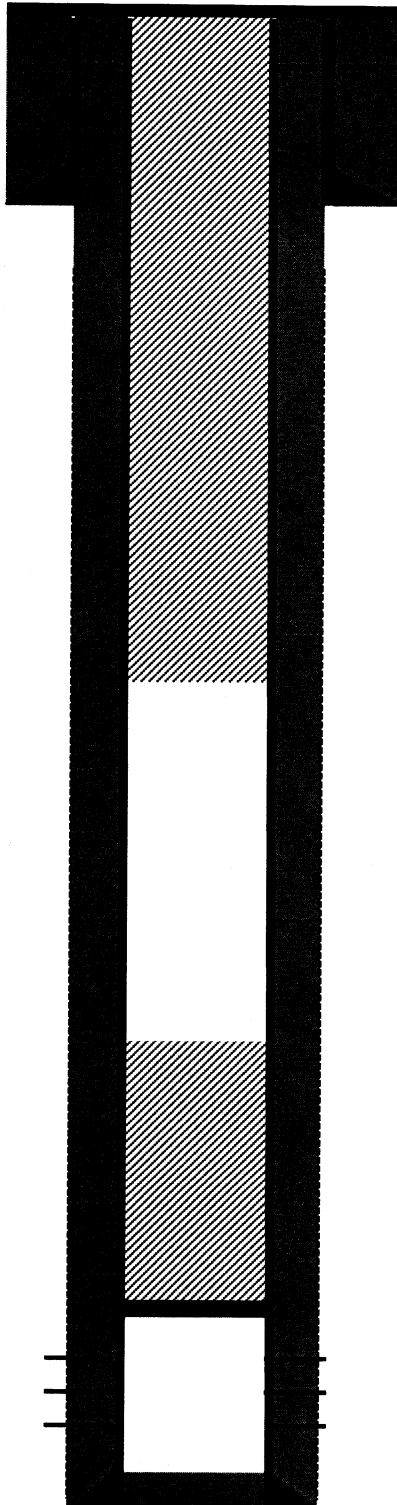
2-3/8" casing @ 1752'

Chacra Perforated @ 1734' – 1756'

PBTD @ 2147', TD 2200'

Planned P & A wellbore Schematic

Dome Navajo 28-22-6 # 4
30-043-20476
Basin Fruitland
1720' FSL & 1640' FWL
S28 T22N R6W
Sandoval County, NM
Lat:36.106369 Long:-107.4780045



8-5/8" 24# casing @ 137'. Cemented with 100 sks Class B cement w/2% CaCl₂. Hole size: 12 1/4". Circulate cement to surface.

Spot inside plug II from 800' w/ 64 sks Class G Cement (73.6 cu.ft) to surface. Plug II, Surface, 0'-800'

4 1/2" 10.5# casing @ 2190'. Hole size: 6-3/4"

Cement production casing w/ 175 sks 65-35 Poz w/ 6% gel followed by 125 sks Class B. Circulated cement to surface.

Set 4 1/2" CIBP @ 1684'. Spot Inside Plug I with 38 sks (43.7 cu.ft) @ 1208'-1684' Class G cement. Plug I, PC-Chacra, 1208'-1648'

Chacra Perforated @ 1734' - 1756'

PBTD @ 2147', TD 2200'

Dome Navajo 28-22-6 # 4
30-043-20476
Basin Fruitland
1720' FSL & 1640' FWL
S28 T22N R6W
Sandoval County, NM
Lat:36.106369 Long:-107.4780045

Formation Tops

- Ojo Alamo - 318
- Kirtland - 416
- Fruitland - 750
- Pictured Cliffs - 1308
- Chacra - 1700

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 4/26/2023

Well No. Dome Navajo 28-22-6 #004 (API# 30-043-20476)	Location	1720	FSL	&	1640	FWL
Lease No. N00C14205045	Sec. 28	T22N			R06W	
Operator Dugan Production Corporation	County	Sandoval		State	New Mexico	
Total Depth 2200'	PBTD 2147'	Formation Chacra				
Elevation (GL) 6913'		Elevation (KB)				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimient			Surface	318	Surface/possible freshwater sands
Ojo Alamo Ss			318	350	Aquifer (possible freshwater)
Kirtland Shale			350	750	Possible gas
Fruitland			750	1308	Coal/Gas/Water
Pictured Cliffs Ss			1308	1425	Probable Gas
Lewis Shale			1425	1700	
Chacra			1700	2070	Gas
Cliff House Ss			2070	PBTD	Probable gas
Menefee					
Point Lookout Ss					
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- Sundry ID: 2727321
- BLM pick for the Fruitland varies from Operator. No plug change required.
- Chacra perms 1734' – 1756'.

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**

AFMSS 2 Sundry ID 2727321

Attachment to notice of Intention to Abandon

Well: Dome Navajo 28-22-6 4

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 04/26/2023

**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 H₂S.

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)

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 211070

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 211070
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Adhere to BLM approved COAs and plugs. See GEO report.	5/2/2023