

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

Subsequent Report

Sundry ID: 2886612

Type of Submission: Subsequent Report Type of Action: Plug and Abandonment

Date Sundry Submitted: 12/11/2025 Time Sundry Submitted: 12:43

Date Operation Actually Began: 09/15/2025

Actual Procedure: Dugan Production plugged and abandoned the well from 09/15/2025 - 09/22/2025 per the attached procedure.

SR Attachments

Actual Procedure

- Pan_American_Federal_1E_gps_marker_photos_20251211124120.pdf
- Pan_American_Federal_1E_BLM_OCD_apvd_plug_changes_20251211124029.pdf
- Pan_American_Federal_1E_SR_PA_formation_tops_20251211123948.pdf
- Pan_American_Federal_1E_SR_PA_completed_wellbore_schematic_20251211123930.pdf
- Pan_American_Federal_1E_SR_PA_work_completed_20251211123914.pdf

Received by OCD: 12/11/2025 2:05:52 PM

Page 2 of 15

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Lease Number: NMSF081231B	Unit or CA Name:	Unit or CA Number:
US Well Number: 300452367500S1	Operator: DUGAN PRODUCTION CORPORATION	

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: DEC 11, 2025 12:43 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)360-9192		
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: Accepted	Disposition Date: 12/11/2025
Signature: Kenneth Rennick	

Dugan Production plugged and abandoned the well from 09/15/2025 to 09/22/2025 per the following procedure:

- MI & RU Aztec Well Service Rig 450. Spot in and RU cement equipment.
- Check pressures: Tubing: 130 psi, Casing 130 psi, BH 40 psi.
- Pull and LD all production tubing, tubing parted, fished tubing.
- PU and tally 2-3/8" work string. Run 4½" string mill to scrape casing to 6215'.
- Check pressures: Tubing 100 psi, Casing 100 psi, BH 45 psi.
- RIH & set 4½" CIBP @ 6189'. Dakota perforations @ 6239'-6351'.
- Load & circulate hole with 110 bbls of water.
- Pressure test casing to 650 psi, casing won't test. Had an injection rate of 2 bbls/min at 400 psi.
- Run CBL from 6189' to surface. Sent copy of CBL to NMOCD. Copy of communications attached.
- **Plug I, Dakota:** Spot Plug I inside 4½" casing from 6189' on top of CIBP w/18 sks, (20.7 cu ft) Class G neat cement to cover the Dakota top. Displaced with 22.5 bbls of water. WOC overnight. Tagged TOC at 6025'. Good tag. **Plug I, CIBP at 6189', Inside 4½" casing, 18 sks, 20.7 cu ft, Dakota, 6025'-6189'.**
- Check pressures: Tubing 0 psi, Casing 0 psi, BH 0 psi.
- Attempt to pressure test casing to 650 psi. Casing won't test, same injection rate as before: 2bpm/400psi.
- **Plug II, Gallup:** Spot Plug II inside 4½" casing from 5407' w/18 sks (20.7 cu ft) Class G neat cement to cover the Gallup top. Displaced with 19.5 bbls of water. WOC 4 hrs. Tagged TOC at 5256'. Good tag. **Plug II, Inside 4½" casing, 18 sks, 20.7 cu ft, Gallup, 5256'-5407'.**
- Attempt to pressure test casing to 650 psi. Casing won't test, same injection rate as before: 2bpm/400psi.
- **Plug III, Mancos-DV:** Spot Plug III inside 4½" casing from 4473' w/21 sks (24.15 cu ft) Class G neat cement to cover the Mancos-DV top. Displaced with 16.0 bbls of water. WOC overnight. Tagged TOC at 4255'. Good tag. **Plug III, Inside 4½" casing, 21 sks, 24.15 cu ft, Mancos-DV, 4255'-4473'.**
- Check pressures: Tubing 0 psi, Casing 0 psi, BH 0 psi.
- Attempt to pressure test casing to 650 psi. Casing won't test, same injection rate as before: 2bpm/400psi.
- **Plug IV, Mesaverde-Upper Chacra-Lower Chacra:** Spot Plug IV inside 4½" casing from 3208' w/63 sks (72.45 cu ft) Class G cement with 2% Calcium Chloride to cover the Mesaverde, Lower Chacra & Upper Chacra top. Displaced with 9.0 bbls of water. WOC 4 hrs. Tagged TOC at 2485'. Good tag. **Plug IV, Inside 4½" casing, 63 sks, 72.45 cu ft, Mesaverde-Lower Chacra-Upper Chacra, 2485'-3208'.**
- **Plug V, Pictured Cliffs:** MI WL. RIH and shoot squeeze holes at 1683'. Set CICR at 1642'. Establish injection rate: 2 bbls/min at 200 psi. Squeeze Plug V inside/outside 4½" casing from 1683' w/59 sks (67.85 cu ft) Class G neat cement to cover the Pictured Cliffs top. 40 sks, (46 cu ft) outside casing, 4 sks, (4.6 cu ft) below CICR, 15 sks, (17.25 cu ft) above CICR inside casing. Displaced with 5.5 bbls of water. WOC overnight. Tagged TOC at 1389'. Tagged high but good tag. **Plug V, Inside/outside 4½" casing, perforations at 1683', cement retainer at 1642' 59 sks, 67.85 cu ft, Pictured Cliffs 1389'-1683'.**
- Check pressures: Tubing 0 psi, Casing 0 psi, BH 0 psi.
- Attempted to pressure test casing, test failed, same injection rate as before. Circulated BH with 5 bbls.

- **Plug VI, Fruitland:** MI WL. Shoot squeeze holes at 1327'. RIH and set cement retainer at 1296'. Establish injection rate: 2bbls/min at 400 psi. Squeeze Plug VI inside/outside 4½" casing from 1327' w/ 59 sks (67.85 cu ft) Class G cement with 2% Calcium Chloride to cover the Fruitland top. 40 sks, (46 cu ft) outside casing, 3 sks, (3.45 cu ft) below CICR, 16 sks (18.4 cu ft), above CICR inside casing. Displaced with 4.1 bbls of water. WOC 4 hrs. Tagged TOC at 1064' high tag but good tag. **Plug VI, inside/outside 4½" casing, perforations at 1327', cement retainer at 1296', 59 sks, 67.85 cu ft, Fruitland, 1064'-1327'.**
- **Plug VII, Kirtland-Surface Casing-Surface:** MI WL. Shoot squeeze holes at 294'. RIH and set cement retainer at 256'. Pressure test casing above cement retainer, good test, hole is under cement retainer. Establish injection rate to surface through BH. Squeeze Plug VI inside/outside 4½" casing from 294' w/ 121 sks (139.15 cu ft) Class G neat cement to cover the Kirtland top & surface casing to surface. 98 sks (112.7 cu ft) outside, 3 sks, (3.45 cu ft) below CICR, 20 sks, (23 cu ft) above CICR inside casing. No displacement. Circulate 3 bbls of slurry to surface. WOC 2 hrs. MI welder. Cut wellhead off. Tagged TOC at 0' inside and 10' annulus. Good tag. **Plug VII, inside/outside 4½" casing, perforations at 294', cement retainer at 256', 121 sks, 139.15 cu ft, surface casing-Kirtland-Surface, 0-294'.**
- Fill up cellar and install dry hole marker with 30 sks (34.5 cu ft) class G neat cement.
- RD Aztec Well Service Rig 450. Clean location, move.
- Monty Gomez with BLM witnessed the job.
- Photos of P&A marker and GPS coordinates attached per NMOCD COA.
- **Well P&A'd on 09/22/2025.**

Completed P & A Schematic

Pan American Federal # 1E

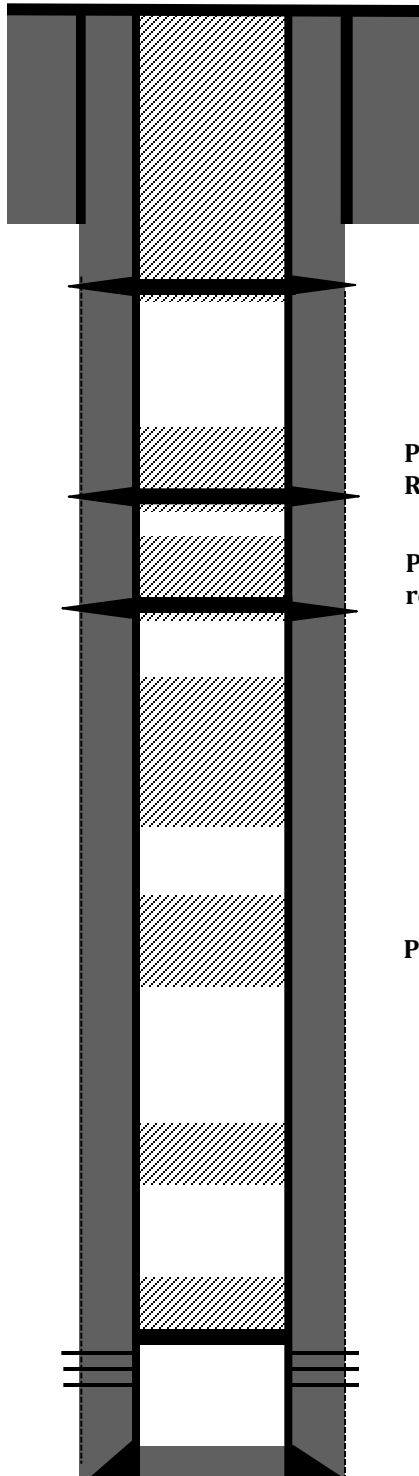
API: 30-045-23675

Sec 24 T30N R14W

500' FNL & 800' FWL

San Juan County, NM

Lat: 36.8055191, Long: -108.2667007



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

Plug VII, Inside/outside 4 1/2" casing, perforations at 294', Cement Retainer at 256', 121 sks, 139.15 cu ft, Surface Casing-Kirtland-Surface, 0-294'.

Plug VI, Inside/outside 4 1/2" casing, perforations at 1327', Cement Retainer at 1296', 59 sks, 67.85 cu ft, Fruitland, 1064'-1327'.

Plug V, Inside/outside 4 1/2" casing, perforations at 1683', Cement retainer 1642', 59 sks, 67.85 Cu.ft, Pictured Cliffs, 1389'-1683'

Plug IV, Inside 4 1/2" casing, 63 sks, 72.45 Cu.ft, Mesaverde-Lower Chacra-Upper Chacra, 2485'-3208'

Plug III, Inside 4 1/2" casing, 21 sks, 24.15 Cu.ft, Mancos-DV, 4255'-4473'

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.

Plug II, Inside 4 1/2" casing, 18 sks, 20.7 Cu.ft, Gallup, 5256'-5407'

CIBP @ 6189'. Plug I, CIBP at 6189', Inside 4 1/2" casing, 18 sks, 20.7 Cu.ft, Dakota, 6025'-6189'

Dakota Perforated @ 6239'-6351'

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

Pan American Federal # 1E

API: 30-045-23675

Sec 24 T30N R14W

500' FNL & 800' FWL

San Juan County, NM

Lat: 36.8055191, Long: -108.2667007

Elevation ASL: 5878' GR

Formation Tops (Referenced for the P & A)

- 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'

Tyra Feil

From: Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>
Sent: Friday, September 19, 2025 11:54 AM
To: Rennick, Kenneth G; Aliph Reena; Omar Ramirez; Garcia, John, EMNRD; Lucero, Virgil S; Gomez, Monty J
Cc: Tyra Feil; Indalecio Roldan
Subject: RE: [EXTERNAL] Pan American Federal # 1E - CBL & Revised procedure post CBL

Yes, I agree.

Loren, OCD

Thank you,
Loren Diede
Petroleum Specialist III
Engineering Special Projects
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-394-3582 OCD cell



From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Friday, September 19, 2025 11:51 AM
To: Aliph Reena <Aliph.Reena@duganproduction.com>; Omar Ramirez <oramirez@aztecwell.com>; Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>; Garcia, John, EMNRD <JohnA.Garcia@emnrd.nm.gov>; Lucero, Virgil S <vlucero@blm.gov>; Gomez, Monty J <mgomez@blm.gov>
Cc: Tyra Feil <Tyra.Feil@duganproduction.com>; Indalecio Roldan <Indalecio.Roldan@duganproduction.com>
Subject: Re: [EXTERNAL] Pan American Federal # 1E - CBL & Revised procedure post CBL

The BLM finds the proposed procedure appropriate.

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From: Aliph Reena <Aliph.Reena@duganproduction.com>
Sent: Friday, September 19, 2025 11:41:22 AM
To: Omar Ramirez <oramirez@aztecwell.com>; Rennick, Kenneth G <krennick@blm.gov>; Diede, Loren, EMNRD <loren.diede@emnrd.nm.gov>; John Garcia (<JohnA.Garcia@emnrd.nm.gov> <johna.garcia@emnrd.nm.gov>; Lucero, Virgil S <vlucero@blm.gov>; Kade, Matthew H <mkade@blm.gov>; Gomez, Monty J <mgomez@blm.gov>
Cc: Tyra Feil <Tyra.Feil@duganproduction.com>; Indalecio Roldan <Indalecio.Roldan@duganproduction.com>
Subject: [EXTERNAL] Pan American Federal # 1E - CBL & Revised procedure post CBL

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RE: Revised proposal post CBL

Dugan Production Corp.
Pan American Federal # 1E
API: 30-045-23675

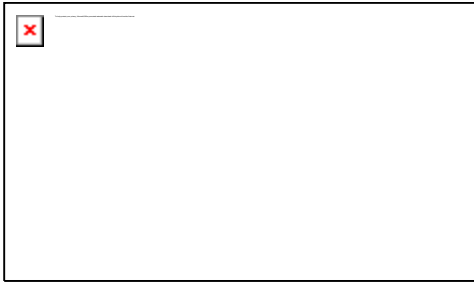
From the CBL, the TOC appears to be approximately at 1800'. Based on the CBL we request the following changes to the original approved NOI.

- **Pictured Cliffs 1533'-1683':** Change from inside plug to inside/outside plug. Perforate at 1683'. Set Cement Retainer at 1633'. Attempt to get a rate through the squeeze holes. If a rate cannot be established, request to do an inside plug for Pictured Cliffs.
- **Fruitland: 1177'-1327':** Change from inside plug to an inside/outside plug. Perforate at 1327'. Set cement retainer at 1277'. Attempt to get a rate through the squeeze holes. If a rate cannot be established, request to do an inside plug for the Fruitland.
- **Surface-Kirtland, 0 -294': Change from inside plug to an inside/outside plug:** Perforate at 294'. There is communication around the casing at surface. So set a cement retainer at 244'. This will ensure circulation through squeeze holes. Attempt to get a rate through squeeze holes to surface through BH. If a rate can be established to surface through BH, perforate 50' higher and attempt again.


All other plugs will be inside plugs as approved in the original NOI.


Please let us know if the revised proposal is acceptable to BLM & NMOCD, and we will proceed accordingly.

Aliph Reena
505-360-919



Aliph Reena P.E
Engineering Supervisor
Dugan Production Corp

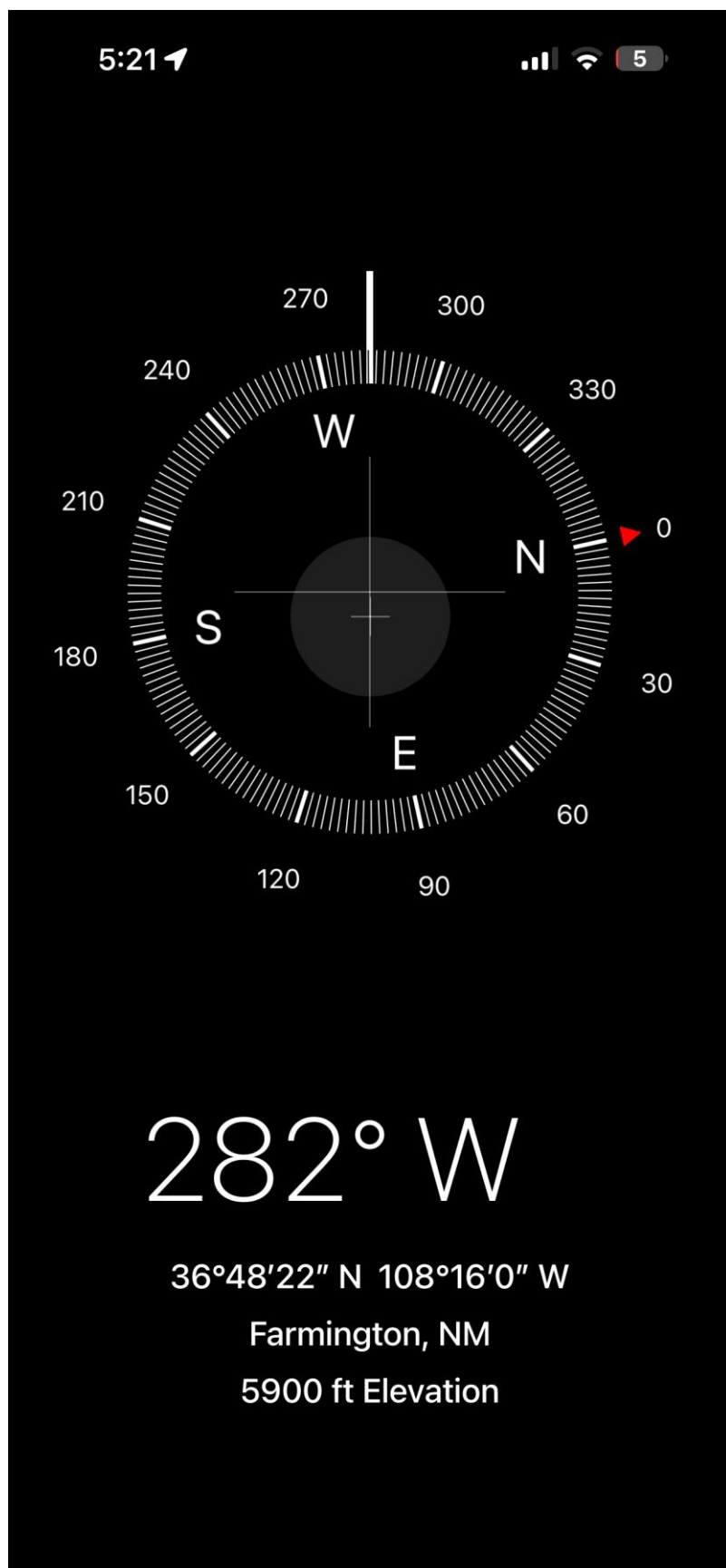
 O: [505-325-1825](tel:505-325-1825) | D: [505-360-9192](tel:505-360-9192)

 aliph.reena@duganproduction.com

 **DuganProduction.com**

 709 E Murray Drive, Farmington, NM
Mailing: PO Box 420 | Farmington, NM 87499-0420

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<https://www.emnrd.nm.gov/oed/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 534163

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 534163
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	None	12/12/2025