

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
ARKENSTONE 31	172H	3001547318	NMNM0546732A	NMNM0546732A	OXY USA
ARKENSTONE 31	174H	3001547332	NMNM0546732A	NMNM0546732A	OXY USA
ARKENSTONE 31	171H	3001546371	NMNM0546732A	NMNM0546732A	OXY USA

Notice of Intent

Sundry ID: 2692770

Type of Submission: Notice of Intent

Date Sundry Submitted: 09/15/2022

Date proposed operation will begin: 09/14/2022

Type of Action: APD Change

Time Sundry Submitted: 12:21

Procedure Description: OXY USA Inc. respectfully requests approval to amend the subject well AAPD. The drilling rig ran 29.7# HC-L80 7-5/8" casing on the 171H and 172H. See the attached email notification and explanation for reference.

NOI Attachments

Procedure Description

Arkenstone171H172H_CasingweightSR_20220915122111.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: OCT 18, 2022 12:54 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 Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Accepted

Disposition Date: 01/12/2023

Signature: Keith Immatty

Reeves, Leslie T

From: Immatty, Keith P <kimmatty@blm.gov>
Sent: Wednesday, September 14, 2022 11:18 AM
To: Collins, Calen R
Cc: Reeves, Leslie T; Threadgill, Kevin T; Granier, Garrett E
Subject: RE: [EXTERNAL] Arkenstone 172H and 171H - Sundry needed

Follow Up Flag: Follow up
Flag Status: Flagged

WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.

That'll work. I'll keep an eye out for the sundries coming in. Thanks.

From: Collins, Calen R <Calen_Collins@oxy.com>
Sent: Wednesday, September 14, 2022 9:46 AM
To: Immatty, Keith P <kimmatty@blm.gov>
Cc: Reeves, Leslie T <Leslie_Reeves@oxy.com>; Threadgill, Kevin T <Kevin_Threadgill@oxy.com>; Granier, Garrett E <Garrett_Granier@oxy.com>
Subject: [EXTERNAL] Arkenstone 172H and 171H - Sundry needed

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

Good morning,

As discussed, we will need to submit a sundry for the 7-5/8" casing ran on the Arkenstone 31 Federal 171H and 172H.

The rig ran 7-5/8 29.7# HCL-80 instead of the 26.4# that was originally planned. Due to the smaller ID of the 7-5/8" 29.7# casing, we will have an annular clearance failure (<0.422") with the 5.5" Wedge 461 production casing for the 500' of planned cement overlap.

7-5/8" Wedge 425 29.7# ID: 6.875"
5-1/2" Wedge 461 coupling OD: 6.05"

So, $(6.875" - 6.05") / 2 = 0.4125"$

Arkenstone 31 Federal 172H
API: 30-015-47318

Actual string(s)

Casing String	Hole Size (in)	From (ft)	To (ft)	OD (in)	ID (in)	Coupling OD (in)	Wt. (#/ft)	Grade
Surface	17.5	0	430	13.375	12.615	14.375	54.5	J-55
Salt Intermediate	12.25	0	4,198	9.625	8.835	10.625	40	L-80 HC
Deep Int	8.75	0	10,819	7.625	6.875	7.835	29.7	L-80 HC
	8.75	10,819	10,907	7.625	6.969	7.63	26.4	L-80 HC
Production (not ran yet)	6.75	0	22,225	5.5	4.778	6.05	20.0	P-110ICY

Arkenstone 31 Federal 171H

API: 30-015-46371

Actual string(s)

Casing String	Hole Size (in)	From (ft)	To (ft)	OD (in)	ID (in)	Cpl OD (in)	Wt. (#/ft)	Grade
Surface	17.5	0	430	13.375	12.615	14.375	54.5	J-55
Salt Intermediate	12.25	0	4,204	9.625	8.835	10.625	40	L-80 HC
Deep Int	8.75	0	10,726	7.625	6.875	7.835	29.7	L-80 HC
	8.75	10,726	10,814	7.625	6.969	7.63	26.4	L-80 HC
Production (not ran yet)	6.75	0	22,133	5.5	4.778	6.05	20.0	P-110ICY

Original casing design for both wells:

Casing String	Hole Size (in)	OD (in)	ID (in)	Cpl OD (in)	Wt. (#/ft)	Grade	Conn
Surface	17.5	13.375	12.615	14.375	54.5	J-55	BTC
Salt Intermediate	12.25	9.625	8.835	10.625	40	L-80 HC	BTC
Deep Int	8.75	7.625	6.875	7.835	26.4	L-80 HC	Wedge 425
Production (not ran yet)	6.75	5.5	4.778	6.05	20.0	P-110ICY	W 461

Regards,

Calen Collins

Drilling Engineer - Delaware Basin
Occidental Oil and Gas Corporation
Office: 713.985.6902

Reeves, Leslie T

From: Al Adawi, Samaa Saif Salim
Sent: Wednesday, September 14, 2022 11:02 AM
To: Reeves, Leslie T; McDonald, Rosstin J
Subject: Arkenstone 174H Casing Sundry

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Leslie,

We need to submit a sundry to change the deep intermediate casing string on the Arkenstone 31 Federal 174H (API #: 30-015-47332).

Here is the new casing design:

		MD		TVD					
Section	Hole Size (in)	From (ft)	To (ft)	From (ft)	To (ft)	Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
Surface	17.5	0	430	0	430	13.375	54.5	J-55	BTC
Salt	12.25	0	4159	0	4159	9.625	40	L-80 HC	BTC
Intermediate	8.75	0	11062	0	10976	7.625	26.4	L-80 HC	Wedge 425
Production	6.75	0	22371	0	11687	5.5	20	P-110	Wedge 461

The permitted/approved design had 26.4 ppf and 29.7 ppf mixed string for deep intermediate. New design is only 26.4 ppf.

Please let me know if you need any more info.

Thanks!

Samaa Al Adawi

Drilling Engineer – PR Delaware
 Occidental Oil and Gas Corporation
 Email: Samaa.AlAdawi@oxy.com
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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 175524

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 175524
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	1/17/2023