

<b>Well Name:</b> PAN AMERICAN FEDERAL	<b>Well Location:</b> T30N / R14W / SEC 24 / NWNW / 36.805435 / -108.265961	<b>County or Parish/State:</b> SAN JUAN / NM
<b>Well Number:</b> 1E	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF081231B	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300452367500S1	<b>Operator:</b> DUGAN PRODUCTION CORPORATION	

Notice of Intent

**Sundry ID:** 2870708

<b>Type of Submission:</b> Notice of Intent	<b>Type of Action:</b> Plug and Abandonment
<b>Date Sundry Submitted:</b> 08/28/2025	<b>Time Sundry Submitted:</b> 04:43
<b>Date proposed operation will begin:</b> 09/19/2025	

**Procedure Description:** Dugan Production plans to plug and abandon the well per the attached procedure.

Surface Disturbance

**Is any additional surface disturbance proposed?:** No

NOI Attachments

Procedure Description

- Pan\_American\_Federal\_1E\_Rec\_Plan\_20250828164158.pdf
- Pan\_American\_Federal\_1E\_proposed\_PA\_formation\_tops\_20250828164141.pdf
- Pan\_American\_Federal\_1E\_proposed\_PA\_planned\_wellbore\_schematic\_20250828164133.pdf
- Pan\_American\_Federal\_1E\_proposed\_PA\_current\_wellbore\_schematic\_20250828164124.pdf
- Pan\_American\_Federal\_1E\_proposed\_PA\_planned\_work\_20250828164114.pdf

Received by OCD: 9/10/2025 9:56:28 AM

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US Well Number: 300452367500S1	Operator: DUGAN PRODUCTION CORPORATION	

Conditions of Approval

Additional

2870708\_NOI\_PnA\_Pan\_American\_Federal\_1E\_3004523675\_MHK\_09.10.2025\_20250910094410.pdf  
General\_Requirement\_PxA\_20250910094109.pdf  
Pan\_American\_Federal\_1E\_Geo\_Rpt\_20250909152940.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: AUG 28, 2025 04:42 PM

Name: DUGAN PRODUCTION CORPORATION

Title: Authorized Representative

Street Address: PO BOX 420

City: FARMINGTONState: NM

Phone: (505) 325-1821

Email address: TYRAFEIL@DUGANPRODUCTION.COM

Field

Representative Name: Aliph Reena

Street Address: PO Box 420

City: FarmingtonState: NMZip: 87499-0420

Phone: (505)360-9192

Email address: Aliph.Reena@duganproduction.com

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Approved

Disposition Date: 09/10/2025

Signature: Matthew Kade

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

- TOOH w/2" EUE tubing. Run 4½" casing scraper to 6200'. RIH & Set 4 ½" CIBP @ 6189'. Dakota perforations @ 6239'-6351'.
- Load & circulate hole. Pressure test casing to 600 psi for 30 minutes. Run CBL from 6189' to surface. Will make necessary changes to the plugs after reviewing the CBL.
- **Plug I, Dakota:** Spot Plug I inside 4½" casing from 6189' on top of CIBP to 6039' w/12 sks (13.8 cu ft) Class G cement to cover the Dakota top. **Plug I, CIBP at 6189', Inside 4½" casing, 12 sks, 13.8 cu ft, Dakota, 6039'-6189'.**
- **Plug II, Gallup:** Spot Plug II inside 4½" casing from 5407' to 5257' w/12 sks (13.8 cu ft) Class G cement to cover the Gallup top. **Plug II, Inside 4½" casing, 12 sks, 13.8 cu ft, Gallup, 5257'-5407'.**
- **Plug III, Mancos-DV:** Spot Plug III inside 4½" casing from 4473' to 4300' w/15 sks (17.25 cu ft) Class G cement to cover the Mancos-DV top. **Plug III, Inside 4½" casing, 15 sks, 17.25 cu ft, Mancos-DV, 4300'-4473'.**
- **Plug IV, Mesaverde-Upper Chacra-Lower Chacra:** Spot Plug IV inside 4½" casing from 3205' to 2530' w/54 sks (62.1 cu ft) Class G cement to cover the Mesaverde, Lower Chacra & Upper Chacra top. **Plug IV, Inside 4½" casing, 54 sks, 62.1 cu ft, Mesaverde-Lower Chacra-Upper Chacra, 2530'-3205'.**
- **Plug V, Pictured Cliffs-Fruitland:** Spot Plug V inside 4½" casing from 1683' to 1177' w/40 sks (46 cu ft) Class G cement to cover the Pictured Cliffs & Fruitland top. **Plug V, Inside 4½" casing, 40 sks, 46 cu ft, Pictured Cliffs-Fruitland, 1177'-1683'.**
- **Plug VI, Kirtland-Surface Casing-Surface:** Spot Plug VI inside 4½" casing from 294' to surface w/ 24 sks (27.6 cu ft) Class G cement to cover the Kirtland top & surface casing to surface. **Plug VI, Inside 4½" casing, 24 sks, 27.6 cu ft, Surface Casing-Kirtland-Surface, 0-294'.**
- Cut wellhead. Tag TOC at surface. Fill cement in case needed.
- Install dry hole marker. Clean location.

**Current Wellbore Schematic**

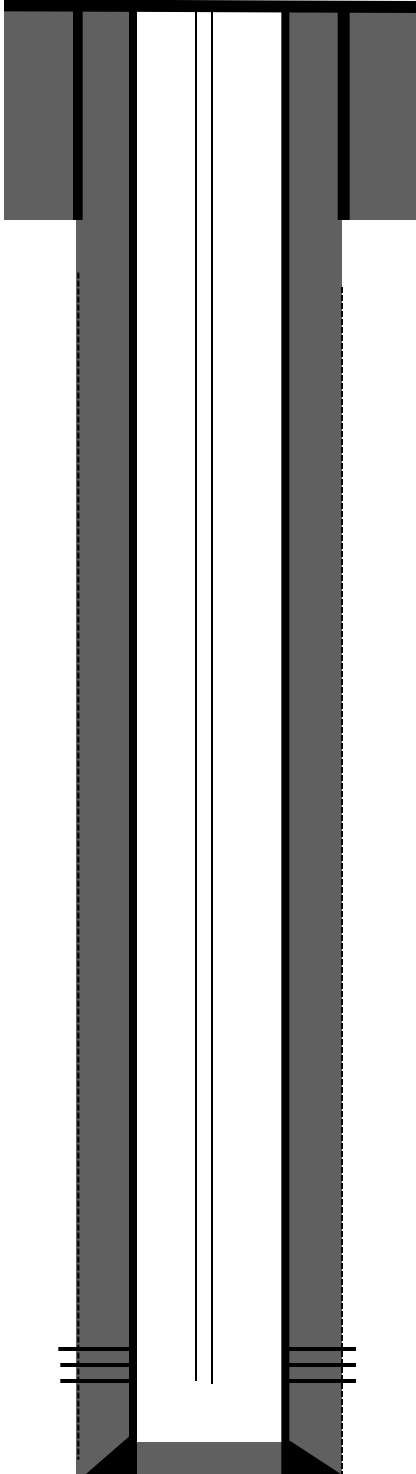
Pan American Federal # 1E

API: 30-045-23675

Sec 24 T30N R14W

500' FNL & 800' FWL

San Juan County, NM



8-5/8" J-55 24# casing @ 216'. Cemented with 150 sks Class B.  
Circulated cement to surface. Hole size: 12-1/4

Cemented Stage I w / 200 sks Class B w / 8% gel tailed by 125 sks cement, 531 Cu.ft.  
Cemented stage II w / 400 65-35 w / 12% gel followed by 100 sks Class B w / 4% gel,  
1203 Cu.ft.

**Dakota Perforated @ 6239'-6351'**

**4 1/2" 10.5 # casing @ 6511'. PBTD @ 6477'. Hole size: 7-7/8"**

## San Juan County, NM



**Pan American Federal # 1E**

API: 30-045-23675  
Sec 24 T30N R14W  
500' FNL & 800' FWL  
San Juan County, NM

**Elevation ASL: 5878' GR**

**Formation Tops**

- **Ojo Alamo: Surface**
- **Surface Casing: 216'**
- **Kirtland - 244'**
- **Fruitland - 1277'**
- **Pictured Cliffs - 1633'**
- **Lewis - 1730'**
- **Upper Chacra - 2630'**
- **Lower Chacra - 2860'**
- **Mesaverde - 3155'**
- **Mancos - 4400'**
- **DV tool - 4423'**
- **Gallup - 5357'**
- **Greenhorn - 6123'**
- **Graneros - 6188'**
- **Dakota - 6238'**



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Farmington District Office  
6251 College Boulevard, Suite A  
Farmington, New Mexico 87402  
<http://www.blm.gov/nm>



## CONDITIONS OF APPROVAL

September 10, 2025

### Notice of Intent - Plug and Abandonment

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**Operator:** Dugan Production Corporation  
**Lease:** NMSF081231B  
**Well(s):** Pan American Federal 1E, API # 30-045-23675  
**Location:** NWNW Sec 24 T30N R14W (San Juan County, NM)  
**Sundry Notice ID#:** 2870708

The Notice of Intent to Plug and Abandon is accepted with the following Conditions of Approval (COA):

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Changes to procedure, before or during plugging, should be sent through email to Kenneth Rennick ([krennick@blm.gov](mailto:krennick@blm.gov)) for approval. Verbal approvals may be given and must be followed up with an email documenting the requested changes.
3. Provide copy of bond log to BLM Petroleum Engineer Kenny Rennick by email at [krennick@blm.gov](mailto:krennick@blm.gov).
4. **Notification:** Farmington Field Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.
5. **Deadline of Completion of Operations:** Complete the plugging operation before September 10, 2026. If unable to meet the deadline, notify the Bureau of Land Management's Farmington Field Office prior to the deadline via Sundry Notice (Form 3160-5) Notice of Intent detailing the reason for the delay and the date the well is to be plugged.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements. Any estimated minimum sacks provided in procedure modification include necessary excesses.

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

Kenny Rennick ([krennick@blm.gov](mailto:krennick@blm.gov)/505-564-7742)

**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) and 43 CFR 3172.12(a)(10). 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.

**BLM - FFO - Geologic Report****Date Completed**

9/9/2025

Well No.	Pan American Federal 1E	Surf. Loc.	500	FNL	800	FWL
Lease No.	NMSF081231B	Sec	24	T30N	R14W	
US Well No.	3004523675					
Operator	Dugan Production Corp.	County	San Juan	State	New Mexico	
TVD	6511	PBTD	6477	Formation	Basin Dakota	
Elevation	GL			Elevation	KB	6008

<b>Geologic Formations</b>	<b>Est. tops</b>	<b>Subsea Elev.</b>	<b>Remarks</b>
Ojo Alamo	Surface		Fresh water aquifer
Surface Casing base	216	5792	
Kirtland Fm.	244	5764	
Fruitland Fm.	1277	4731	Coal/gas/possible water
Pictured Cliffs	1633	4375	Possible gas/water
Lewis Shale	1730	4278	Source rock
Huerfanito Bentonite	2330	3678	Reference bed
Chacra (Upper)	2630	3378	Possible gas/water
Chacra (Lower)	2860	3148	Possible gas/water
Cliff House Ss	3155	2853	Possible gas/water
Menefee Fm.	3320	2688	Coal/water/possible gas
Point Lookout Fm.	4020	1988	Possible gas/water
Mancos Shale	4400	1608	Source rock
DV Tool	4423	1585	
Gallup	5357	651	Oil & gas
Juana Lopez	5690	318	
Mancos Stringer	5840	168	
Bridge Crk/Greenhorn	6123	-115	
Graneros Shale	6188	-180	
Dakota Ss	6238	-230	Possible gas/water
Perforations Top	6239	-231	
Perforations Bottom	6351	-343	

Remarks:Reference Well:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.

Dugan Production Corp.  
Same

Prepared by: Walter Gage

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 504760

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 504760
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	Notify the OCD inspection supervisor via email 24 hours prior to beginning Plug & Abandon (P&A) operations.	9/11/2025
loren.diede	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	9/11/2025
loren.diede	Submit photo and GPS coordinates of the P&A marker with the final P&A reports. The API# on the marker is to be clearly legible.	9/11/2025