

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

Form C-103  
 Revised July 18, 2013

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

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.)		WELL API NO. 30-015-44509
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator OXY USA Inc.		6. State Oil & Gas Lease No. J033611
3. Address of Operator P.O. Box 50250 Midland, TX 79710		7. Lease Name or Unit Agreement Name Corral Fly 02-01 State
4. Well Location Unit Letter <u>D</u> : <u>1300</u> feet from the <u>North</u> line and <u>120</u> feet from the <u>West</u> line Section <u>2</u> Township <u>25S</u> Range <u>29E</u> NMPM County <u>Eddy</u>		8. Well Number <u>23H</u>
		9. OGRID Number 16696
		10. Pool name or Wildcat Pierce Crossing Bone Springs East
		11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>2996'</u>

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <u>Amend Drilling Plan</u> <input checked="" type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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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 amend the APD for the Corral Fly 02-01 State #23H - API No. 30-015-44509.

1. Amend the intermediate hole size, casing size/type/depth and cementing program, see attached.
2. Amend the production hole size, casing size/type/depth and cementing program, see attached.
3. Request a variance for the annular clearance around production casing coupling, see attached.

NM OIL CONSERVATION  
 ARTESIA DISTRICT  
 JAN 18 2018

Spud Date: 12/13/17

Rig Release Date:

RECEIVED

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

SIGNATURE David Stewart TITLE Sr. Regulatory Advisor DATE 1/15/18

Type or print name David Stewart E-mail address: david\_stewart@oxy.com PHONE: 432-685-5717

For State Use Only

APPROVED BY: [Signature] TITLE Staff Mgr DATE 1-18-18  
 Conditions of Approval (if any):

**OXY USA Inc. – Corral Fly 02-01 State 23H – Amended Drilling Plan**

**OXY respectfully requests approval for the following changes from the approved permit:**

- 1. Casing Program:** The casing program will be changed from a 9-5/8” intermediate string to a 7-5/8” intermediate string. Hole sizes will reduce for both intermediate and production holes from 12-1/4” and 8-1/2” to 9-7/8” and 6-3/4”. From landing point to surface the 5-1/2” production casing will change from 20# DQX to 23# JFEBEAR.

**a. Intermediate Hole**

Intermediate Section Summary										
String	Hole Size	Casing			From (ft)	To (ft)	Depth Criteria			
Intermediate	9-7/8”	7-5/8” 29.7ppf HCL-80 BTC			Wellhead	ICP’	As per COA will place DV tool at 3168ft +/- 40ft			
Intermediate Casing Characteristics										
OD (in)	Weight (ppf)	Grade	Conn	ID (in)	Cpl OD (in)	Drift (in)	Burst (psi)	Collapse (psi)	Tension (klbs)	MUT (ft-lbs)
7.625	29.7	HCL-80	BTC	6.875	8.5	6.75	6880	5780	683 body	Geometric Approach (See BTC Make-Up Procedure)

**b. Production Hole**

Production Section Summary										
String	Hole Size	Casing			From (ft)	To (ft)	Depth Criteria			
Production Casing	6-3/4”	5-1/2” 23ppf P-110 JFEBEAR			9,265ft MD	Surface	At least 100ft into the previous casing shoe			
Production Casing	6-3/4”	5-1/2” 20ppf P-110 DQX			18,988ft MD	9,265ft MD	AirLock Floation Sub will set at 9265+/- crossover jt			
Production Casing Characteristics										
OD (in)	Weight (ppf)	Grade	Conn	ID (in)	Cpl OD (in)	Drift (in)	Burst (psi)	Collapse (psi)	Tension (klbs)	MUT (ft-lbs)
5.5	23	P-110	JFEBEAR	4.670	6.135	4.545	16,510	16,980	829	Min: 19,513 Opt: 21,684 Max: 23,855
5.5	20	P-110	DQX	4.778	6.05	4.653	12,640	11,110	641	Min: 11,600 Opt: 12,900 Max: 14,100

**OXY USA Inc. – Corral Fly 02-01 State 23H – Amended Drilling Plan**

**2. Casing Clearance:**

OXY would like to request a variance for annular clearance around production tubular couplings. The clearances for the production string are as follows:

Description	ID	Coupl. OD	Clearance
JFE Bear Coupling in 7-5/8" csg	6.969	6.135	0.417
JFE Bear Coupling in OH	6.75	6.135	0.3075
DQX Coupling in 6.75	6.75	6.05	0.35

**3. Cementing Program:**

- a. Simplification of the 2<sup>nd</sup> stage from a 12.9ppg lead and 14.8ppg tail to a single 13.6ppg slurry. The proposed reduction still maintains the same percent excess on the open hole as in the initial permit.

Description	Slurry Type	Weight (ppg)	Yield	Water Req	500psi Comp. Strength (Time)	OH Excess	Planned Volume (Bbls)	Planned sx	Top of Cement (MD)
1 <sup>st</sup> Stage	Spacer	9.7					80		
	Lead	10.2	3.05	15.63	12:23	50%	~250	460	(100ft above DV tool)
	Tail	13.2	1.65	8.45	8:12	20%	~50	170	(1000ft above ICP)
	Disp.	DEWBM					~380		
2 <sup>nd</sup> Stage	Spacer	8.3					20		
	Tail	13.6	1.65	8.656	7:32	75%	~225	765	Surface
	Disp.	DEWBM					~145		

- b. Production hole slurry volumes will also decrease from the reduction in hole size.

Description	Slurry Type	Weight (ppg)	Yield	Water Req	500psi Comp. Strength (Time)	OH Excess	Planned Volume (Bbls)	Planned sx	Top of Cement (MD)
Production	Primary	13.2	1.63	1.631	15:15	15%	190	660	500ft inside of casing shoe