

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

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
GOLD LOG 4-9	313H	3002552192	NMNM104687	NMNM104687	OXY USA
REGAL LAGER	34H	3002552491	NMNM131587	NMNM131587	OXY USA
NOW I WON 25-	33H	3001554748	NMNM25365	NMNM25365	OXY USA
NOW I WON 25-	32H	3001554747	NMNM25365	NMNM25365	OXY USA
CHUCK SMITH	22H	3001554097	NMNM142143	NMNM142143	OXY USA
HEADS CC 9-4	21H	3001547188	NMNM99034	NMNM99034	OXY USA
HEADS CC 9-4	25H	3001547338	NMNM99034	NMNM99034	OXY USA
GOLD LOG 4_9	33H	3002552188	NMNM86710	NMNM86710	OXY USA
GOLD LOG 4-9	34H	3002552189	NMNM131588	NMNM131588	OXY USA
NOW I WON 25-	34H	3001554749	NMNM25365	NMNM25365	OXY USA
GOLD LOG 4_9	311H	3002552225	NMNM86710	NMNM86710	OXY USA
REGAL LAGER	31H	3002552488	NMNM131587	NMNM131587	OXY USA
DR PI FEDERAL	21H	3002547835	NMNM90587	NMNM105825907	OXY USA
GOLD LOG 4_9	72H	3002552190	NMNM86710	NMNM86710	OXY USA
REGAL LAGER	32H	3002552489	NMNM131587	NMNM131587	OXY USA
NOW I WON 25-	35H	3001554755	NMNM25365	NMNM25365	OXY USA
NOW I WON 25-	31H	3001554746	NMNM25365	NMNM25365	OXY USA
HEADS CC 9-4	24H	3001547337	NMNM99034	NMNM99034	OXY USA
HEADS CC 9-4	22H	3001547335	NMNM99034	NMNM99034	OXY USA
CHUCK SMITH	23H	3001554260	NMNM142143	NMNM142143	OXY USA
GOLD LOG 4-*9	74H	3002552191	NMNM104687	NMNM104687	OXY USA
REGAL LAGER	36H	3002552493	NMNM131587	NMNM131587	OXY USA
NOW I WON 25-	36H	3001554756	NMNM25365	NMNM25365	OXY USA
GOLD LOG 4_9	71H	3002552224	NMNM86710	NMNM86710	OXY USA
REGAL LAGER	33H	3002552490	NMNM131587	NMNM131587	OXY USA
REGAL LAGER	35H	3002552492	NMNM131587	NMNM131587	OXY USA
NOW I WON 25-	37H	3001554757	NMNM25365	NMNM25365	OXY USA
DR PI FEDERAL	25H	3002548159	NMNM90587	NMNM105825907	OXY USA
DR PI FEDERAL	22H	3002548157	NMNM90587	NMNM105825907	OXY USA
NOW I WON 25-	74H	3001554734	NMNM25365	NMNM25365	OXY USA

**Notice of Intent**

**Sundry ID:** 2778457

**Type of Submission:** Notice of Intent

**Type of Action:** APD Change

**Date Sundry Submitted:** 03/07/2024

**Time Sundry Submitted:** 01:41

**Date proposed operation will begin:** 03/11/2024

**Procedure Description:** OXY USA Inc. respectfully requests approval to amend the subject well(s) AAPD to update the production string cement from 13.2ppg Class H/Poz slurry to a 13.3 Class C/Poz slurry. See the attached drill plan revision summaries and lab test for reference. No surface hole changes or additional disturbance are related to this sundry.

**NOI Attachments**

**Procedure Description**

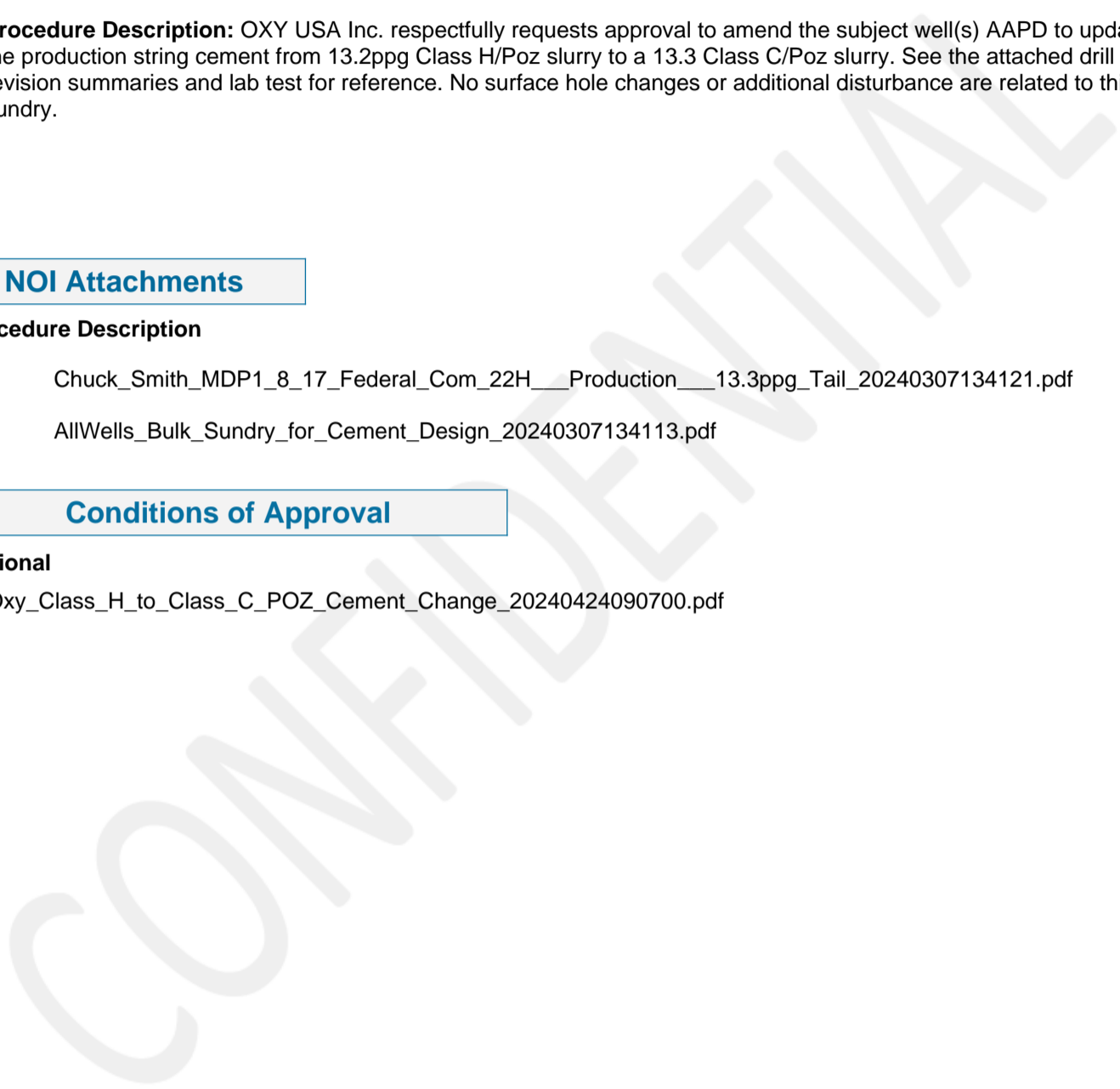
Chuck\_Smith\_MDP1\_8\_17\_Federal\_Com\_22H\_\_\_Production\_\_\_13.3ppg\_Tail\_20240307134121.pdf

AllWells\_Bulk\_Sundry\_for\_Cement\_Design\_20240307134113.pdf

**Conditions of Approval**

**Additional**

Oxy\_Class\_H\_to\_Class\_C\_POZ\_Cement\_Change\_20240424090700.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:** MAR 07, 2024 01:41 PM

**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 Phone:** 5759884722

**Disposition:** Approved

**Signature:** Keith Immatty

**BLM POC Title:** ENGINEER

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

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

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.**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

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			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 performed 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 determined 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 OFFICE 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 of this form to U.S. Department of the Interior, Bureau of Land 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 18\_7 IPP 25H, US Well Number: 3002548159, Case Number: NMNM105825907, Lease Number: NMNM90587,  
Operator:OXY USA INCORPORATED

DR PI FEDERAL UNIT 18\_7 IPP 22H, US Well Number: 3002548157, Case Number: NMNM105825907, Lease Number: NMNM90587,  
Operator:OXY USA INCORPORATED

CHUCK SMITH MDP1 8-17 FEDERAL COM 22H, US Well Number: 3001554097, Case Number: NMNM142143, Lease Number: NMNM142143,  
Operator:OXY USA INCORPORATED

HEADS CC 9-4 FEDERAL COM 21H, US Well Number: 3001547188, Case Number: NMNM99034, Lease Number: NMNM99034,  
Operator:OXY USA INCORPORATED

HEADS CC 9-4 FEDERAL COM 24H, US Well Number: 3001547337, Case Number: NMNM99034, Lease Number: NMNM99034,  
Operator:OXY USA INCORPORATED

HEADS CC 9-4 FEDERAL COM 25H, US Well Number: 3001547338, Case Number: NMNM99034, Lease Number: NMNM99034,  
Operator:OXY USA INCORPORATED

HEADS CC 9-4 FED COM 22H, US Well Number: 3001547335, Case Number: NMNM99034, Lease Number: NMNM99034,  
Operator:OXY USA INCORPORATED

DR PI FEDERAL UNIT 18\_7 IPP 21H, US Well Number: 3002547835, Case Number: NMNM105825907, Lease Number: NMNM90587,  
Operator:OXY USA INCORPORATED

CHUCK SMITH MDP1 8-17 FEDERAL COM 23H, US Well Number: 3001554260, Case Number: NMNM142143, Lease Number: NMNM142143,  
Operator:OXY USA INCORPORATED

GOLD LOG 4\_9 FEDERAL COM 33H, US Well Number: 3002552188, Case Number: NMNM86710, Lease Number: NMNM86710,  
Operator:OXY USA INCORPORATED

GOLD LOG 4\_9 FEDERAL COM 311H, US Well Number: 3002552225, Case Number: NMNM86710, Lease Number: NMNM86710,  
Operator:OXY USA INCORPORATED

GOLD LOG 4\_9 FEDERAL COM 71H, US Well Number: 3002552224, Case Number: NMNM86710, Lease Number: NMNM86710,  
Operator:OXY USA INCORPORATED

GOLD LOG 4\_9 FEDERAL COM 72H, US Well Number: 3002552190, Case Number: NMNM86710, Lease Number: NMNM86710,  
Operator:OXY USA INCORPORATED

GOLD LOG 4-9 FEDERAL COM 313H, US Well Number: 3002552192, Case Number: NMNM104687, Lease Number: NMNM104687,

Operator:OXY USA INCORPORATED

GOLD LOG 4-9 FEDERAL COM 34H, US Well Number: 3002552189, Case Number: NMNM131588, Lease Number: NMNM131588,

Operator:OXY USA INCORPORATED

GOLD LOG 4-\*9 FEDERAL COM 74H, US Well Number: 3002552191, Case Number: NMNM104687, Lease Number: NMNM104687,

Operator:OXY USA INCORPORATED

REGAL LAGER 31-19 FEDERAL COM 35H, US Well Number: 3002552492, Case Number: NMNM131587, Lease Number: NMNM131587,

Operator:OXY USA INCORPORATED

REGAL LAGER 31-19 FEDERAL COM 36H, US Well Number: 3002552493, Case Number: NMNM131587, Lease Number: NMNM131587,

Operator:OXY USA INCORPORATED

REGAL LAGER 31-19 FEDERAL COM 34H, US Well Number: 3002552491, Case Number: NMNM131587, Lease Number: NMNM131587,

Operator:OXY USA INCORPORATED

REGAL LAGER 31-19 FEDERAL COM 31H, US Well Number: 3002552488, Case Number: NMNM131587, Lease Number: NMNM131587,

Operator:OXY USA INCORPORATED

REGAL LAGER 31-19 FEDERAL COM 32H, US Well Number: 3002552489, Case Number: NMNM131587, Lease Number: NMNM131587,

Operator:OXY USA INCORPORATED

REGAL LAGER 31-19 FEDERAL COM 33H, US Well Number: 3002552490, Case Number: NMNM131587, Lease Number: NMNM131587,

Operator:OXY USA INCORPORATED

NOW I WON 25-24 FEDERAL COM 35H, US Well Number: 3001554755, Case Number: NMNM25365, Lease Number: NMNM25365,

Operator:OXY USA INCORPORATED

NOW I WON 25-24 FEDERAL COM 33H, US Well Number: 3001554748, Case Number: NMNM25365, Lease Number: NMNM25365,

Operator:OXY USA INCORPORATED

NOW I WON 25-24 FEDERAL COM 36H, US Well Number: 3001554756, Case Number: NMNM25365, Lease Number: NMNM25365,

Operator:OXY USA INCORPORATED

NOW I WON 25-24 FEDERAL COM 34H, US Well Number: 3001554749, Case Number: NMNM25365, Lease Number: NMNM25365,

Operator:OXY USA INCORPORATED

NOW I WON 25-24 FEDERAL COM 37H, US Well Number: 3001554757, Case Number: NMNM25365, Lease Number: NMNM25365,

Operator:OXY USA INCORPORATED

NOW I WON 25-24 FEDERAL COM 32H, US Well Number: 3001554747, Case Number: NMNM25365, Lease Number: NMNM25365,

Operator:OXY USA INCORPORATED

NOW I WON 25-24 FEDERAL COM 31H, US Well Number: 3001554746, Case Number: NMNM25365, Lease Number: NMNM25365,  
Operator: OXY USA INCORPORATED

NOW I WON 25-24 FEDERAL COM 74H, US Well Number: 3001554734, Case Number: NMNM25365, Lease Number: NMNM25365,  
Operator: OXY USA INCORPORATED

CONFIDENTIAL



**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

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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

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**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

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

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](mailto: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
BHCT / BHST	160 / 160 °F	BHP: 8,100 psi	Design Input By: Denys Teodoro
		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
<b>D177</b>	<b>0.010 gal/sk VBWOB</b>	<b>Retarder</b>	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 <sub>v</sub>	46 cP		
Bingham T <sub>y</sub>	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 <sub>v</sub>	74 cP		
Bingham T <sub>y</sub>	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)

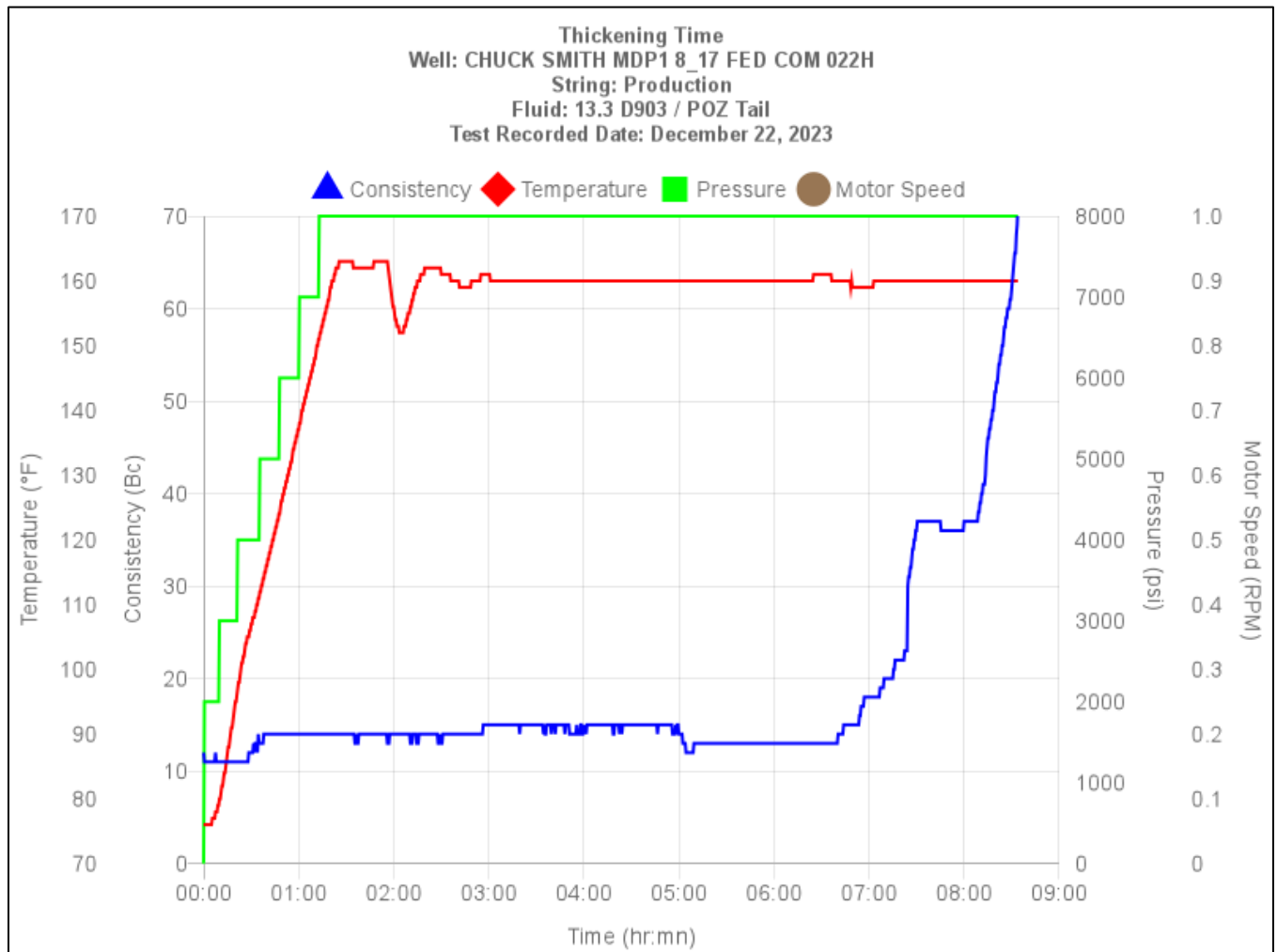
**UCA Compressive Strength**

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	

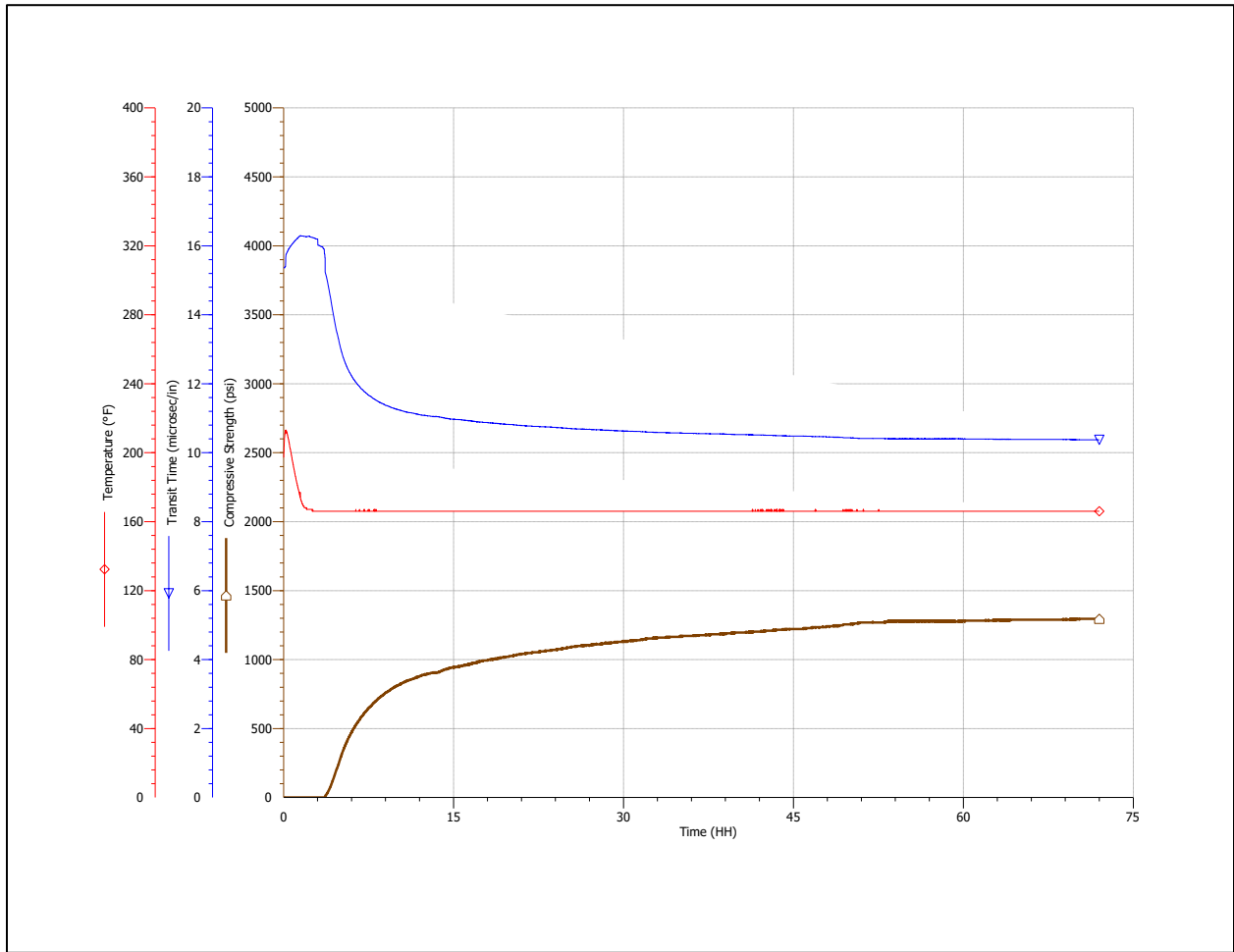
**Comments**

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  
 Chuck Smith MPD1 8\_17 Fed Com 22H, 23H**

This is a bulk sundry request for x2 wells in Eddy County, Section 5 T24S R31E. The wells related to this sundry request are:

APD #	Well Name
30-015-54097	Chuck Smith MPD1 8_17 Fed Com 22H
30-015-54260	Chuck Smith MPD1 8_17 Fed Com 23H

**1. Summary of Changes**

- Updated production tail from 13.2 ppg Class H/Poz slurry to a 13.3 ppg Class C/Poz slurry.

**Original Plan as Permitted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	775	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	446	1.65	13.2	5%	6,675	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	1029	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	889	1.38	13.2	25%	9,438	Circulate	Class H+Ret., Disper., Salt

**Proposed Revised Plan – Changes Highlighted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	967	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	446	1.65	13.2	5%	6,675	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	1201	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	667	1.84	13.3	25%	9,438	Circulate	Class C/H+Ret.

**Oxy USA Inc. – SUNDRY  
Dr Pi Federal Unit 18\_7 IPP 21H, 22H, 23H**

This is a bulk sundry request for x3 wells in Lea County, Section 18 T22S R32E. The wells related to this sundry request are:

APD #	Well Name
30-025-47835	DR PI FEDERAL UNIT 18 7 IPP 21H
30-025-48157	DR PI FEDERAL UNIT 18 7 IPP 22H
30-025-48159	DR PI FEDERAL UNIT 18 7 IPP 25H

**1. Summary of Changes**

- Updated production tail from 13.2 ppg Class H/Poz slurry to a 13.3 ppg Class C/Poz slurry.

**Original Plan as Permitted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	792	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	414	1.65	13.2	5%	7,074	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	1091	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	859	1.38	13.2	25%	9,602	Circulate	Class H+Ret., Disper., Salt

**Proposed Revised Plan – Changes Highlighted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	989	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	414	1.65	13.2	5%	7,074	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	1267	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	645	1.84	13.3	25%	9,602	Circulate	Class C/H+Ret.

**Oxy USA Inc. – SUNDRY  
Goldlog 4\_9 Fed Com 33H, 34H, 71H, 72H, 74H, 311H, 313H**

This is a bulk sundry request for x7 wells in Lea County, Section 4 T22S R32E. The wells related to this sundry request are:

APD #	Well Name
30-025-52188	GOLD LOG 4_9 FED COM 33H
30-025-52189	GOLD LOG 4_9 FED COM 34H
30-025-52224	GOLD LOG 4_9 FED COM 71H
30-025-52190	GOLD LOG 4_9 FED COM 72H
30-025-52191	GOLD LOG 4_9 FED COM 74H
30-025-52225	GOLD LOG 4_9 FED COM 311H
30-025-52192	GOLD LOG 4_9 FED COM 313H

**1. Summary of Changes**

- Updated production tail from 13.2 ppg Class H/Poz slurry to a 13.3 ppg Class C/Poz slurry.

**Original Plan as Permitted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	1087	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.1	1	Intermediate - Tail	85	1.33	14.8	20%	4,435	Circulate	Class C+Accel.
Int.1	1	Intermediate - Lead	697	1.73	12.9	50%	-	Circulate	Class Pozz+Ret.
Int. 2	1	Intermediate 1S - Tail	276	1.65	13.2	5%	7,258	Circulate	Class H+Accel., Disper., Salt
Int. 2	2	Intermediate 2S - Tail BH	814	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	908	1.38	13.2	25%	11,081	Circulate	Class H+Ret., Disper., Salt

**Proposed Revised Plan – Changes Highlighted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	1087	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.1	1	Intermediate - Tail	141	1.33	14.8	20%	4,435	Circulate	Class C+Accel.
Int.1	1	Intermediate - Lead	1140	1.73	12.9	50%	-	Circulate	Class Pozz+Ret.
Int. 2	1	Intermediate 1S - Tail	276	1.65	13.2	5%	7,258	Circulate	Class H+Accel., Disper., Salt
Int. 2	2	Intermediate 2S - Tail BH	484	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	681	1.84	13.3	25%	11,081	Circulate	Class C/H+Ret.



**Oxy USA Inc. – SUNDRY  
Heads CC 9\_4 Fed Com 21H, 22H, 24H, 25H**

This is a bulk sundry request for x4 wells in Eddy County, Section 16 T24S R29E. The wells related to this sundry request are:

API #	Well Name
30-015-47188	HEADS CC 9_4 FED COM 21H
30-015-47335	HEADS CC 9_4 FED COM 22H
30-015-47337	HEADS CC 9_4 FED COM 24H
30-015-47338	HEADS CC 9_4 FED COM 25H

**1. Summary of Changes**

- Updated production tail from 13.2 ppg Class H/Poz slurry to a 13.3 ppg Class C/Poz slurry.

**Original Plan as Permitted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	477	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	412	1.65	13.2	5%	5,282	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	753	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	879	1.38	13.2	25%	8,355	Circulate	Class H+Ret., Disper., Salt

**Proposed Revised Plan – Changes Highlighted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	477	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	412	1.65	13.2	5%	5,282	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	753	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	674	1.84	13.3	25%	8,055	Circulate	Class C/H+Ret.

**Oxy USA Inc. – SUNDRY  
Regal Lager 31\_19 Fed Com 34H, 35H, 36H**

This is a bulk sundry request for x3 wells in Lea County, Section 31 T21S R32E. The wells related to this sundry request are:

API #	Well Name
30-025-52491	REGAL LAGER 31_19 FED COM 34H
30-025-52492	REGAL LAGER 31_19 FED COM 35H
30-025-52493	REGAL LAGER 31_19 FED COM 36H

**1. Summary of Changes**

- Updated production tail from 13.2 ppg Class H/Poz slurry to a 13.3 ppg Class C/Poz slurry.

**Original Plan as Permitted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	724	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	590	1.65	13.2	5%	6,997	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	1081	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	1296	1.38	13.2	25%	10,812	Circulate	Class H+Ret., Disper., Salt

**Proposed Revised Plan – Changes Highlighted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	905	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	577	1.65	13.2	5%	6,998	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	1242	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	980	1.84	13.3	25%	10,721	Circulate	Class C/H+Ret.

**Oxy USA Inc. – SUNDRY  
Regal Lager 31\_19 Fed Com 31H, 32H, 33H**

This is a bulk sundry request for x3 wells in Lea County, Section 31 T21S R32E. The wells related to this sundry request are:

API #	Well Name
30-025-52488	REGAL LAGER 31_19 FED COM 31H
30-025-52489	REGAL LAGER 31_19 FED COM 32H
30-025-52490	REGAL LAGER 31_19 FED COM 33H

**1. Summary of Changes**

- Updated production tail from 13.2 ppg Class H/Poz slurry to a 13.3 ppg Class C/Poz slurry.

**Original Plan as Permitted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	893	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.1	1	Intermediate - Tail	85	1.33	14.8	20%	4,121	Circulate	Class C+Accel.
Int.1	1	Intermediate - Lead	650	1.73	12.9	50%	-	Circulate	Class Pozz+Ret.
Int. 2	1	Intermediate 1S - Tail	276	1.65	13.2	5%	6,966	Circulate	Class H+Accel., Disper., Salt
Int. 2	2	Intermediate 2S - Tail BH	775	1.71	13.3	25%	-	Bradenhead Post-Frac	Class C+Accel.
Prod.	1	Production - Tail	1308	1.38	13.2	25%	10,780	Circulate	Class H+Ret., Disper., Salt

**Proposed Revised Plan – Changes Highlighted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	893	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.1	1	Intermediate - Tail	85	1.33	14.8	20%	4,121	Circulate	Class C+Accel.
Int.1	1	Intermediate - Lead	650	1.73	12.9	50%	-	Circulate	Class Pozz+Ret.
Int. 2	1	Intermediate 1S - Tail	276	1.65	13.2	5%	6,966	Circulate	Class H+Accel., Disper., Salt
Int. 2	2	Intermediate 2S - Tail BH	775	1.71	13.3	25%	-	Bradenhead Post-Frac	Class C+Accel.
Prod.	1	Production - Tail	981	1.84	13.3	25%	10,780	Circulate	Class C/H+Ret.

**Oxy USA Inc. – SUNDRY**  
**Now I Won 25\_24 Fed Com 31H, 32H, 33H, 34H, 35H, 36H 37H, 74H**

This is a bulk sundry request for x8 wells in Eddy County, Section 25 T22S R31E. The wells related to this sundry request are:

APD #	Well Name
10400092538	Now I Won 25_24 Fed Com 31H
10400092531	Now I Won 25_24 Fed Com 32H
10400092507	Now I Won 25_24 Fed Com 33H
10400092517	Now I Won 25_24 Fed Com 34H
10400092506	Now I Won 25_24 Fed Com 35H
10400092516	Now I Won 25_24 Fed Com 36H
10400092528	Now I Won 25_24 Fed Com 37H
10400092670	Now I Won 25_24 Fed Com 74H

**1. Summary of Changes**

- Updated production tail from 13.2 ppg Class H/Poz slurry to a 13.3 ppg Class C/Poz slurry.

**Original Plan as Permitted:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	791	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	591	1.65	13.2	5%	6,964	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	1074	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	869	1.38	13.2	25%	10,790	Circulate	Class H+Ret., Disper., Salt

**Plan Sundried for Casing Design:**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	983	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	583	1.65	13.2	5%	6,964	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	1249	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	870	1.38	13.2	25%	10,729	Circulate	Class H+Ret., Disper., Salt

**Proposed Revised Plan – Changes Highlighted:**

**Oxy USA Inc. – SUNDRY**  
**Now I Won 25\_24 Fed Com 31H, 32H, 33H, 34H, 35H, 36H 37H, 74H**

**3. Cementing Program**

Section	Stage	Slurry:	Sacks	Yield (ft <sup>3</sup> /ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	983	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	583	1.65	13.2	5%	6,964	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	1249	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	637	1.84	13.3	25%	11,029	Circulate	Class C/H+Ret.

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**District IV**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 338044

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 338044
	Action Type: [C-103] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
pkautz	PREVIOUS COA'S APPLY	5/28/2024