

U.S. Department of the Interior **BUREAU OF LAND MANAGEMENT**

Sundry Print Report

Well Name: CBM 11-27-14 Well Location: T27N / R14W / SEC 11 / County or Parish/State: SAN

> SWSE / 36.5852 / -108.29439 JUAN / NM

Well Number: 15 Type of Well: CONVENTIONAL GAS Allottee or Tribe Name:

WELL **EASTERN NAVAJO**

Lease Number: N0G10081773 **Unit or CA Number:** Unit or CA Name:

US Well Number: 300453529500X1 Well Status: Gas Well Shut In Operator: NAVAJO NATION OIL

& GAS COMPANY

Notice of Intent

Type of Action Plug and Abandonment Type of Submission: Notice of Intent

Date Sundry Submitted: 04/14/2021 Time Sundry Submitted: 01:20

Date proposed operation will begin: 04/02/2021

Procedure Description: P&A Procedure Attached no reclamation plan required NAPI and BIA onsite conducted and

approved by BIA & Napi

Surface Disturbance

Is any additional surface disturbance proposed?: No

Conditions of Approval

Additional Reviews

27N14W11OKpc_CBM_11_27_14_15_20210609100611.pdf

Received by OCD: 8/3/2021 4:49:45 PM **Authorized Officer**

PxA_Procedure_4_14_21_CBM_11_27_14_15_20210609100940.pdf

Page 2 of 19

Received by OCD: 8/3/2021 4:49:45 PM

Well Name: CBM 11-27-14 Well Location: T27N / R14W / SEC 11 / County or Parish/State: SAN

SWSE / 36.5852 / -108.29439

JUAN / NM

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WELL

Allottee or Tribe Name: EASTERN NAVAJO

Lease Number: N0G10081773 Unit or CA Name: Unit or CA Number:

US Well Number: 300453529500X1 Well Status: Gas Well Shut In Operator: NAVAJO NATION OIL

& GAS COMPANY

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: VANESSA FIELDS Signed on: APR 14, 2021 01:15 PM

Name: NAVAJO NATION OIL & GAS COMPANY

Title: Regulatory Manager

Street Address: 7415 EAST MAIN STREET

City: FARMINGTON S

State: NM

Phone: (505) 327-4892

Email address: VANESSA@WALSHENG.NET

Field Representative

Representative Name: VANESSA FIELDS

Street Address: 7415 EAST MAIN STREET

City: FARMINGTON

State: NM

Zip: 87402

Phone: (150)578-7910

Email address: vanessa@walsheng.net

BLM Point of Contact

BLM POC Name: CHRISTOPHER P WENMAN

BLM POC Title: Natural Resource Specialist

BLM POC Phone: 5055647600 BLM POC Email Address: cwenman@blm.gov

Disposition: Approved **Disposition Date:** 06/09/2021

Signature: Dave Mankiewicz

Vanessa Fields

From:

AFMSS < blm-afmss-notifications@blm.gov>

Sent:

Wednesday, April 14, 2021 1:21 PM

To:

Vanessa Fields

Subject:

Well Name: CBM 11-27-14, Well Number: 15, Notification of Sundry Received

The Bureau of Land Management

Notice Of Intent Receipt

Operator Name: NAVAJO NATION OIL & GAS COMPANY

Well Name: CBM 11-27-14

Well Number: 15

US Well Number: 300453529500X1

Sundry ID: 1519792

The BLM received your Notice Of Intent, Plug and Abandonment sundry on 04/14/2021. This is to notify you that we are processing your sundry.

You may contact the field office if you have any questions.

If we need more information we will contact you. Thank you.

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

Engineer

P&A Procedure

Navajo Nation Oil & Gas Company - CBM 11-27-14 #15

Basin Fruitland Coal

990' FSL & 1657' FEL, Section 11, T27N, R14W

San Juan County, New Mexico, API #30-045-35295

Plug & Abandonment Procedure:

Note: All cement volumes use 100% excess outside casing and 50' excess inside pipe. Stabilizing wellbore fluid will be 8.33 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class G neat 1.15 ft³/sk or equivalent. Cement calculation based on 5.5" 15.5# casing. Cement was circulated to surface during primary cement jobs on both the surface and production strings.

Prior to Mobilization

- 1. Notify BLM & NN Minerals Dept
- 2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on 1.15 ft³/sk.
- 3. Comply with all COA's from BLM & NN Minerals Dept

P&A Procedure

- 1. MIRU PU and cement equipment
- 2. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools
- 3. TOH & Lay down rods/pump
- TOH w/ tbg & RT scraper through perf interval (1189' 1201').
- RIH & set CICR at 1139'. Pressure test tubing to 1000 psi,
- 6. Plug #1, 1089' 1201' (Picture Cliffs Top at 1210', FTC top 1188', Perfs: 1189' 1201'): Mix & pump 15 sxs (17.3 ft³) of Class G neat cement (or equivalent). Sting out of retainer, leaving ~ 50' of cement on top of CICR. PU 100' above TOC and reverse circulate to load casing and clean tubing. Close BOP (pipe rams) and attempt to pressure test casing to 500 psi.
- 7. Plug #2, 505' 655' (Fruitland Top at 605'): Mix & pump 17 sxs (19.6 ft3) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. WOC & Tag plug if required.
- 8. Plug #3, Surface' 200' (8 5/8" surface casing shoe at 175'). Note: Circulated 8 bbls of cement to surface on primary surface casing cement job. Mix and pump ~25 sxs (29.5 ft³) to fill inside of casing. Top off as necessary.
- 9. ND BOP and cut off wellhead below surface casing flange, top off casing and annulus as necessary. Install P&A marker and cut off and/or remove anchors. RD, MOL - Restore location as directed.

Released to Imaging: 8/6/2021 10:59:26 AM

John Thompson

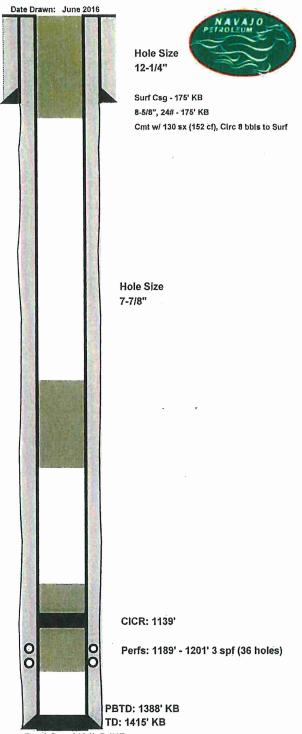
Date:

Received by OCD: 8/3/2021 4:49:45 PM

History:

Well/Facility:	CBM 11-27-14 #15	Well Status:	SI
Operator:	NNOGC	Orig Oper:	NNOGC
Lease/Op Agmi	:	Prod Interval	•
Field:	SJB	API#:	30-045-35295
County:	San Juan	GL/KB:	5965' GL (5' KB)
State:	NM	TD:	1415'
Spud:	1/23/2012	PBTD:	1388'
Comp. Date:	12/5/2012	LAT:	36.5852
1st Prod:		LONG:	108.29439
Xmas tree:			
Surface Loc:	990' FSI, 1657' FEL		
Sec-Twn-Rge:	Section 11, T27N, R14W		
Comments:			

1	1/23/2012	Spud Well			
	2/2/2012	Rig released.			
1	12/5/2012	Start completion.			
1	12/5/2012	Perf FTC 1189-1201'.	36 total.		
1	12/6/2012	Frac FTC.			
		Geologic I			
		MD	Formation	n	
		Surf	Kirtland		
		605'	Fruitland		
		1188'	Fruitland	Coal	
	7	1210	Pictured	Cliffs	
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MD		Inclination		Geol	ogic Markers
	165	0.75	MD		Formation
	665	1	Surf		Kirtland
	1,165	1.25	605'		Fruitland
	1,405	1.25	1188'		Fruitland Coal
			1210'		Pictured Cliffs



Prod Csg 1404' @ 'KB 38 Joints of 5.5",15.5lb,J55 LT&C CMT: LEAD: 175SX(338cf) , TAIL: 140SX(161cf) CIRC 35BBL CMT to surface

Lengt	h Top	Bottom
KB Adjustment		
MA, SN & 38 jts of 2-3/8", 4.7#, J55 EUE		
EOT: 1271' KB		
SN: 1239' KB		

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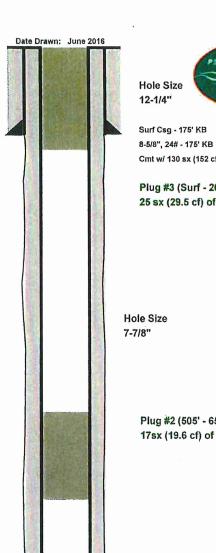
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665	1		Surf	Kirtland
1,165	1.25		605'	Fruitland
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		_		

1210'

Pictured Cliffs





Surf Csg - 175' KB

Cmt w/ 130 sx (152 cf), Circ 8 bbls to Surf

Plug #3 (Surf - 200') 25 sx (29.5 cf) of Class G

Plug #2 (505' - 655') 17sx (19.6 cf) of Class G

Plug #1: (1089' - 1201') 15 sx (17.3 cf) of Class G

CICR: 1139'

Perfs: 1189' - 1201' 3 spf (36 holes)

PBTD: 1388' KB TD: 1415' KB

Prod Csg 1404' @ 'KB

00

38 Joints of 5.5",15.5lb,J55 LT&C CMT: LEAD: 175SX(338cf) , TAIL: 140SX(161cf)

CIRC 35BBL CMT to surface

Lengt	h Top	Bottom
KB Adjustment		
MA, SN & 38 Jts of 2-3/8", 4.7#, J55 EUE		
EOT: 1271' KB		
SN: 1239' KB		

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 <u>minimum general</u> 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.
 - 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_2S .
- 8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, 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.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT FARMINGTON DISTRICT OFFICE

6251 COLLEGE BLVD. FARMINGTON, NEW MEXICO 87402

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment Well: CBM 11-27-14 #15

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. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
- 3. The following modifications to your plugging program are to be made:
 - a) Set Plug #2 (844 944) ft. to cover Fruitland top. BLM picks top of Fruitland at 894 ft.

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.

Released to Imaging: 8/6/2021 10:59:26 AM

BLM FLUID MINERALS Geologic Report

Date Completed: 6/7/21

Well No. CBM	11-27-14 #15 (API#	30-045-35295)	Location	990	FSL	&	1657	FEL
Lease No.	NO-G-1008-1773		Sec. 11	-	Γ27N			R14W
Operator	Navajo Nation Oil	& Gas Company	County	San Juan		State	New Mexico	
Total Depth	1410'	PBTD 1388'	Formation	Fruitland	Coal		•	
Elevation (GL)	5965'		Elevation (K)	B) 5970'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/Fresh water sands
Nacimiento Fm					Fresh water sands
Ojo Alamo Ss					Aquifer (fresh water)
Kirtland Shale	Surface	894			Possible usable water near surface
Fruitland Fm	894	1210			Coal/Gas/Possible water
Pictured Cliffs Ss	1210	PBTD			Gas
Lewis Shale					
Chacra					
Cliff House (La					Water/Possible gas
Ventana) Ss					
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale					
Gallup					O&G/probable water
Sanostee					
Graneros Shale					
Dakota Ss					Gas/potential oil/water
Morrison					Water/possible gas

Remarks:

P & A

Received by OCD: 8/3/2021 4:49:45 PM

- No well log available for the subject well, tops were estimated from well logs for Reference Well #1.
- BLM formation top estimate for the Fruitland formation varies from Operator formation top as submitted.
- Please adjust the top of Plug #1 or the bottom of Plug #2 to cover BLM estimate for the Fruitland formation top @ 894'.
- Fruitland Coal perforations @ 1189'-1201'.

Reference Well:
1) Formation Tops (+7' KB)
Miami Oil Producers, Inc.
Ojo Alamo #1
Sec. 14, T27N, R14W
GL 5982' KB 5989'

Prepared by: Chris Wenman

Engineer

P&A Procedure

Navajo Nation Oil & Gas Company - CBM 11-27-14 #15

Basin Fruitland Coal

990' FSL & 1657' FEL, Section 11, T27N, R14W

San Juan County, New Mexico, API #30-045-35295

Plug & Abandonment Procedure:

Note: All cement volumes use 100% excess outside casing and 50' excess inside pipe. Stabilizing wellbore fluid will be 8.33 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class G neat 1.15 ft3/sk or equivalent. Cement calculation based on 5.5" 15.5# casing. Cement was circulated to surface during primary cement jobs on both the surface and production strings.

Prior to Mobilization

- 1. Notify BLM & NN Minerals Dept
- 2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on 1.15 ft³/sk.
- 3. Comply with all COA's from BLM & NN Minerals Dept

P&A Procedure

- 1. MIRU PU and cement equipment
- 2. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools
- 3. TOH & Lay down rods/pump
- 4. TOH w/ tbg & RT scraper through perf interval (1189' 1201').
- 5. RIH & set CICR at 1139'. Pressure test tubing to 1000 psi,
- 6. Plug #1, 1089' 1201' (Picture Cliffs Top at 1210', FTC top 1188', Perfs: 1189' 1201'): Mix & pump 15 sxs (17.3 ft³) of Class G neat cement (or equivalent). Sting out of retainer, leaving ~ 50' of cement on top of CICR. PU 100' above TOC and reverse circulate to load casing and clean tubing. Close BOP (pipe rams) and attempt to pressure test casing to 500 psi.
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- 8. Plug #3, Surface' 200' (8 5/8" surface casing shoe at 175'). Note: Circulated 8 bbls of cement to surface on primary surface casing cement job. Mix and pump ~25 sxs (29.5 ft³) to fill inside of casing. Top off as necessary.
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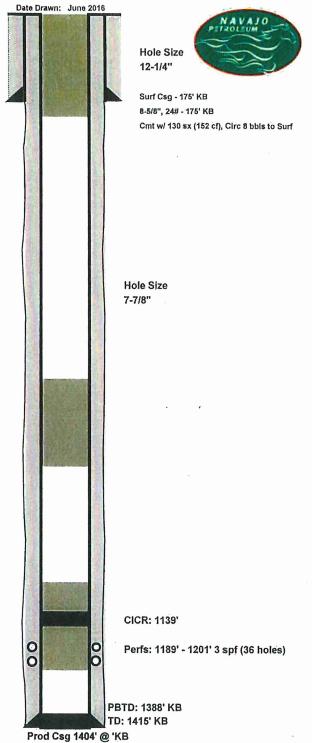
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CIRC 35BBL CMT to surface

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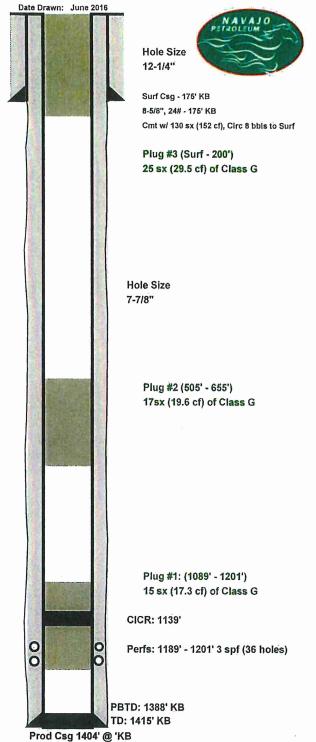
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MD	665							



38 Joints of 5.5",15.5lb,J55 LT&C CMT: LEAD: 175SX(338cf), TAIL: 140SX(161cf) CIRC 35BBL CMT to surface

Length	Тор	Bottom
KB Adjustment		
MA, SN & 38 Jts of 2-3/8", 4:7#, J55 EUE	1	
EOT: 1271' KB		
SN: 1239' KB		

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 <u>minimum general</u> 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_2S .
- 8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, 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.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT FARMINGTON DISTRICT OFFICE

6251 COLLEGE BLVD. FARMINGTON, NEW MEXICO 87402

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment Well: CBM 11-27-14 #15

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. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
- 3. The following modifications to your plugging program are to be made:
 - a) Set Plug #2 (844 944) ft. to cover Fruitland top. BLM picks top of Fruitland at 894 ft.

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.

Released to Imaging: 8/6/2021 10:59:26 AM

BLM FLUID MINERALS Geologic Report

Date Completed: 6/7/21

Well No. CBM 11-27-14 #15 (API# 30-045-35295)			Location	990	FSL	&	1657	FEL
Lease No.	NO-G-1008-1773		Sec. 11	,	T27N			R14W
Operator	Navajo Nation Oil	& Gas Company	County	San Juan		State	New Mexico	
Total Depth	1410'	PBTD 1388'	Formation	Fruitland	l Coal			
Elevation (GL)	5965'		Elevation (K	B) 5970'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/Fresh water sands
Nacimiento Fm					Fresh water sands
Ojo Alamo Ss					Aquifer (fresh water)
Kirtland Shale	Surface	894			Possible usable water near surface
Fruitland Fm	894	1210			Coal/Gas/Possible water
Pictured Cliffs Ss	1210	PBTD			Gas
Lewis Shale					
Chacra					
Cliff House (La					Water/Possible gas
Ventana) Ss					
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale					
Gallup					O&G/probable water
Sanostee					
Graneros Shale					
Dakota Ss					Gas/potential oil/water
Morrison					Water/possible gas

Remarks:

P & A

Received by OCD: 8/3/2021 4:49:45 PM

- No well log available for the subject well, tops were estimated from well logs for Reference Well #1.
- BLM formation top estimate for the Fruitland formation varies from Operator formation top as submitted.
- Please adjust the top of Plug #1 or the bottom of Plug #2 to cover BLM estimate for the Fruitland formation top @ 894'.
- Fruitland Coal perforations @ 1189'-1201'.

Reference Well:

1) Formation Tops (+7' KB) Miami Oil Producers, Inc. Ojo Alamo #1 Sec. 14, T27N, R14W GL 5982' KB 5989'

Prepared by: Chris Wenman

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

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**

COMMENTS

Action 39751

COMMENTS

Operator:	OGRID:	
NNOGC EXPLORATION AND PRODUCTION, LLC	292875	
1625 Broadway	Action Number:	
Denver, CO 80202	39751	
	Action Type:	
	[C-103] NOI Plug & Abandon (C-103F)	

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 8/6/2021	8/6/2021

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CONDITIONS

Action 39751

CONDITIONS

Operator:	OGRID:
NNOGC EXPLORATION AND PRODUCTION, LLC	292875
1625 Broadway	Action Number:
Denver, CO 80202	39751
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	8/6/2021
kpickford	Adhere to BLM approved plugs	8/6/2021