

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

WELL API NO. 30-015-40667
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name CEDAR CANYON 23
8. Well Number 1H
9. OGRID Number 16696
10. Pool name or Wildcat CORRAL DRAW; BONE SPRING
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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.)

1. Type of Well: Oil Well Gas Well Other

2. Name of Operator
OXY USA INC

3. Address of Operator
PO BOX 4294 HOUSTON, TX 77210

4. Well Location
 Unit Letter E : 2068 feet from the NORTH line and 483 feet from the WEST line
 Section 23 Township 24S Range 29E NMPM County EDDY

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: Amend Pool/Lease Surface Commingle <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 requests approval to amend commingle order PLC-483. Cedar Canyon 23 #001H will be added to the commingle permit. These wells are in the previously approved pool and sections. OXY USA INC requests the option to include future wells to this application that are within the previously approved sections and pools.

Spud Date: Rig Release Date:

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

SIGNATURE Kathleen Money TITLE Regulatory Engineer DATE _____
 Type or print name Kathleen Money E-mail address: Kathleen_Money@oxy.com PHONE: 713-366-5109
For State Use Only

APPROVED BY: Michael Smith TITLE Engineering Bureau DATE July 24, 2013
 Conditions of Approval (if any):

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: OXY USA INC **OGRID Number:** 16696
Well Name: CEDAR CANYON 22 1H & CEDAR CANYON 23 1H **API:** 30-015-40668 & 30-015-40667
Pool: CORRAL DRAW; BONE SPRING **Pool Code:** 96238

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

- 1) **TYPE OF APPLICATION:** Check those which apply for (A) **PLC-483**
- A. Location - Spacing Unit - Simultaneous Dedication
 NSL NSP (PROJECT AREA) NSP (PRORATION UNIT) SD
- B. Check one only for (I) or (II)
- (I) Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- (II) Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

FOR OCD ONLY	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
- A. Offset operators or lease holders
 B. Royalty, overriding royalty owners, revenue owners
 C. Application requires published notice
 D. Notification and/or concurrent approval by SLO
 E. Notification and/or concurrent approval by BLM
 F. Surface owner
 G. For all of the above, proof of notification or publication is attached, and/or,
 H. No notice required

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Kathleen Mowery
 Print or Type Name

7/23/2019
 Date

713-366-5109
 Phone Number

Kathleen Mowery
 Signature

Kathleen-Mowery@oxy.com
 e-mail Address

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OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
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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. 30-015-40667
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 type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator OXY USA INC		6. State Oil & Gas Lease No.
3. Address of Operator PO BOX 4294 HOUSTON, TX 77210		7. Lease Name or Unit Agreement Name CEDAR CANYON 23
4. Well Location Unit Letter <u>E</u> : <u>2068</u> feet from the <u>NORTH</u> line and <u>483</u> feet from the <u>WEST</u> line Section <u>23</u> Township <u>24S</u> Range <u>29E</u> NMPM County <u>EDDY</u>		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 16696
10. Pool name or Wildcat CORRAL DRAW; BONE SPRING		10. Pool name or Wildcat CORRAL DRAW; BONE SPRING

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK PLUG AND ABANDON
 TEMPORARILY ABANDON CHANGE PLANS
 PULL OR ALTER CASING MULTIPLE COMPL
 DOWNHOLE COMMINGLE
 CLOSED-LOOP SYSTEM
 OTHER: Amend Pool/Lease Surface Commingle

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ALTERING CASING
 COMMENCE DRILLING OPNS. P AND A
 CASING/CEMENT JOB
 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 requests approval to amend commingle order PLC-483. Cedar Canyon 23 #001H will be added to the commingle permit. These wells are in the previously approved pool and sections. OXY USA INC requests the option to include future wells to this application that are within the previously approved sections and pools.

Spud Date:

Rig Release Date:

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

SIGNATURE Kathleen Manery TITLE Regulatory Engineer DATE _____
 Type or print name Kathleen Manery E-mail address: Kathleen-Manery@oxy.com PHONE: 713-366-5100
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
 Conditions of Approval (if any): _____

**APPLICATION FOR POOL AND LEASE COMMINGLE, OFF-LEASE MEASUREMENT, SALES AND STORAGE
Amended commingling proposal for Cedar Canyon 23 Federal 3H Satellite**

OXY USA INC requests to amend previously approved NMOCD commingle order PLC-483. Cedar Canyon 23-1H will be permanently added to the Cedar Canyon 23-3H Satellite (LAT 32.202503, LONG -103.963914, I-22-24S-29E), and Cedar Canyon 22-1H will be permanently added to the Cedar Canyon 22 Satellite (32.20115, -103.97445, K-22-24S-29E). The wells are in the previously approved pools and sections.

CEDAR CANYON 23 FEDERAL 3H SATELLITE

Federal Lease NMNM81586 (12.5% Royalty Rate). POOL: PIERCE CROSSING; BONE SPRING E (96473)

Well Name	Date Online	API	Surface Location	Oil (BPD)	Gravity	Gas (MSCFD)	BTU/cf	Water (BPD)
Cedar Canyon 22 Fed 21H	02/2017	30-015-43642	I-22-24S-29E	93	43.9	744	1301	217
Cedar Canyon 23-24 Fed 31H	09/2017	30-015-44179	A-22-24S-29E	162	45.5	731	1332	1069
Cedar Canyon 23-24 Fed 32H	09/2017	30-015-44180	A-22-24S-29E	187	44.8	933	1301	896
Cedar Canyon 23 Fed 3H	02/2017	30-015-43290	I-22-24S-29E	135	43.5	1462	1301	325
Cedar Canyon 23 Fed 4H	01/2016	30-015-43281	H-22-24S-29E	77	42.9	682	1270	397
Cedar Canyon 23 Fed 5H	01/2016	30-015-43282	A-22-24S-29E	131	43.0	833	1301	790
Guacamole CC 24 23 Fed 11H	Est. 08/2019	30-015-45870	C-24-24S-29E	631	43.9	2727	1271	1029
Guacamole CC 24 23 Fed 12H	Est. 08/2019	30-015-45871	F-24-24S-29E	271	43.9	2603	1271	738

Federal Lease NMNM81586 (12.5% Royalty Rate). POOL: CORRAL DRAW; BONE SPRING (96238)

Well Name	Date Online	API	Surface	Oil (BPD)	Gravity	Gas	BTU/cf	Water
Cedar Canyon 23 1H	04/2013	30-015-40667	E-23-24S-29E	11		0		208

Federal CA NMNM136823 Lease (NMNM13996 & NMNM81586) (12.5% Royalty Rate)

POOL: PIERCE CROSSING; BONE SPRING E (96473)

Well Name	First Oil Production	API	Surface Location	Oil (BPD)	Gravity	Gas (MSCFD)	BTU/cf	Water (BPD)
Cedar Canyon 22 Fed Com 4H	02/2017	30-015-43708	I-22-24S-29E	70	43.9	1041	1263	143

Federal CA NMNM137568 Lease (NMNM81586, NMNM93477 & NMNM88138) (12.5% Royalty Rate)

POOL: PIERCE CROSSING; BONE SPRING E (96473)

Well Name	First Oil Production	API	Surface Location	Oil (BPD)	Gravity	Gas (MSCFD)	BTU/cf	Water (BPD)
Cedar Canyon 23 Fed Com 6H	08/2017	30-015-44095	I-22-24S-29E	198	43	1217	1270	439

CEDAR CANYON 22 SATELLITE

Federal CA NMNM136578 Lease (NMNM13996 & NMNM81586) (12.5% Royalty Rate)

POOL: CORRAL DRAW; BONE SPRING (96238)

Well Name	First Oil Production	API	Surface Location	Oil (BPD)	Gravity	Gas (MSCFD)	BTU/cf	Water (BPD)
Cedar Canyon 22 Fed Com 5H	12/2016	30-015-43758	M-22-24S-29E	95	43.9	524	1263	79
Cedar Canyon 22 1H	04/2013	30-015-40668	K-22-24S-29E	40		76		211

All wells listed above except for Cedar Canyon 22 Fed Com 5H and Cedar Canyon 22-1H flow to the inlet header at Cedar Canyon 23 Federal 3H Satellite. Production at the battery is separated and measured through a 10' X 40' three-phase separator. Oil production will flow to two storage tanks located at Cedar Canyon 22 Satellite (LAT 32.19969, LONG -103.977588, L-21-24S-29E) then sold through a LACT meter (S/N 14504365), which will serve as the oil FMP.

Gas is sent from the production and test separators to a 54"X 10' gas scrubber then sent through two check meters (S/N 171978784 and 171978779) that serve as gas FMPs for the purpose of royalty payment. Two gas meters are installed to accommodate estimated future volumes. Only one meter will be utilized until capacity is exceeded.

All water from the Cedar Canyon 23 Federal 3H Satellite is sent to the Cedar Canyon 22 Battery before being sent to the Cedar Canyon water disposal distribution system.

Cedar Canyon 22 Fed Com 5H has an individual test separator located on Cedar Canyon 22 Satellite. The tester is equipped with an oil turbine meter (S/N 390327), gas orifice meter (S/N T153234663) and water turbine meter. Cedar Canyon 22-1H also has an individual test separator located on Cedar Canyon 22 Satellite. The tester is equipped with an oil turbine meter (S/N TBD), gas orifice meter (S/N TBD) and water turbine meter. Oil production from both separators ties into Cedar Canyon 23 Federal 3H Satellite production upstream of the two storage tanks. Gas flows through each tester orifice meter, which serves as the gas FMP for the purpose of royalty payment, and is then sent to sales. Water is sent to the Cedar Canyon 22 Battery before being sent to the Cedar Canyon water disposal distribution system.

For testing purposes, the Cedar Canyon 23 Federal 3H Satellite is equipped with four 6' x 20' and one 4' x 10' permanent three-phase test separators. The facility is also equipped with three mobile 6' X 20' three-phase test separator that will be removed from location after the wells have declined to the point where the vessels are no longer needed. Each test vessel is equipped with oil turbine meters, gas orifice meters, and water turbine meters. The table below details the oil and gas meter serial numbers on the testers.

CEDAR CANYON 23-3H BATTERY TESTERS	OIL METER #	GAS METER #
Permanent 4 x 10	65987	T152328915
Permanent 6 x 20	1208824315	T170369235
Permanent 6 x 20	63005	T170369228
Permanent 6 x 20	12089268714	T170369223
Permanent 6 x 20	1209337420	T170369233
Permanent 6 x 20	390324	T153234908

Cedar Canyon 23-24 Federal 32H has been on production for 19 months and is in Range 3 of decline. Cedar Canyon 23-24 Federal 32H has its own dedicated test separator and is tested at least once per month, as specified in Hearing Order R-14299.

All other wells at the Cedar Canyon 23-3H Satellite and Cedar Canyon 22 Satellites, have also been on production for over a year and are in Range 3 of decline. The Cedar Canyon 23-3H Satellite wells share the five permanent test separators located at the satellite. Cedar Canyon 22 Fed Com 5H and Cedar Canyon 22-1H each have their own individual test separators, as described previously. All of the wells are tested at least once per month, as specified in Hearing Order R-14299.

Production is allocated to each well based on the aforementioned well tests and the amount of hours the well was operating in a given month.

All wells except for Cedar Canyon 23-24 Fed 31H, Cedar Canyon 22-1H and Cedar Canyon 23-1H are on gas lift. Each well has a gas-driven compressor located on the respective well pads and a gas lift meter at the respective well pads to measure the amount of gas used for lift operations. Each compressor uses an estimated 25 MCFPD in fuel gas, based on manufacturer's specifications. The table below details the gas lift meter numbers for each well. Volumes range from 450 MCFPD to 1000 MCFPD.

Well	Gas Lift Meter No.
Cedar Canyon 22 Fed Com 4H	14999I
Cedar Canyon 22 Fed 21H	14979I
Cedar Canyon 23 Fed 3H	14931I
Cedar Canyon 23 Fed 4H	14933I
Cedar Canyon 23 Fed 5H	14932I
Cedar Canyon 23 Fed Com 6H	14882I
Cedar Canyon 22 Fed Com 5H	14978I
Cedar Canyon 23-24 Fed 32H	14884I
Guacamole CC 24 23 Fed 11H	TBD*
Guacamole CC 24 23 Fed 12H	TBD*

Additional Application Components:

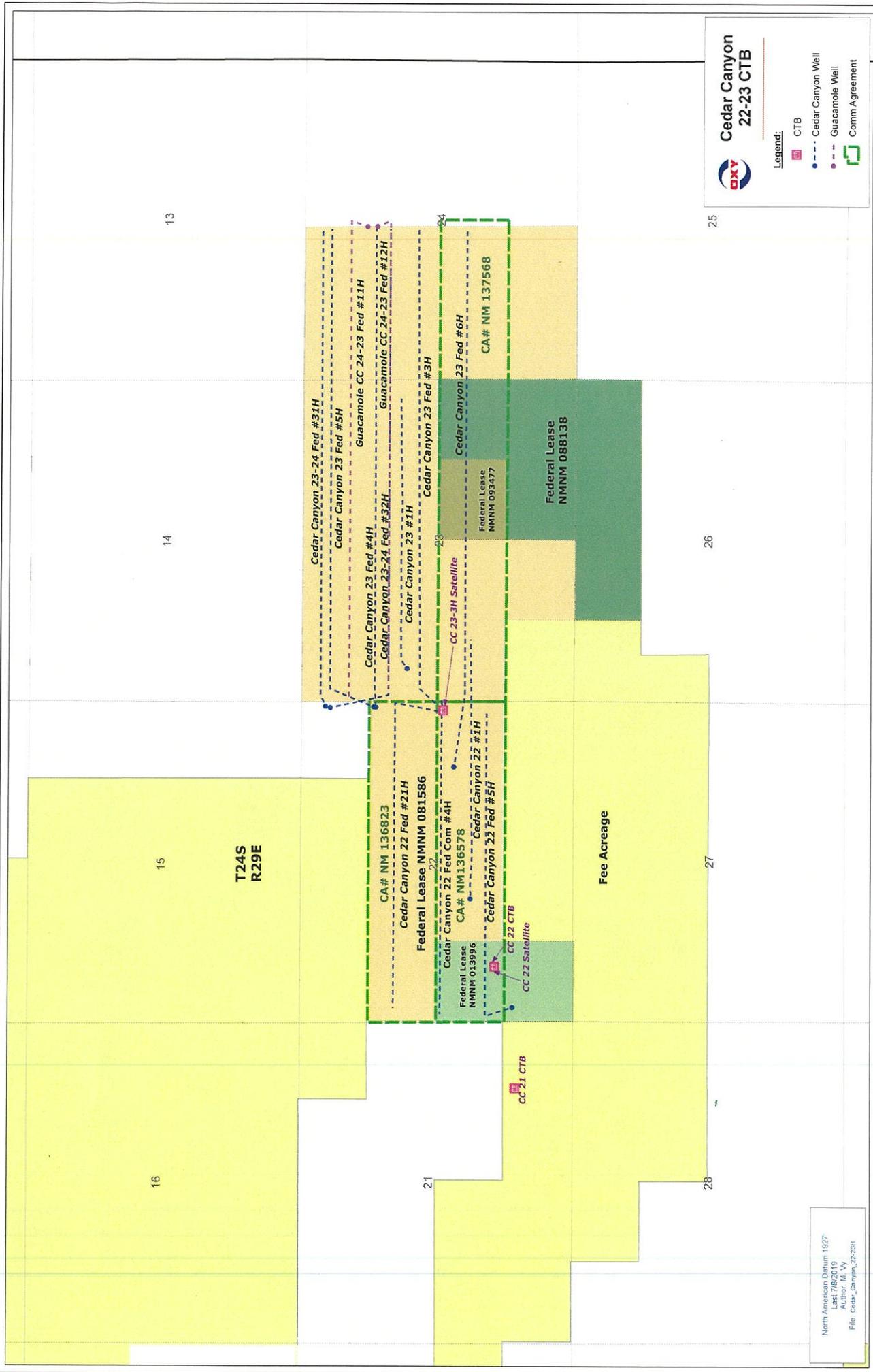
The flow of production is shown in detail on the enclosed facility diagrams. Also enclosed are maps detailing the lease boundaries, well and battery locations.

Pursuant to Statewide rule 19.15.12.10(C)(4)(g) OXY USA INC requests the option to include additional pools or leases within the defined parameters set forth in the Order for future additions.

The oil and gas meters will be calibrated on a regular basis per API, NMOCD and BLM specifications.

Commingling this production is the most effective means of producing the reserves. OXY USA INC understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument. These applications will be submitted separately for approval per NMOCD and BLM regulations.

Cedar Canyon 23-1H and Cedar Canyon 22-1H are in the previously approved leases and pools, therefore notification was not required (per Administrative Order PLC-483).



**Cedar Canyon
22-23 CTB**

Legend:

- CTB
- Cedar Canyon Well
- Guacamole Well
- Comm Agreement

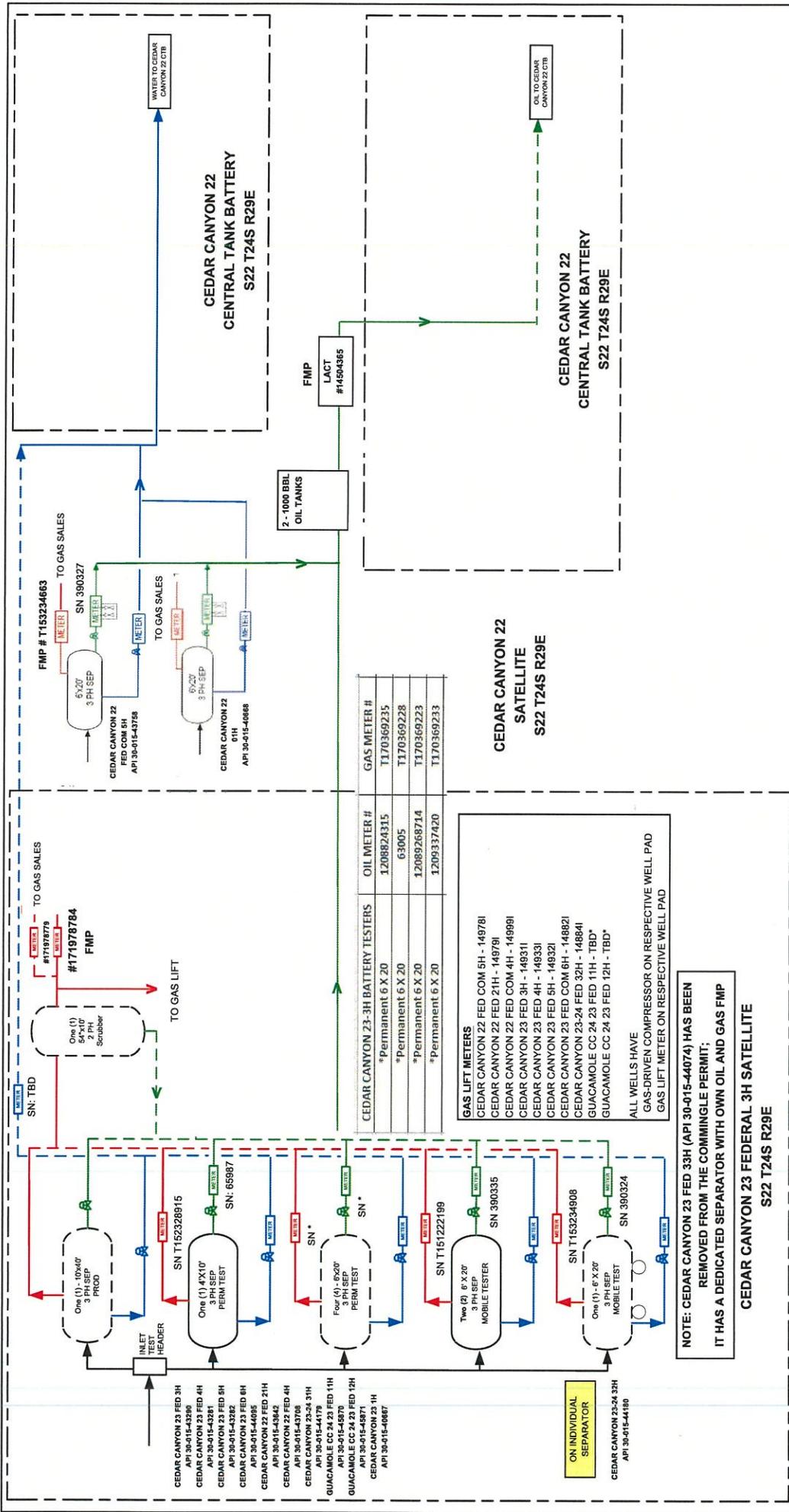
North American Datum 1927
 Last 7/6/2019
 M. V.
 File: Cedar_Canyon_22-23.mxd

13
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**T24S
R29E**

Fee Acreage

Cedar Canyon 23-24 Fed #31H
 Cedar Canyon 23 Fed #5H
 Guacamole CC 24-23 Fed #11H
 Guacamole CC 24-23 Fed #12H
 Cedar Canyon 23 Fed #4H
 Cedar Canyon 23-24 Fed #32H
 Cedar Canyon 23 #1H
 Cedar Canyon 23 Fed #3H
 Cedar Canyon 23 Fed #6H
 CA# NM 137568
 Federal Lease NMNM 093477
 Federal Lease NMNM 088138
 CC 23-3H Satellite
 CA# NM 136823
 Cedar Canyon 22 Fed #21H
 Federal Lease NMNM 081586
 Cedar Canyon 22 Fed Com #4H
 CA# NM136578
 Federal Lease NMNM 013996
 Cedar Canyon 22 #1H
 Cedar Canyon 22 Fed #5H
 CC 22 CTB
 CC 22 Satellite
 CC 21 CTB



REVISION BLOCK		ENGINEERING RECORD	
NO.	DATE	BY	DATE
0		RT	06/28/17
		CHK:	DES:
		APP:	AFE:

DESCRIPTION	BY	CHK	APP
PRODUCTION MIX			
OIL			
GAS			
WATER			
EQUIPMENT			

LEGEND

PRODUCTION MIX — Existing Equipment
 OIL — New Equipment
 GAS —
 WATER —
 EQUIPMENT —

NOTE: CEDAR CANYON 23 FED 33H (API 30-015-44074) HAS BEEN REMOVED FROM THE COMMINGLE PERMIT; IT HAS A DEDICATED SEPARATOR WITH OWN OIL AND GAS FMP

CEAR CANYON 23 FEDERAL 3H SATELLITE S22 T24S R29E

PROCESS FLOW DIAGRAM CEDAR CANYON 23-3H SAT



DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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1000 Rio Brazos Road, Aztec, NM 87410
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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Santa Fe, New M
OPERATOR: Please do not report
production under this pool id code
until OCD confirms perfs and
appropriate pool designation on
completion and C104 approvals.

AMENDED REPORT

WELL LOCATION AND ACRE

API Number 30-015-40667	Pool Code 96238	Pool Name Coral Draw Bone Spring
Property Code 39439	Property Name CEDAR CANYON 23	Well Number 1H
OGRID No. 16696	Operator Name OXY U.S.A. INC	Elevation 2953'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	23	24-S	29-E		2068	NORTH	483	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	23	24-S	29-E		1980	NORTH	660	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160	N		9/6 11742

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Project Area
Producing Area

GRID. AZ. = 88°23'23"
HORIZ. DIST. = 4153.6'

SEE DETAIL

2088'

1981'

483'

660'

2945.1'

2953.4'

2956.2'

2970.4'

600'

500'

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

David Stewart
Signature Date 6/16/12

David Stewart - Reg. Adv.
Printed Name

david_stewart@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 6, 2012

Date of Survey
Signature & Seal of Professional Surveyor:
Ronald J. Eidson

RONALD J. EIDSON
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
3239

Certificate Number: Ronald J. Eidson 12641
Professional Seal: Ronald J. Eidson 3239

AFIDSR Reg. W.D. 12.13.1054 TWSC W.O.: 12.13.1054