U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Sunary Print Kepon 03/30/2022

Well Name: NO DOUBT

Well Location: T27N / R13W / SEC 6 /

NWNE / 36,609346 / -108.257862

County or Parish/State: SAN

JUAN / NM

Well Number: 90

Type of Well: CONVENTIONAL GAS

WELL

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Allottee or Tribe Name:

Unit or CA Name:

Unit or CA Number:

US Well Number: 300453078100S1

Lease Number: NMNM89131

Well Status: Gas Well Shut In

Operator: NAVAJO NATION OIL

& GAS COMPANY

Notice of Intent

Sundry ID: 2664223

Type of Submission: Notice of Intent

Date Sundry Submitted: 03/28/2022

Date proposed operation will begin: 03/28/2022

Type of Action: Plug and Abandonment

Time Sundry Submitted: 04:48

Procedure Description: Please find attached the P&A plan for the referenced well. NO Reclamation plan attached as onsite are coordinated with BIA.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

No_Doubt_90 PA_WBD_20220328164547.pdf

No_Doubt_90__PA_Procedure__002__20220328164536.pdf

Received by OCD: 4/13/2022 12:51:42 PM

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Well Status: Gas Well Shut In

Operator: NAVAJO NATION OIL

& GAS COMPANY

Signed on: MAR 28, 2022 04:45 PM

Conditions of Approval

Additional Reviews

2664223_NOIA_90_3004530781_KR_03302022_20220330150353.pdf

General_Requirement_PxA_20220330150335.pdf

27N13W06BKpc_No_Doubt_90_20220330145242.pdf

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: ARLEEN, SMITH

Name: NAVAJO NATION OIL & GAS COMPANY

Title: Regulatory Specialist

Street Address: 332 RD 3100

City: AZTEC

State: NM

Phone: (505) 327-4892

Email address: ARLEEN@WALSHENG.NET

Field Representative

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Phone: 5055647742

Disposition: Approved

Signature: Kenneth Rennick

BLM POC Title: Petroleum Engineer

BLM POC Email Address: krennick@blm.gov

Disposition Date: 03/30/2022

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

6251 COLLEGE BLVD. FARMINGTON, NEW MEXICO 87402

AFMSS 2 Sundry ID 2664223

Attachment to notice of Intention to Abandon

Well: No Doubt 90

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 Pictured Cliff's formation top at 1262'. Or pump a volume of cement below retainer to completely isolate the perforations.
- 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 3/30/2022

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.

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- 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), 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.

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 03/30/2022

Well No. No Doubt #90 (API	Doubt #90 (API# 30-045-30781)		790	FNL	&	1850	1850 FEL	
Lease No. NMNM-89131		Sec. 06	T27N			R13	sw	
Operator NNOGC Explorati	ion & Production, LLC	County	San Juan State New Mex		Iexico			
Total Depth 1395'	PBTD 1332'	Formation Pictured Cliffs (TD), Fruitland (prod		nd (producin	g)			
Elevation (GL) 5875'		Elevation (KB) 5880'						

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm					
Ojo Alamo Ss					
Kirtland Shale	Surface	958			Possible isolated freshwater sands
Fruitland Fm	958	1262			Coal/Gas/Possible water
Pictured Cliffs Ss	1262	PBTD			Gas
Lewis Shale					
Chacra			1		
Cliff House Ss					
Menefee Fm					
Point Lookout Ss					
Mancos Shale					
Gallup					<u></u>
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison Formation					

Remarks:

P & A

- No log available for subject well. Operator submitted tops are acceptable based on Reference Well #1.

Add a plug to cover the Pictured Cliffs formation top at 1262'.

- The plugs proposed in the P&A procedure, with changes recommended above, will adequately protect any freshwater sands in this well bore.
- Fruitland perfs 1191' 1250'.

Reference Well:

1) Formation Tops Jerome P. McHugh Wayout #2 960' FNL, 1450' FWL Sec. 5, T27N, R13W KB 5933'

Prepared by: Chris Wenman

P&A Procedure

NNOG - No Doubt #90

API: 30-045-30781

790' FNL & 1850' FEL, Section 06, T27N, R13W San Juan, New Mexico

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 calculations based on 4-1/2" 10.5# casing. Cement circulated on both casing strings. If casing pressure tests tagging plugs will not be required.

Prior to Mobilization

- Notify BLM & NN Minerals Department
- 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.

P&A Procedure

- 1. MIRU PU and cement equipment
- 2. ND horse head. LD stuffing box and polished rod. Pull rods and pump.
- 3. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools
- 4. POOH 2 3/8" (38 jnts) production string set at ~1311'.
- 5. TIH with 4-1/2" casing scraper to 1180'. TOOH LD 4-1/2" scraper.
- 6. TIH with CICR and set @ 1141'. Roll hole with fresh water. Sting into retainer. PT tubing to 500 psi. Pressure test casing to 500 psi.
- 7. Plug #1, 1141'-908' (Fruitland Top @ 958'; Perfs: 1191'-1250'): Sting out of retainer. Mix and pump 19 sk (21.85 cf) of Class G cement in balanced plug. PU 200' above plug and reverse circulate tubing clean. WOC if necessary. PT casing to 500 psi if previous attempt failed.
- 8. Plug #2, 182' Surface' (7.0" Surface Shoe @ 132'): Mix & pump 19 sx (21.85 cf) or until cement circulate of Class G cement in balanced plug. 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. Take RD, MOL - Restore location per BLM stipulations. Take pictures from all cardinal directions. Ensure to notify project management of all remaining equipment on location once plugging is complete.

Kyle T. Mason

Operations Engineer

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Well/Facility:	No Doubt #90	_ Well Status:	Current
Operator:	NNOGC	Orig Oper:	Dugan
Lease/Op Agmt:		_ KB: API#:	30-045-30781
Field: County:	Basin Fruitland Coal San Juan	_ AF1#: GR/KB:	5875' GL (5' KB)
State:	NM	TD:	1395'
Spud:	3/7/2002	PBTD:	1332'
Comp. Date:	4/11/2002	_ W:	
1st Prod:	4/15/2002	_ NRI:	
Wellhead Conn: Surface Loc:	790' FNL & 1850' FEL		
Sec-Twn-Rge:	Sec 06/T27N/13W		
Pumper:			
Foreman:			
Anchors Tested			
Notes:			
Date:	History:		
			
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5 - 12 - 2 15 P. S. S. P. P. S. S.	Deviation	Ge	ologic Markers
MD	Inclination	MD	Formation
		II=	Ojo Atamo
		Surface	Kirtland
		958'	Fruitland
		1262'	Pictured Cliffs
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				Casing Rec	ord		
				Surface			
OD	WT/FT	GRADE	Top	Bottom	Thead	Bit Size	
7"	20	J55	0	132	ST&C	8-3/4"	
	- '	·	•	Productio	n		
OD	WT/FT	GRADE	Тор	Bottom	Thread	Bit Size	
4.5"	10.5	J55	0	1388	ST&C	6-1/4"	
	1.00		i	T -	1		

Plug #2 - 182'-surface' (7.0" Surface Shoe @ 132') 19 sxs Class G Neat (21.85 cf)

Plug #1 - 1141'-908' (PC/Fruitland) 19 sxs Class G Neat (21.85 cf)

Peris: 1191-1250' Set retainer @ 1141'

PBTD: 1332' KB TD: 1395' KB

		Production Tubing Detail					
Length	WT	Тор	Bottom				
5.00			5.00				
4.00		<u> </u>	9.00				
33.00			42.00				
1.10			43.10				
1270.66			1313.76				
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	5.00 4.00 33.00 1.10	5.00 4.00 33.00 1.10	5.00 4.00 33.00 1.10				

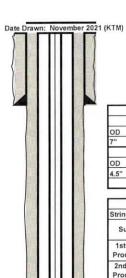
Rod Deta	II - UNK		
And the second s		Тор	Bottom
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Pumping Unit:	Gear Sheave:	
API Designation:	Stroke Length:	
Samson Post SN:	Gear Ratio:	
Gear Box SN:	SPM:	
Structural Unbalance:	Horse Power:	
Power:	Volts:	_
Power SN:	Amps:	
Sheave Size:	Belts:	

Well/Facility:	No Doubt #90	Well Status:	Current
Operator:	NNOGC	Orig Oper:	Dugan
Lease/Op Agmt:		KB:	
Field:	Basin Fruitland Coal	API#:	30-045-30781
County:	San Juan	GR/KB:	5875' GL (5' KB)
State:	NM	TD:	1395'
Spud:	3/7/2002	PBTD:	1332'
Comp. Date:	4/11/2002	WI:	
1st Prod:	4/15/2002	NRI:	
Wellhead Conn:		241,0000	
Surface Loc:	790' FNL & 1850' FEL		
Sec-Twn-Rge:	Sec 06/T27N/13W		
Pumper:			
Foreman:			
Anchors Tested			
Notes:			

Date:	History:	
	Deviation	Geologic Markers

	Deviation	Ge	eologic Markers
MD	Inclination	MD	Formation
145	0.75	_	Ojo Alamo
650	0.25	Surface	Kirtland
1,370	0.75	958'	Fruitland
		1262'	Pictured Cliffs
			-





				Casing Rec	ord		
				Surface			
OD	WT/FT	GRADE	Тор	Bottom	Thead	Bit Size	
7"	20	J55	0	132	ST&C	8-3/4"	
				Productio	n		
OD	WT/FT	GRADE	Тор	Bottom	Thread	Bit Size	
4.5"	10.5	J55	0	1388	ST&C	6-1/4"	
4.5"	10.5	J55	0	1388	ST&C	6-1/4"	

	Cement	
String/Stage	Cement Type and Volume	TOC/Method
Surface	Lead: 59 cf Class B	Surface- Circ 2 bbls
	Tail:	Outlace-Offe E obis
1st Stage Production	Lead: 164.8 cf Class B	Surface- Circ 9 bbls
	Tail: 88.5 cf Class B	Sulface- Oile 9 DDIS
2nd Stage Production	Lead:	
	Tail:	

Perforations (Depth, SPF, EHD)	
242'-1250', 1191'-1200'. 4SPF. 68 holes	
Stimulation Detail	
30,000# 20/40, 10,000 resin, 240,000 mscf N2	

PBTD: 1332' KB TD: 1395' KB

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	Production To	ubing Detail		
	Length	WT	Тор	Bottom
KB Adjustment	5.00			5.00
PS	4.00			9.00
PS MS	33.00			42.00
SN	1.10			43.10
2-3/8" tubing	1270.66			1313.76

Rod Detail - U	INK		
		Тор	Bottom
			_
			_
			-
Pump details - UNK "x1-1/4"x6'x8'x11' RHAC (w/ 12" strainer nipple)			

Pumping Unit:	Gear Sheave:	
API Designation:	Stroke Length:	
Samson Post SN:	Gear Ratio:	
Gear Box SN:	SPM:	
Structural Unbalance:	Horse Power:	
Power:	Volts:	
Power SN:	Amps:	
Sheave Size:	Belts:	

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**

CONDITIONS

Action 98290

CONDITIONS

Operator:	OGRID:
NNOGC EXPLORATION AND PRODUCTION, LLC	292875
P.O. Box 4439	Action Number:
Window Rock, AZ 86515	98290
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By		Condition Date
kpickford	CBL required	4/14/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	4/14/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	4/14/2022