Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
DR PI FEDERAL	11H	3002548944	NMNM128362	NMNM105825907	OXY USA
DR PI FEDERAL	24H	3002548948	NMNM128362	NMNM105825907	OXY USA
DR PI FEDERAL	12H	3002548945	NMNM128362	NMNM105825907	OXY USA

Notice of Intent

Sundry ID: 2777272

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 02/29/2024

Time Sundry Submitted: 06:47

Date proposed operation will begin: 03/04/2024

Procedure Description: OXY USA Inc. respectfully requests approval to amend the subject well AAPDs to change the production cement from Class H 13.2ppg/Poz slurry to 13.3ppg Class C/Poz slurry. See the attached bulk drill plan revisions and cement lab results for reference.

NOI Attachments

Procedure Description

Chuck_Smith_MDP1_8_17_Federal_Com_22H___Production___13.3ppg_Tail_20240229064707.pdf

Dr_Pi_DA_24H__11H__12H_Bulk_Sundry_for_Cement_Design_20240229064658.pdf

Conditions of Approval

Additional

Oxy_Class_H_to_Class_C_POZ_Cement_Change_20240424090544.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: LESLIE REEVES **Signed on:** FEB 29, 2024 06:47 AM

Name: OXY USA INCORPORATED

Title: Advisor Regulatory

Street Address: 5 GREENWAY PLAZA, SUITE 110

City: HOUSTON **State:** TX

Phone: (713) 497-2492

Email address: LESLIE_REEVES@OXY.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY **BLM POC Title:** ENGINEER

BLM POC Phone: 5759884722 **BLM POC Email Address:** KIMMATTY@BLM.GOV

Disposition: Approved **Disposition Date:** 04/24/2024

Signature: Keith Immatty

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Batch Well Data

DR PI FEDERAL UNIT 17_8 24H, US Well Number: 3002548948, Case Number: NMNM105825907, Lease Number: NMNM128362, Operator:OXY USA INCORPORATED

DR PI FEDERAL UNIT 17_8 11H, US Well Number: 3002548944, Case Number: NMNM105825907, Lease Number: NMNM128362, Operator:OXY USA INCORPORATED

DR PI FEDERAL UNIT 17_8 12H, US Well Number: 3002548945, Case Number: NMNM105825907, Lease Number: NMNM128362, Operator:OXY USA INCORPORATED

From: Immatty, Keith P
To: Pelton, Ben R; Walls, Christopher
Cc: Adam, Derek W; Baughman, Travis W; Threadgill, Kevin T; Reeves, Leslie T; Hart, Hunter K
Subject: RE: [EXTERNAL] Oxy NM Production slurries
Date: Friday, February 9, 2024 9:11:00 AM

Reviewed and is OK.

Please plan on doing batch sundries for the wells these apply to. On the sundry please attach a cement properties summary/ spec sheet as well as an additives list.

Regards,

Keith Immatty

From: Pelton, Ben R <Ben_Pelton@oxy.com>
Sent: Thursday, February 8, 2024 1:50 PM
To: Immatty, Keith P <kimmatty@blm.gov>; Walls, Christopher <cwalls@blm.gov>
Cc: Adam, Derek W <Derek_Adam@oxy.com>; Baughman, Travis W <Travis_Baughman@oxy.com>; Threadgill, Kevin T <Kevin_Threadgill@oxy.com>; Reeves, Leslie T <Leslie_Reeves@oxy.com>; Hart, Hunter K <Hunter_Hart@oxy.com>
Subject: [EXTERNAL] Oxy NM Production slurries

Keith, Chris,

When transitioning from our previous slurry (TXI/SLBD049) due to economic and supply drivers, early attempts were made to utilize API Class H.
However, at these densities, (namely < 14.0 ppg) Class H showed rheological concerns resulting in potential mixing issues, higher equivalent circulating densities (ECD's which increased risk of losses), and downhole instability. Densities >14.0 ppg are sufficient for lower Wolfcamp with high mud weights but most shallower benches require 13.2 ppg or less to avoid breaking down formation.
Class C / Pozzolan composition mitigated all of these concerns while achieving target fluid properties associated with Thickening Time, sufficient compressive strength development, Free Fluid, Fluid Loss, etc.

Note: When compared to the Class H / Poz system(s), the Class C / Poz slurry achieved earlier (faster) compressive strength development.

Class H / Poz: 500 psi 13:12 hr:mn
Class C / Poz: 500 psi 06:10 hr:mn

Please let us know if you have any questions, would like to discuss on a call or need further information. If approved, we will sundry our production slurries going forward to ensure we cover our bases with the selected cement system in lateral.

Thanks,

Ben Pelton
Drilling Engineer Supervisor, Delaware Basin
Occidental Oil & Gas Corp.
5 Greenway Plaza, Suite 110 | Houston, TX 77046 | GW5 25.131
O: 713-497-2379 | M: 701-690-8645
Ben_Pelton@oxy.com

Laboratory Cement Test Report
MIX 2023-3651 – OXY – HP479 – CHUCK SMITH MDP1 8_17 FED COM 022H – Production – 13.3ppg Tail
Service Order: 74499

Date: Dec-22-2023	Casing: 5.5	District: ANM	Reported By: Torrance Galvan
			Design Input By: Denys Teodoro
BHCT / BHST	160 / 160 °F	BHP: 8,100 psi	MD / TVD: 21,135.00 / 10,649.00 ft

Composition

Slurry Density	13.30 lb/gal	Yield	1.84 ft³/sk of blend	Mix Fluid	9.581 gal/sk SackOfBlend
Solid Vol. Fraction	29.59 %	Slurry Type	Tail	Mix Water	9.551 gal/sk SackOfBlend
Blend Sack	90.50 lb	Blend Density	189.16 lb/ft³		

Code	Concentration	Component	Lot Number
D903	75.00 % BVOB	Cement	FB 11709
B721	25.00 % BVOB	Extender	FB 11709
B697	5.00 % BWOB	Extender	Bulk
D053	5.00 % BWOB	Expanding Agent	L3000
D167A	0.30 % BWOB	Fluid loss	PPRC1090-165
D174	3.00 % BWOB	Expanding Agent	ZY3A0112A3
D208	0.08 % BWOB	Viscosifier	0134196W
D800	1.10 % BWOB	Retarder	1220057
D047	0.020 gal/sk VBWOB	Anti Foam	D009L10L58
D177	**0.010 gal/sk VBWOB**	**Retarder**	92989
Rig Water	9.551 gal/sk of blend	Base Fluid	Rig

Surface Rheology

(rpm)	Up (deg)	Down (deg)	Average (deg)
300	56	56	56
200	44	43	44
100	30	28	29
60	23	21	22
30	19	16	18
6	13	10	12
3	11	8	10
10 sec Gel	9 deg - 10 lbf/100ft²		
10 min Gel	32 deg - 34 lbf/100ft²		
Bingham P_V	46 cP		
Bingham T_y	12 lbf/100ft²		
Measured Temp	80 °F		
Viscometer S/N: 382 | R1B1 F1.0			

Downhole Rheology

(rpm)	Up (deg)	Down (deg)	Average (deg)
300	89	89	89
200	77	67	72
100	57	43	50
60	48	33	41
30	35	24	29
6	20	14	17
3	15	12	14
10 sec Gel	10 deg - 11 lbf/100ft²		
10 min Gel	24 deg - 26 lbf/100ft²		
Bingham P_V	74 cP		
Bingham T_y	20 lbf/100ft²		
Measured Temp	160 °F		
Viscometer S/N: 382 | R1B1 F1.0			

Free Fluid

(0%) 0 / 250 in 2 hrs at 80 °F and 45 deg inclination
Sedimentation: None
Test Method: Unknown
Cylinder Dimensions: 250mL: 35 mm x 245 mm

Fluid Loss

API Calculated Fluid Loss 50.00 mL
25.00 mL collected in 30 mins at 163 °F
Filter Cake - Height: 1.2 in. Consistency: Hard
Static press was utilized with temp measured in jacket wall

Thickening Time

Consistency	Time
KSQR TT	08:00 to 12:00 hr:mn
POD	06:41 hr:mn
30 Bc	07:24 hr:mn
50 Bc	08:19 hr:mn
70 Bc	08:33 hr:mn
Go/No-Go	Motor off at 01:35 for 00:20
Consistometer S/N	327
Set Conditions	Thick (Gelled)

UCA Compressive Strength

Time	Compressive Strength	Temperature
03:58 hr:mn	50 psi	160 degF
06:10 hr:mn	500 psi	160 degF
24:00 hr:mn	1069 psi	160 degF
48:00 hr:mn	1241 psi	160 degF
72:00 hr:mn	1294 psi	160 degF
Machine S/N:	640	

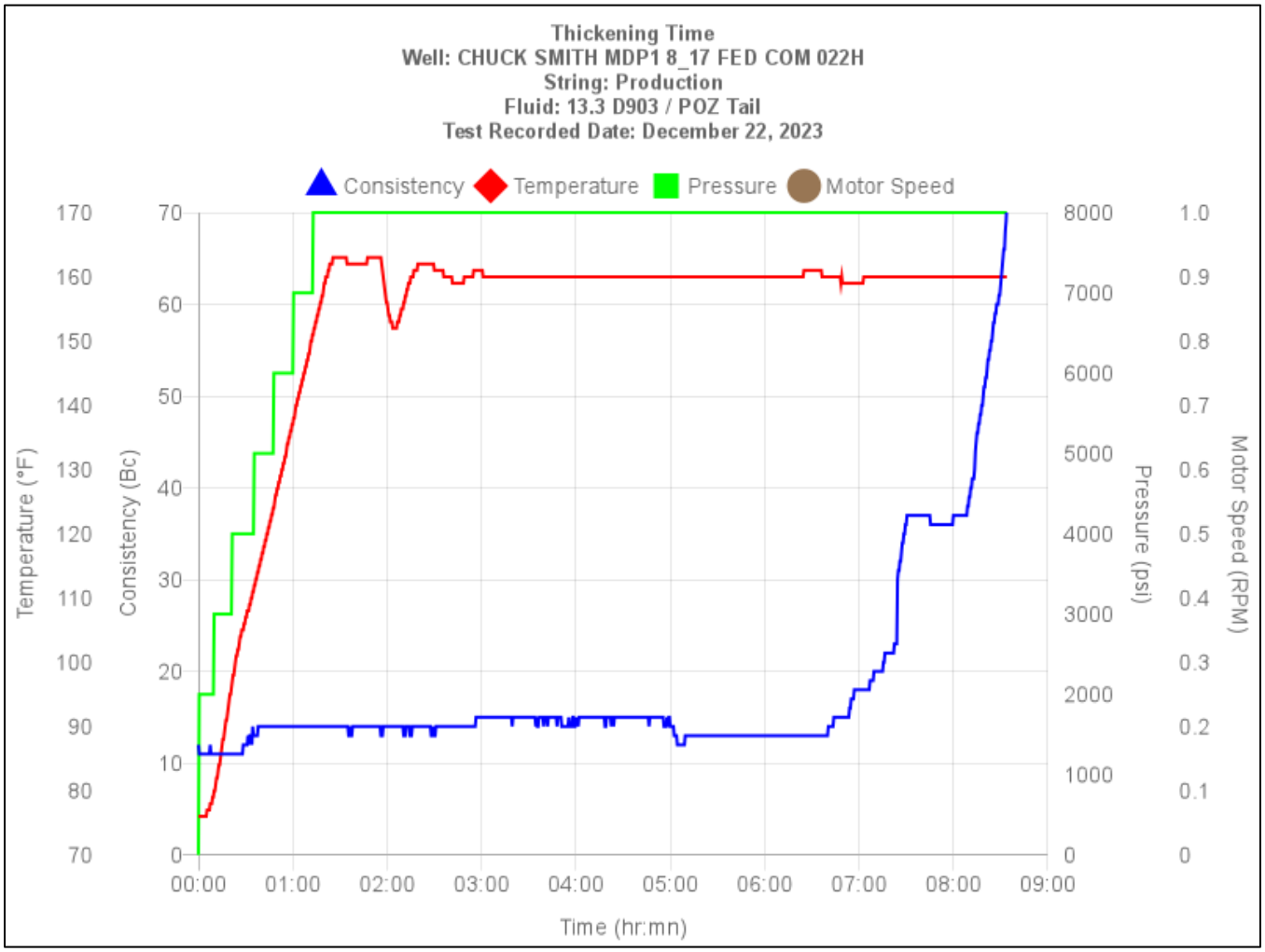
Comments

All slurries prepared and tested in accordance with RP 10B-2 unless otherwise noted and SLB WIT Laboratory Standard Work Instructions.

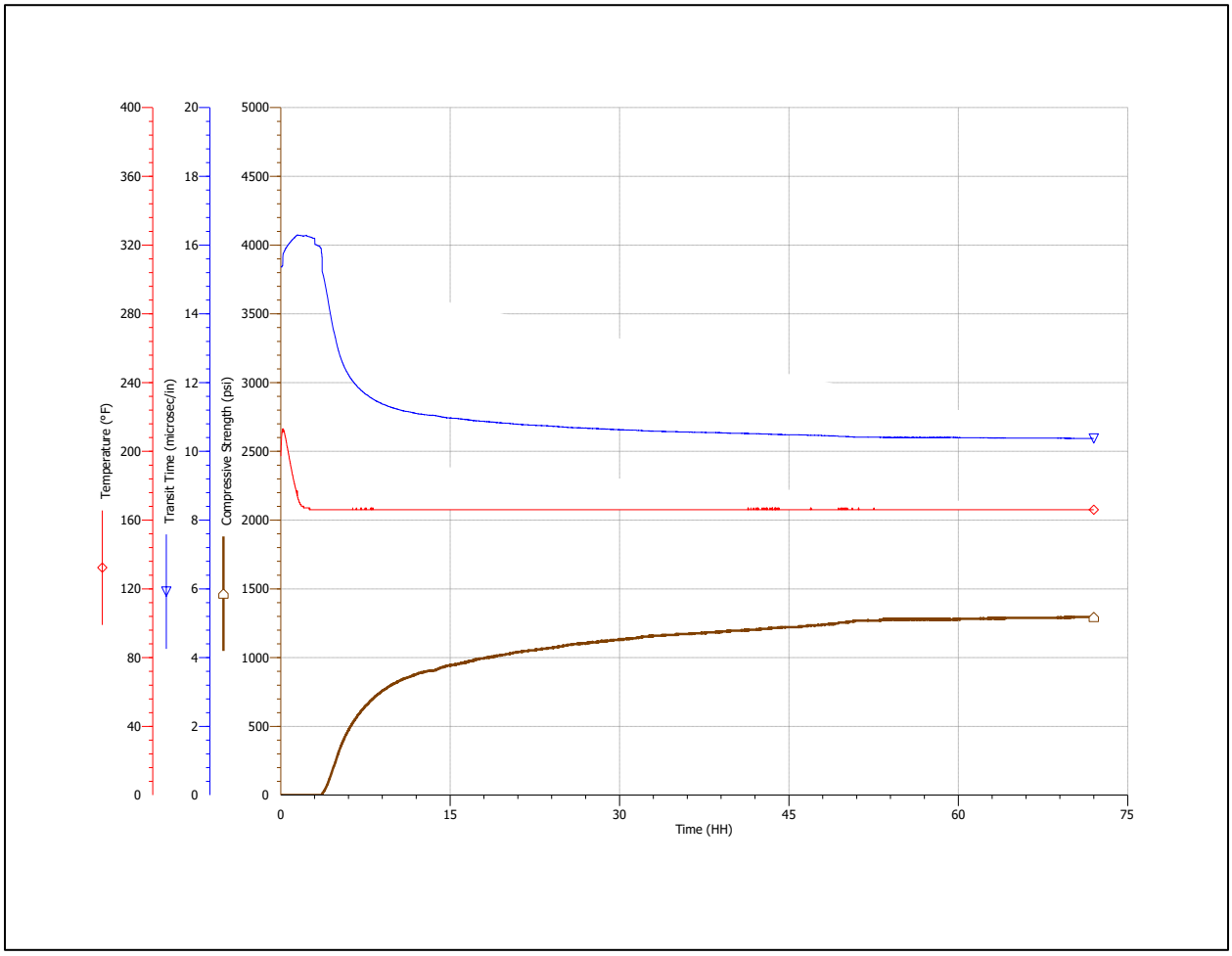
Mixability assessment: **00:16 mn:sc** to add solids to blender. Vortex quality was **good/visible** after all solids added.

Liquid additives (if used) are added to the mix water prior to adding dry blend in the blender first at 4000rpm.

Thickening Time Graph



UCA Graph



Oxy USA Inc. – SUNDRY
Dr Pi Fed Unit 17_8 DA 71H, 72H, 73H, 74H

This is a bulk sundry request for x3 wells in Lea County, Section 17 T22S R32E. The wells related to this sundry request are:

API #	APD #	Well Name
30-025-48948	10400050336	Dr Pi Fed Unit 17_8 DA 24H
30-025-48944	10400051366	Dr Pi Fed Unit 17_8 DA 11H
30-025-48945	10400051367	Dr Pi Fed Unit 17_8 DA 12H

1. Summary of Changes

- Update production tail slurry from 13.2 ppg Class H/Poz slurry to 13.3 ppg Class C/Poz slurry

Original Plan as Permitted:

Cementing Program

Section	Stage	Slurry	Sacks	Yield (ft^3/sk)	Density (lb/gal)	Excess	TOC	Placement	Description
Surface	1	Surface - tail	1001	1.33	14.8	100%	-	Circulate	Class C+Accel.
Intermediate	1	Intermediate 1S - Tail	651	1.65	13.2	5%	7201	Circulate	Class H+Accel., Disper., Salt
Intermediate	2	Intermediate 2S - Tail BH	2509	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Production	1	Production - Tail	884	1.38	13.2	25%	9114	Circulate	Class H+Ret., Disper., Salt

Proposed Revised Plan – Changes Highlighted:

Cementing Program

Section	Stage	Slurry	Sacks	Yield (ft^3/sk)	Density (lb/gal)	Excess	TOC	Placement	Description
Surface	1	Surface - tail	1001	1.33	14.8	100%	-	Circulate	Class C+Accel.
Intermediate	1	Intermediate 1S - Tail	651	1.65	13.2	5%	7201	Circulate	Class H+Accel., Disper., Salt
Intermediate	2	Intermediate 2S - Tail BH	2509	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Production	1	Production - Tail	663	1.84	13.3	25%	9114	Circulate	Class C+Ret.

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 337943

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 337943
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	PREVIOUS COA'S APPLY	4/26/2024