Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-45923	
5. Indicate Type of Lease STATE ☑ FEE ☐	
6. State Oil & Gas Lease No.	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name AVOGATO 30-31 STATE COM
1. Type of Well: Oil Well ☑ Gas Well ☐ Other	8. Well Number 4H
2. Name of Operator OXY USA INC.	9. OGRID Number 16696
3. Address of Operator PO BOX 4294, HOUSTON, TX 77210-4294	10. Pool name or Wildcat RED TANKL BONE SPRING, EAST
4. Well Location Unit Letter A : 160 feet from the NORTH line and 1120 feet from the EAST line Section 30 Township 22S Range 33E NMPM County LEA	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3669'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☑	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

OXY USA INC. respectfully requests to change the casing design in the APD. The attached drill plan includes a new casing design and cement program along with a contingency design if H2S and flow are encountered.

HOBBS OCD
OCT 15 2019
RECEIVED

Spud Date: 9/14/19 Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Leslie Reeves TITLE REGLATORY ADVISOR DATE 10/11/10

Type or print name LESLIE REEVES E-mail address: LESLIE_REEVES@OXY.COM PHONE: 713-497-2492

For State Use Only

APPROVED BY: TITLE Petroleum Engineer DATE 10/16/19

Conditions of Approval (if any):

Oxy USA Inc. - Avogato 30-31 State Com 4H

1. Casing Program

Primary:

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	Buoyant Body SF Tension	Buoyant Joint SF Tension
	From (ft)	To (ft)								
17.5	0	1047	13.375	54.5	J-55	BTC	1.125	1.2	1.4	1.4
12.25	0	6400	7.625	26.4	L-80 HC	BTC	1.125	1.2	1.4	1.4
9.875	6400	9529	7.625	26.4	L-80 HC	BTC	1.125	1.2	1.4	1.4
6.75	0	20277	5.5	20	P-110	DQX	1.125	1.2	1.4	1.4
							SF Values will meet or Exceed			

***Note:** The planned design is to drill a 12-1/4" hole to approximately 6400'. If there is H2S and flow, Oxy requests the option to set a 9-5/8" contingency string as shown in the contingency case below. If no flow/H2S is seen, the 12-1/4" hole will be continued until ROP falls (expected 6400-7800'). At this point the hole size will be switched to 9-7/8".

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	Buoyant Body SF Tension	Buoyant Joint SF Tension
	From (ft)	To (ft)								
17.5	0	1047	13.375	54.5	J-55	BTC	1.125	1.2	1.4	1.4
12.25	0	6400	9.625	40	L-80	BTC	1.125	1.2	1.4	1.4
8.5	0	9529	7.625	26.4	L-80 HC	SF (0 ft to ~ 6000 ft) FJ (~6000 ft to 9529 ft)	1.125	1.2	1.4	1.4
6.75	0	20277	5.5	20	P-110	DQX	1.125	1.2	1.4	1.4
							SF Values will meet or Exceed			

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h
*Cement volumes may be adjusted if 12-1/4" hole is drilled deeper.
*Oxy requests the option to run production casing with DQX, SF TORQ, and/or DQW TORQ connections to accommodate hole conditions or drilling operations.

2. Cementing Program

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H20 (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Surface (Tail)	1105	14.8	1.33	6.365	5:26	Class C Cement, Accelerator
Intermediate 1st Stage (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Intermediate 1st Stage (Tail)	293	13.2	1.65	8.640	11:54	Class H Cement, Retarder, Dispersant, Salt
Intermediate 2nd Stage (Tail Slurry) to be pumped as Bradenhead Squeeze from surface, down the Intermediate annulus						
Intermediate 2nd Stage (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Intermediate 2nd Stage (Tail)	2700	12.9	1.92	10.41	23:10	Class C Cement, Accelerator
Production (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Production (Tail)	825	13.2	1.38	6.686	3:39	Class H Cement, Retarder, Dispersant, Salt

Casing String	Top (ft)	Bottom (ft)	% Excess
Surface (Lead)	N/A	N/A	N/A
Surface (Tail)	0	1047	100%
Intermediate 1st Stage (Lead)	N/A	N/A	N/A
Intermediate 1st Stage (Tail)	7436	9529	5%
Intermediate 2nd Stage (Lead)	N/A	N/A	N/A
Intermediate 2nd Stage (Tail)	0	7436	10%
Production (Lead)	N/A	N/A	N/A
Production (Tail)	9029	20277	20%

Oxy USA Inc. - Avogato 30-31 State Com 4H

If 9-5/8" Contingency Casing is Set:

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H20 (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Surface (Tail)	1105	14.8	1.33	6.365	5:26	Class C Cement, Accelerator
Intermediate (Lead)	986	11	2.7	16.500	14:22	Pozzolan Cement, Retarder
Intermediate (Tail)	155	14.8	1.33	6.370	12:45	Class C Cement, Accelerator
Intermediate II 1st Stage (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Intermediate II 1st Stage (Tail)	103	13.2	1.65	8.640	11:54	Class H Cement, Retarder, Dispersant, Salt
Intermediate II 2nd Stage (Tail Slurry) to be pumped as Bradenhead Squeeze from surface, down the Intermediate annulus						
Intermediate II 2nd Stage (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Intermediate II 2nd Stage (Tail)	86	12.9	1.92	10.410	23:10	Class C Cement, Accelerator
Production (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Production (Tail)	825	13.2	1.38	6.686	3:49	Class H Cement, Retarder, Dispersant, Salt

Casing String	Top (ft)	Bottom (ft)	% Excess
Surface (Lead)	N/A	N/A	N/A
Surface (Tail)	0	1047	100%
Intermediate (Lead)	0	5900	50%
Intermediate (Tail)	5900	6400	20%
Intermediate II 1st Stage (Lead)	N/A	N/A	N/A
Intermediate II 1st Stage (Tail)	7436	9529	5%
Intermediate II 2nd Stage (Lead)	N/A	N/A	N/A
Intermediate II 2nd Stage (Tail)	5900	7436	25%
Production (Lead)	N/A	N/A	N/A
Production (Tail)	9029	20277	20%

***Note: Oxy also requests option to cement 2nd Intermediate Casing (7-5/8") with a conventional cement job rather than two stage bradenhead squeeze if formation integrity test shows adequate strength. In this case, the Tail would be a 13.2ppg from 2nd Intermediate Casing point to 500ft above shoe. Lead would be a 11.0ppg from 500ft above shoe to 500ft above previous casing shoe.**

Total estimated cuttings volume: 1864 bbls.