

Well Name: TIBBAR FEDERAL	Well Location: T26N / R9W / SEC 13 / SWNW / 36.490189 / -107.746658	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM09840	Unit or CA Name:	Unit or CA Number:
US Well Number: 300451167600S1	Well Status: Producing Gas Well	Operator: MORNINGSTAR OPERATING LLC

Notice of Intent

Sundry ID: 2730331

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 05/11/2023

Time Sundry Submitted: 09:30

Date proposed operation will begin: 12/01/2023

Procedure Description: MorningStar Operating requests approval of the attached procedure to P&A the Tibbar Fed #1. Attached are the Procedure, WBDs, Reclamation Plan, and Noxious Weed Form.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Tibbar_Fed_1_NOI_to_PA_Proc__WBDs__Recl__Form_20230511092823.pdf

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Conditions of Approval

Additional

General_Requirement_PxA_20230517172728.pdf

26N09W13EKd_Tibbar_Federal_001_20230517165343.pdf

Authorized

2730331_NOIA_1_3004511676_KR_05172023_20230517173038.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: CONNIE BLAYLOCK

Signed on: MAY 11, 2023 09:28 AM

Name: MORNINGSTAR OPERATING LLC

Title: Regulatory Technician

Street Address: 400 W 7th St.

City: Forth Worth State: TX

Phone: (817) 334-7882

Email address: CBLAYLOCK@MSPARTNERS.COM

Field

Representative Name: Amy Byars

Street Address:

City: State: Zip:

Phone:

Email address: abyars@txopartners.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: 05/17/2023

Signature: Kenneth Rennick

**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.

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 5/17/2023

Well No. Tibbar Federal #001 (API# 30-045-11676)	Location	1850	FNL	&	790	FWL
Lease No. NMNM09840	Sec. 13	T26N			R09W	
Operator Morningstar Operating LLC	County	San Juan		State	New Mexico	
Total Depth 6646'	PBTD 6624'	Formation Dakota				
AFMSS Sundry ID 2730331		Elevation (KB) 6307'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento			Surface	1208	Surface/possible freshwater sands
Ojo Alamo Ss			1208	1312	Aquifer (possible freshwater)
Kirtland Shale			1312	1720	Possible gas
Fruitland			1720	1993	Coal/Gas/Water
Pictured Cliffs Ss			1993	2060	Probable Gas
Lewis Shale			2060	2452	
Chacra			2452	3544	Probable Gas
Cliff House Ss			3544	3650	Gas
Menefee			3650	4330	Gas
Point Lookout Ss			4330	4465	Gas
Mancos Shale			4465	5460	O&G
Gallup			5460	6310	O&G
Greenhorn			6310	6435	
Graneros Shale			6435	6480	O&G
Dakota Ss			6480	PBTD	O&G
Morrison					

Remarks:

P & A

- BLM pick for the Fruitland formation top varies from Operator.
- Add a plug to cover the Gallup formation top (5460').
- Add a plug to cover the Chacra formation top (2452').
- Bring the top of Plug #4 (Pictured Cliffs/Fruitland) up to 1670' to cover BLM pick for the Fruitland top (1720').
- Dakota perms 6388' – 6597'.

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 2730331

Attachment to notice of Intention to Abandon

Well: Tibbar Federal 1

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. The following modifications to your plugging program are to be made:
 - a. Add a plug to cover the Gallup formation top (5460').
 - b. Add a plug to cover the Chacra formation top (2452').
 - c. Bring the top of Plug #4 (Pictured Cliffs/Fruitland) up to 1670' to cover BLM pick for the Fruitland top (1720').
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 05/17/2023

PROPOSED P&A PROCEDURE

Tibbar Federal #1

1. MIRU.
2. POOH w/ tubing.
3. Run a casing scraper to 6,375'
4. Set CICR @ 6,350'
5. Spot 12 sx Class B Cement on top of plug. (est'd TOC @ 6,200'). WOC. Test casing integrity.
6. RU and run CBL.
7. Circulate hole with mud laden fluid.
8. Spot 2nd cement plug from 5,510' to 5,360' with 12 sx Class B cement.
9. Spot 3rd cement plug from 4,515' to 4,365' with 12 sx Class B cement.
10. Spot 4th cement plug from 3,594' to 3,444' with 12 sx Class B cement.
11. Spot 5th cement plug from 2,502' to 2,352' with 12 sx Class B cement.
12. Spot 6th cement plug from 2,043' to 1,620' with 33 sx Class B cement.
13. Spot 7th cement plug from 1,362' to 1,108' with 20 sx Class B cement.
14. Spot 8th cement plug from 346' to surface with 27 sx Class B cement. Ensure cement at surface on all strings of casing, top off as needed.
15. Cut off wellhead below surface casing flange. Install P&A marker.

MorningStar Operating, LLC

Proposed P&A WBD

Prepared by: JRyza
Date: 05/18/2023

KB = 12 ft
GL = 6,295 ft
API# 30-045-11676

Spud Date: 05/05/1966
Ready to produce: 05/20/1966

Tibbar Federal #1
San Juan County, NM

TD – 6,646 ft MD

12-1/4" hole to 296' KB
Surface Csg: 9 jts 8-5/8" 24# J55 STC
Setting Depth: 296 ft

Cement
175sx Reg cement
WOC & test

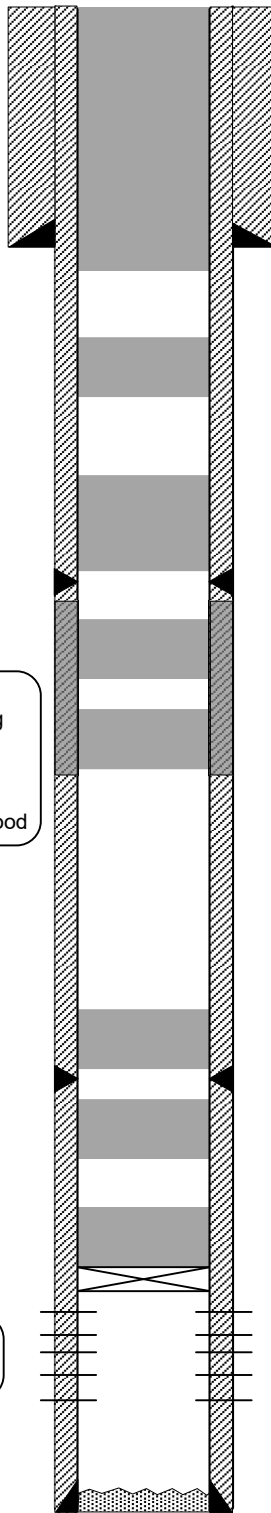
7-7/8" hole to 6646'
Prod Csg: 206 jts 4-1/2" 10.5# J55 STC
Setting Depth: 6,646 ft
DV tools @ 2100' & 4663'

Cement
1st stage lead: 175sx 50/50 Pozmix
1st stage tail: 100sx reg cement
2nd stage: 250sx 50/50 Pozmix
3rd stage: 500sx 50/50 Pozmix

Perfs: (Dakota): (4 spf):
6,388'-98', 6,426'-30', 6,480'-90',
6,564'-68', 6,584'-97'

Casing squeeze (1/27/1986):
Set RBP @ 6250', Determine casing
leak between 2103' to 3590' w/ pkr.
Squeeze w/ 450sx Class H (561 ft³)
Drillout and test to 1500 psi good
6/19/2001 – test same to 650 psi, good

Dakota Perfs:
6,388' – 6,597' (overall)



PLUG 8
27 sx cement from 0'-346'

PLUG 7 (Kirtland, Ojo)
20 sx cement from 1,108'-1,362'

PLUG 6 (PC, Fruitland)
33 sx cement from 1,620'-2,043'

PLUG 5 (Chacra)
12 sx cement from 2,352'-2,502'

PLUG 4 (MV)
12 sx cement from 3,444'-3,594'

PLUG 3 (Mancos)
12 sx cement from 4,365'-4,515'

PLUG 2 (Gallup)
12 sx cement from 5,360'-5,510'

PLUG 1
12 sx cement from 6,200'-6,350'
CICR @ 6,350'

Nacimiento: surface
Ojo Alamo: 1,208'
Kirtland: 1,312'
Fruitland: 1,720'
Pictured Cliffs: 1,993'
Chacra: 2,452'
Mesaverde: 3,544'
Mancos: 4,465'
Gallup: 5,460'

PBSD: 6,624 ft MD

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 218480

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 218480
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD JRH 5/24/23. BLM approved P&A 5/17/23	5/24/2023