

RECEIVED: 2/07/209	REVIEWER: MAM	TYPE: PLC	APP NO: PMAM 19039 32431
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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: HARROUN 15-15 & MULTIPLE **API:** 30-015-33317 & MULTIPLE
Pool: PIERCE CROSSING; BONE SPRING, EAST & MULTIPLE **Pool Code:** 96473 & MULTIPLE

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

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
 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

PLS 553

- 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

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

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.

SANDRA MUSALLAM
 Print or Type Name

Sandra Musallam
 Signature

02/06/2019
 Date

713-366-5106
 Phone Number

SANDRA_MUSALLAM@OXY.COM
 e-mail Address

McMillan, Michael, EMNRD

From: Musallam, Sandra C <Sandra_Musallam@oxy.com>
Sent: Thursday, February 7, 2019 3:29 PM
To: McMillan, Michael, EMNRD
Subject: [EXT] Harroun 15-15 Amendment (PLC 405B)
Attachments: Harroun 9_1 to 15_15 NMOCD Submittal.pdf; Harroun 15 15 Well List for NMOCD.xlsx

Hello Mike,

OXY requests approval of an amendment to PLC 405B for the surface commingle of Harroun 15-15 CTB and Harroun 9-1 CTB.

Attached are:

1). commingle application, including owner notification tracking numbers. Letters were mailed today. Owners in wells going to Harroun 15-15 CTB and Harroun 9-1 CTB were notified. Because Cedar Canyon 16-1 CTB wells and process flow does not change, those owners were not notified.

2). Spreadsheet of well names, API, Pool and Pool code
I am sending the paperwork through FedEx.

Thanks,

Sandra Musallam
Regulatory Engineer – Compliance Lead
713-366-5106 (office)
713-504-8577 (cell)

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr. Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-B
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: OXY USA INC
OPERATOR ADDRESS: P O BOX 4294 HOUSTON, TX 77210

APPLICATION TYPE:

Pool Commingling Lease Commingling Pool and Lease Commingling Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: Fee State Federal

Is this an Amendment to existing Order? Yes No If "Yes", please include the appropriate Order No. PLC-405 B____
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
 Yes No SLO wells unchanged from PLC-405B approval; BLM well not commingled due to dedicated oil and gas FMP

(A) POOL COMMINGLING
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes
SEE ATTACHED					

- (2) Are any wells producing at top allowables? Yes No
(3) Has all interest owners been notified by certified mail of the proposed commingling? Yes No.
(4) Measurement type: Metering Other (Specify) WELL TEST
(5) Will commingling decrease the value of production? Yes No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING
Please attach sheets with the following information

- (1) Pool Name and Code.
(2) Is all production from same source of supply? Yes No
(3) Has all interest owners been notified by certified mail of the proposed commingling? Yes No
(4) Measurement type: Metering Other (Specify)

(C) POOL and LEASE COMMINGLING
Please attach sheets with the following information

- (1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT
Please attached sheets with the following information

- (1) Is all production from same source of supply? Yes No
(2) Include proof of notice to all interest owners.

(E) ADDITIONAL INFORMATION (for all application types)
Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.
(3) Lease Names, Lease and Well Numbers, and API Numbers.

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

SIGNATURE: Sandra Musallam TITLE: REGULATORY ENGINEER DATE: 02/06/2019

TYPE OR PRINT NAME SANDRA MUSALLAM TELEPHONE NO.: 713-366-5106

E-MAIL ADDRESS: SANDRA_MUSALLAM@OXY.COM

APPLICATION FOR POOL AND LEASE COMMINGLE, OFF-LEASE MEASUREMENT, SALES AND STORAGE
Commingling proposal for Cedar Canyon 16-1 and Harroun 15-15 Batteries

OXY USA INC requests to amend previously approved NMOCDC commingle order PLC-405B. Wells from Harroun 9-1 Battery will no longer be separated and measured at the battery. They will be sent to Harroun 15-15 Battery for separation and sales. Production will be allocated to each well based on well test. Wells at Harroun 15-15 and Harroun 9-1 Batteries were previously commingled under PLC-405A.

Process flow at Cedar Canyon 16-1 Battery does not change.

Harroun 15-15 Battery

Wells to be added; previously went to Harroun 9-1 Battery:

Well	API	Surface Location	Date Online	BOPD	MSCFD	BWPD
POOL: PIERCE CROSSING; BONE SPRING, EAST (96473)						
Cedar Canyon 15 #4H	30-015-41291	E-15-24S-29E	Aug-2013	25	109	129
Harroun 9 #1	30-015-34997	P-09-24S-29E	Jan-2008	11	22	6
Harroun 9 #3H*	30-015-41488	P-09-24S-29E	Feb-2014	0	0	0

*Back online Dec 2018 – 95 BOPD X 314 MCFPD X 250 BWPD test 1/9/2019

Existing Wells:

Well	API	Surface Location	Date Online	BOPD	MSCFD	BWPD
POOL: CEDAR CANYON; DELAWARE (11540)						
Harroun 10 #1	30-015-30375	N-10-24S-29E	Jul-2004	7	76	106
Harroun 10 #2	30-015-31709	M-10-24S-29E	Jul-2004	2	4	20
Harroun 10 #3	30-015-32617	L-10-24S-29E	Aug-2004	11	29	71
Harroun 15 #7	30-015-29987	C-15-24S-29E	Jul-2004	4	7	47
Harroun 15 #8	30-015-30253	F-15-24S-29E	Jul-2004	5	156	116
Harroun 15 #14	30-015-32620	D-15-24S-29E	Jun-2005	5	6	43
POOL: CORRAL DRAW; BONE SPRING (96238)						
Cedar Canyon 17 Fee #1H	30-015-42058	A-17-24S-29E	Aug-2014	38	121	91
POOL: PIERCE CROSSING; BONE SPRING, EAST (96473)						
Harroun 15 #15	30-015-33317	E-15-24S-29E	Oct-2004	1	12	2
Harroun 15 #16A	30-015-33823	L-15-24S-29E	May-2005	4	41	28
Harroun 15 #17	30-015-33822	M-15-24S-29E	Jan-2008	16	117	36
Cedar Canyon 15 #2H	30-015-41032	M-15-24S-29E	Aug-2013	17	63	77
Cedar Canyon 15 #3H	30-015-41594	L-15-24S-29E	Sep-2014	59	388	207
Cedar Canyon 22 #2H	30-015-41327	D-22-24S-29E	Aug-2013	49	120	107
POOL: PIERCE CROSSING; BONE SPRING, EAST (96473) - CA NMNM134544 (NMNM88137)						
Cedar Canyon 15 Fed Com 5H	30-015-42421	D-15-24S-29E	Jan-2015	57	92	279

Production is previous 6-month average

Production from Cedar Canyon 15 Fed Com 5H is separated and measured at the well site. Cedar Canyon 15 Fed Com 5H production is separated and measured through a 6' X 20' three-phase separator. The separator has an oil turbine meter (S/N 74335), a gas orifice meter (S/N T131110568) and a water turbine meter (S/N 35667). Oil production will then flow to a storage tank before being pumped through a Coriolis meter (S/N 14351664, FMP) then sent to Harroun 15-15 battery oil storage tanks. Gas is sent to sales after being measured through the separator orifice meter (FMP). Water is sent to either Cedar Canyon 15-15H or the Cedar Canyon Water Disposal Distribution system.

Production at the Harroun 15-15 battery is separated and measured through a 6' X 20' three-phase separator. Oil production will then flow through a heater treater before being sent to five storage tanks. From the storage tanks, oil will be pumped through a LACT meter (located at E-15-24S-29E) then sent to sales. Cedar Canyon 22-2H has a dedicated 4' X 10' three-phase separator.

It is equipped with an oil turbine meter (S/N 69238), a gas orifice meter (S/N T150718024) and a water turbine meter (S/N 69679). Oil from Cedar Canyon 22-2H is combined with production from the other wells upstream of the heater treater.

For testing purposes, Harroun 15-15 battery is equipped with a 4' x 10' three-phase test separator. The test vessel has an oil turbine meter (S/N 390889), a gas orifice meter (S/N T130304636) and a water turbine meter (S/N 390896).

All Bone Spring and Wolfcamp wells been on production for over three years and are in Range 3 of decline. The wells can be reasonably expected to have a decline rate of less than 5 percent, as specified in Hearing Order R-14299. All Delaware wells have also been on production for over three years and have an established decline. Therefore, wells will be tested at least once per month.

Gas will be sent from the production and test separators through a check meter (S/N T140458659) before being sent to either sales or gas lift compression for Cedar Canyon 15-3 and Cedar Canyon 17-1.

All water from the Harroun 9-1 battery will be sent to the Cedar Canyon Water Disposal Distribution system, where it will flow to the nearest SWD which has capacity to accept water.

**Cedar Canyon 16-1 Battery:
Process flow remains unchanged from PLC-405B**

Well	API	Surface Location	Date Online
POOL: CEDAR CANYON; DELAWARE (11540) - STATE LEASE NO. VA-0836-0001			
Cedar Canyon 16 State #11H	30-015-42062	C-16-T24S-R29E	Apr-2015
POOL: PIERCE CROSSING; BONE SPRING, EAST (96473) - STATE LEASE NO. VA-0836-0001			
Cedar Canyon 16 State #1H	30-015-39856	D-16-T24S-R29E	Sep-2012
Cedar Canyon 16 State #2H	30-015-41024	P-16-T24S-R29E	Jun-2013
Cedar Canyon 16 State #6H	30-015-41595	L-15-T24S-R29E	Sep-2014
Cedar Canyon 16 State #7H	30-015-41251	E-15-T24S-R29E	Aug-2013
Cedar Canyon 16 State #8H	30-015-41596	A-16-T24S-R29E	Oct-2014
Cedar Canyon 16 State #9H	30-015-42061	D-16-T24S-R29E	Sep-2015
Cedar Canyon 16 State #10H	30-015-42055	C-16-T24S-R29E	Dec-2014
Cedar Canyon 16 State #12H	30-015-42683	M-15-T24S-R29E	Mar-2015
POOL: PURPLE SAGE; WOLFCAMP (98220) - STATE LEASE NO. VA-0836-0001			
Cedar Canyon 16 State #33H	30-015-43844	A-16-T24S-R29E	Dec-2016
Cedar Canyon 16 State #34H	30-015-43843	A-16-T24S-R29E	Dec-2016

Additional Application Components:

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

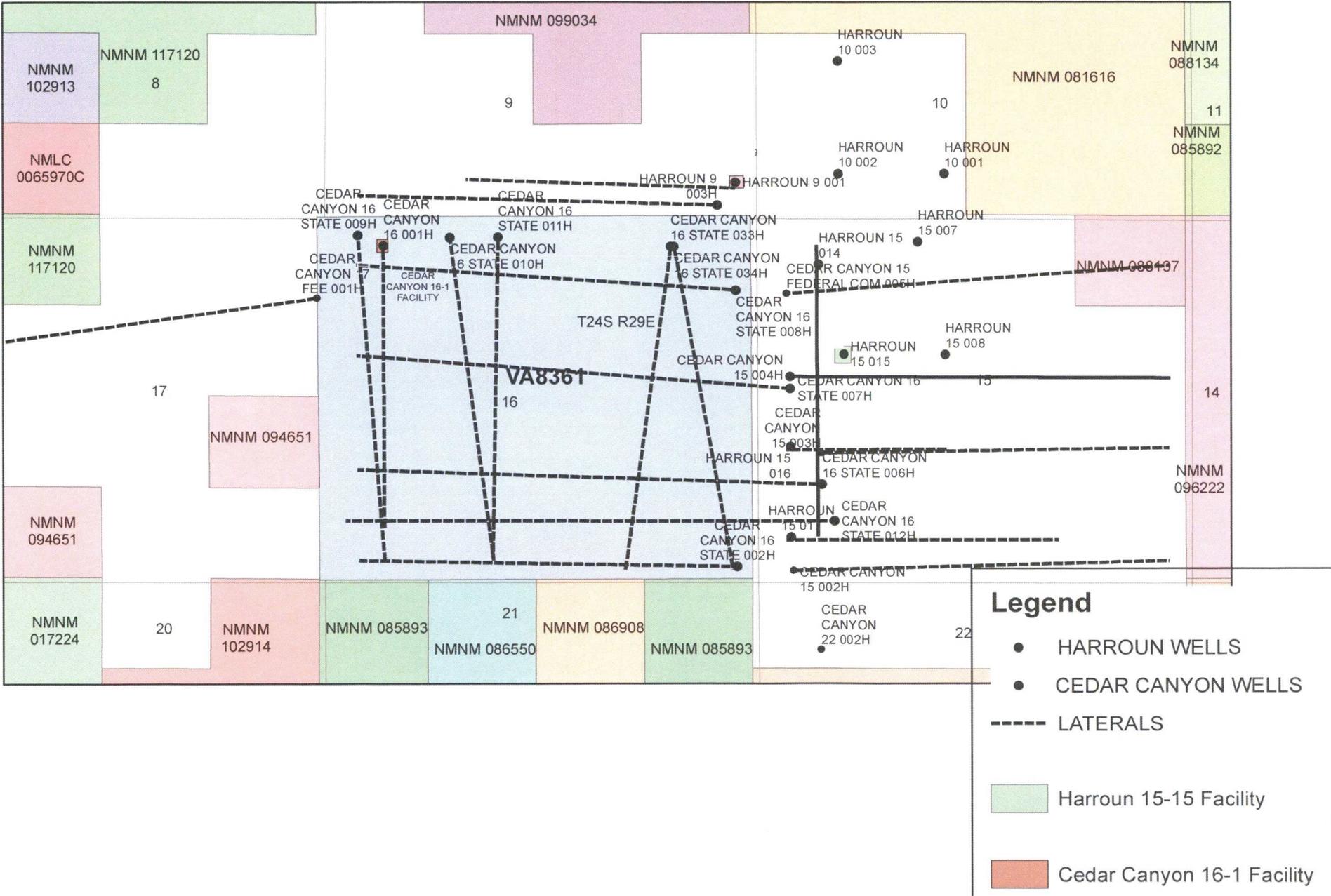
Pursuant to Statewide rule 19.15.12.10(C)(4)(g) OXY USA INC requests to maintain the option to include additional pools or leases within the defined parameters set forth in the Order for future additions.

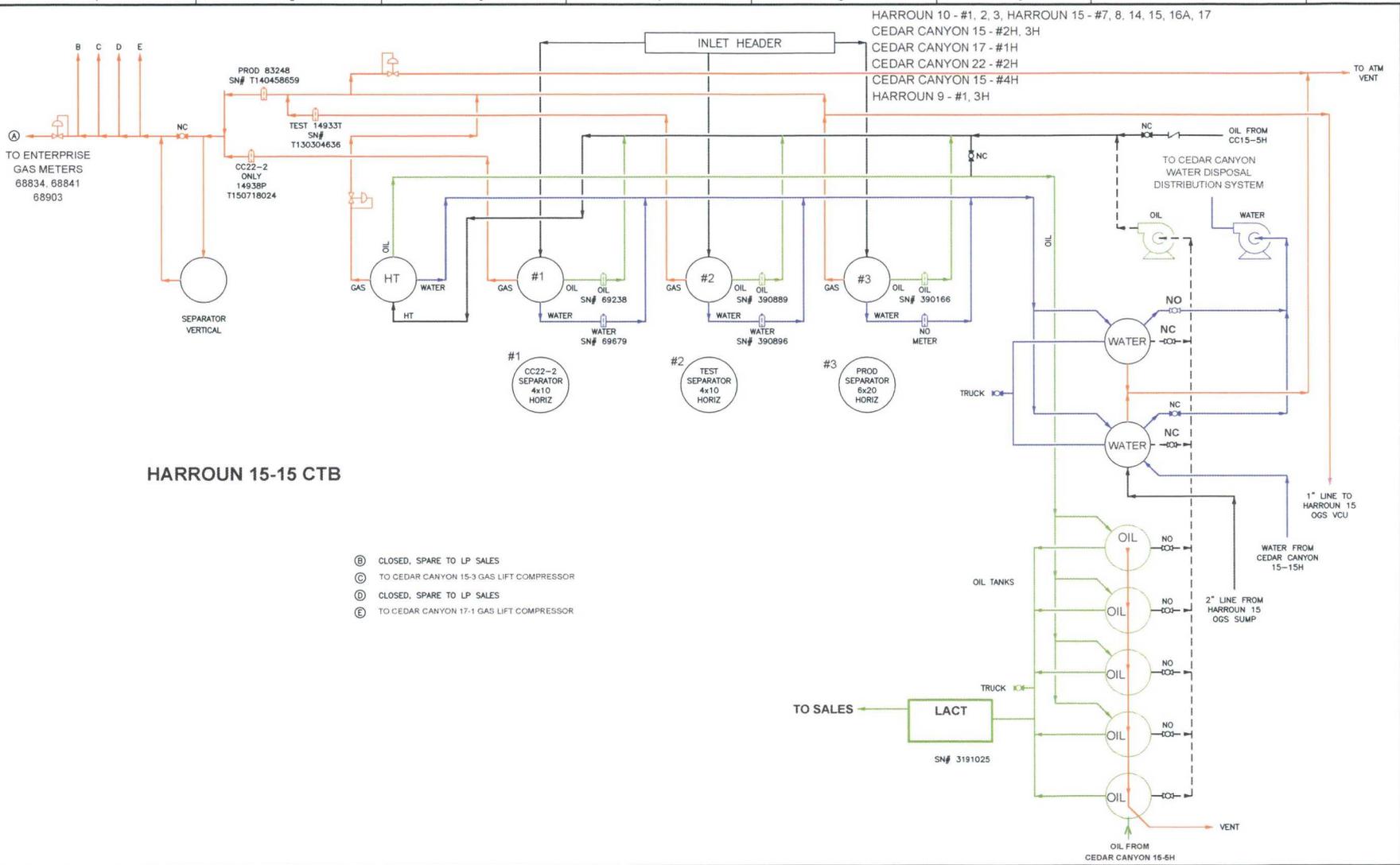
The oil and gas meters will be calibrated on a regular basis per API and NMOCD specifications.

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.

HARROUN 15-15 AND CEDAR CANYON 16-1 BATTERIES

Lease Map





- Ⓑ CLOSED, SPARE TO LP SALES
- Ⓒ TO CEDAR CANYON 15-3 GAS LIFT COMPRESSOR
- Ⓓ CLOSED, SPARE TO LP SALES
- Ⓔ TO CEDAR CANYON 17-1 GAS LIFT COMPRESSOR

NOTES

REV	DATE	DRAWN BY	CHECKED BY	DESCRIPTION	ENGRY PROJECT #	SM	PROJ. ENG. SIGNATURE	DATE	APP. BY	DESCRIPTION	PROJECT NUMBER	PROJ. ENG. OXY APPROVAL	SPEC. ENG. OXY APPROVAL
A	10/03/2017	JH	SM	ISSUED FOR REVIEW									

PROJECT DRAWING REVISION

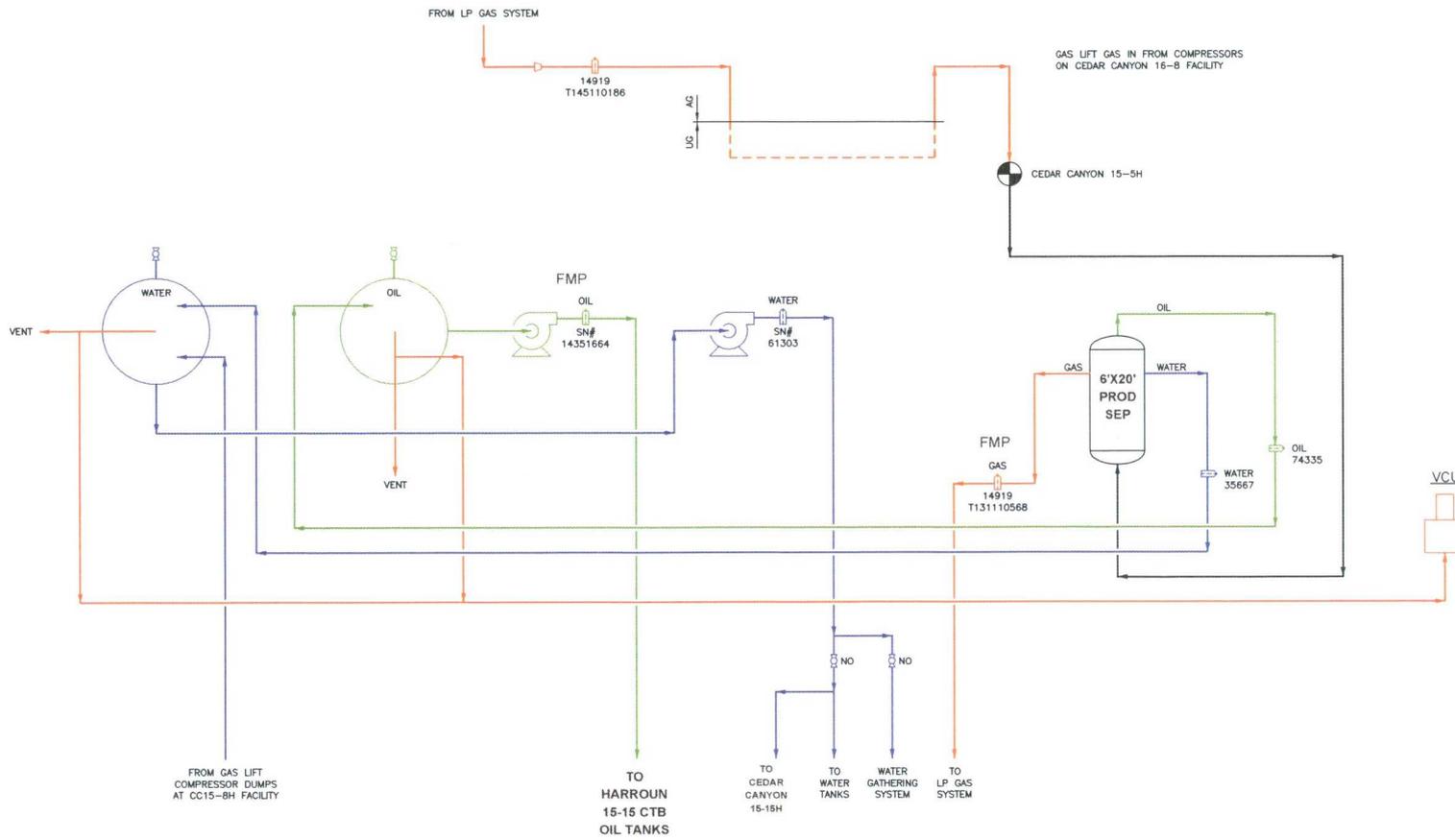
MASTER DRAWING REVISION

IN CASE OF DEVIATIONS A MARKED UP PRINT SHALL BE SENT TO THE PROJECT ENGINEER

NOTES/REFERENCE DRAWINGS

FACILITY CODE: HARROUN 15-15 CTB - V2		FACILITY TYPE: CTB	
DISC CODE: PRO		SCALE: NONE 1 2 3 4 5 6 7	
DWC ASSET: PER		Oxy USA Inc. - Permian Resources	
FACILITY CODE: HAR15-15		SHEET NUMBER: 001	
DISC CODE: PRO		SERIAL NUMBER: 001	
PROJECT NUMBER: 00001		SHEET NUMBER: 001	
DESCRIPTION: INLET HEADER		DWC REV: A	

CEDAR CANYON 15 FEDERAL COM 5H SATELLITE



NOTES

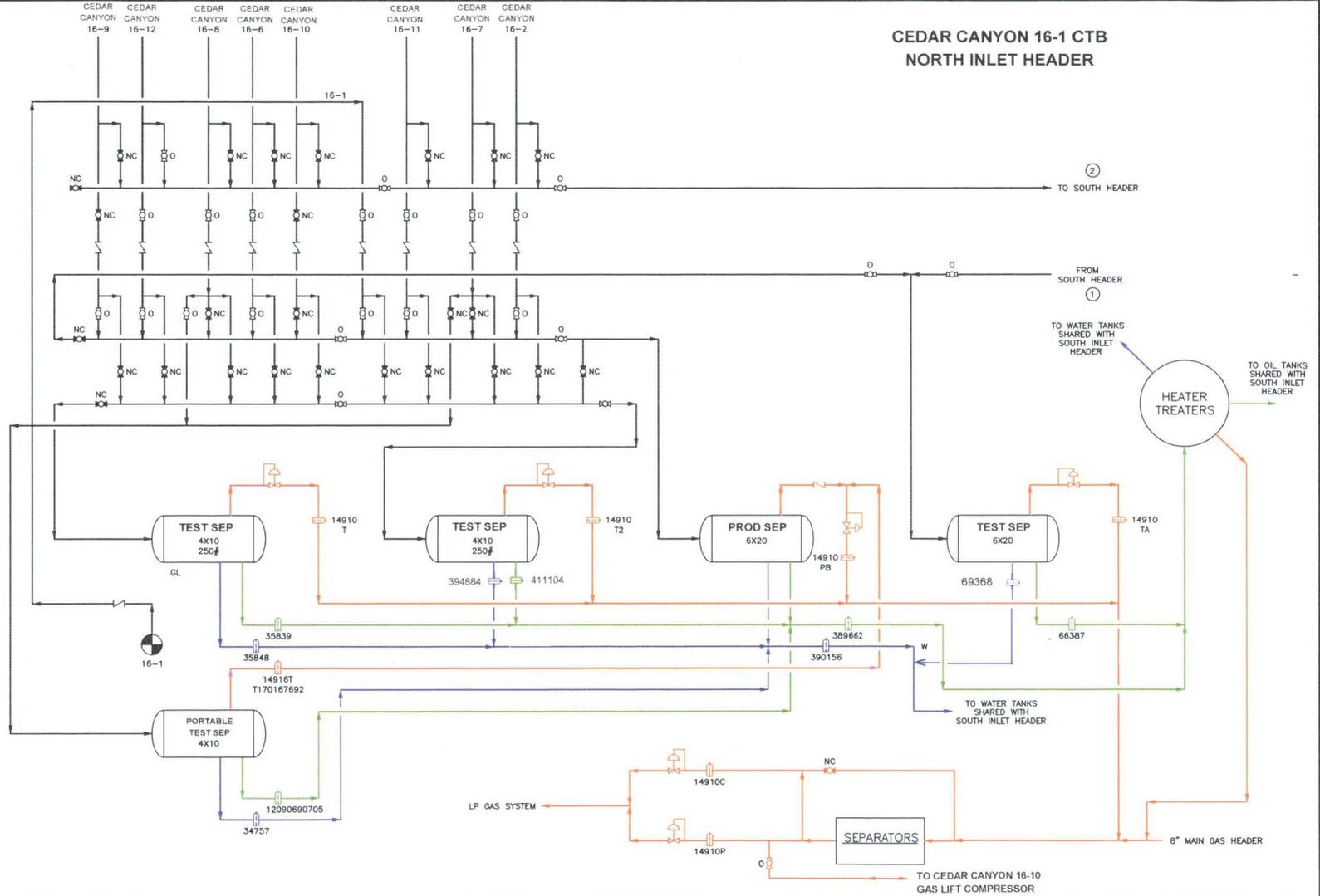
REV	DATE	DRAWN BY	CHECKED BY	DESCRIPTION	ONEKEY PROJECT #	PROJ. ENG. OXY APPROVAL	SIGNATURE	REV. DATE	APP. BY	DESCRIPTION	PROJECT NUMBER	PROJ. ENG. OXY APPROVAL	SPEC. ENG. OXY APPROVAL
B	10/03/2017	JH	TS	ISSUED FOR REVIEW									
A	09/19/2017	DB	TS	ISSUED FOR REVIEW									

PROJECT DRAWING REVISION
 IN CASE OF DEVIATIONS A MARKED UP PRINT SHALL BE SENT TO THE PROJECT ENGINEER
 NOTES/REFERENCE DRAWINGS

FACILITY CODE: CC 15-5H
 DISC CODE: PRO
 DWG TYPE: PROCESS FLOW DIAGRAM
 DESCRIPTION: GAS LIFT

SCALE: NONE		CAD DRAWING	
FACILITY TYPE: CTB		Oxy USA Inc. - Permian Resources	
DWG ASSET	FACILITY CODE	DISC CODE	SERIAL NUMBER
NO PER	CC15-5H	PRO	00001
SHEET NUMBER	001	REV	B

CEDAR CANYON 16-1 CTB NORTH INLET HEADER



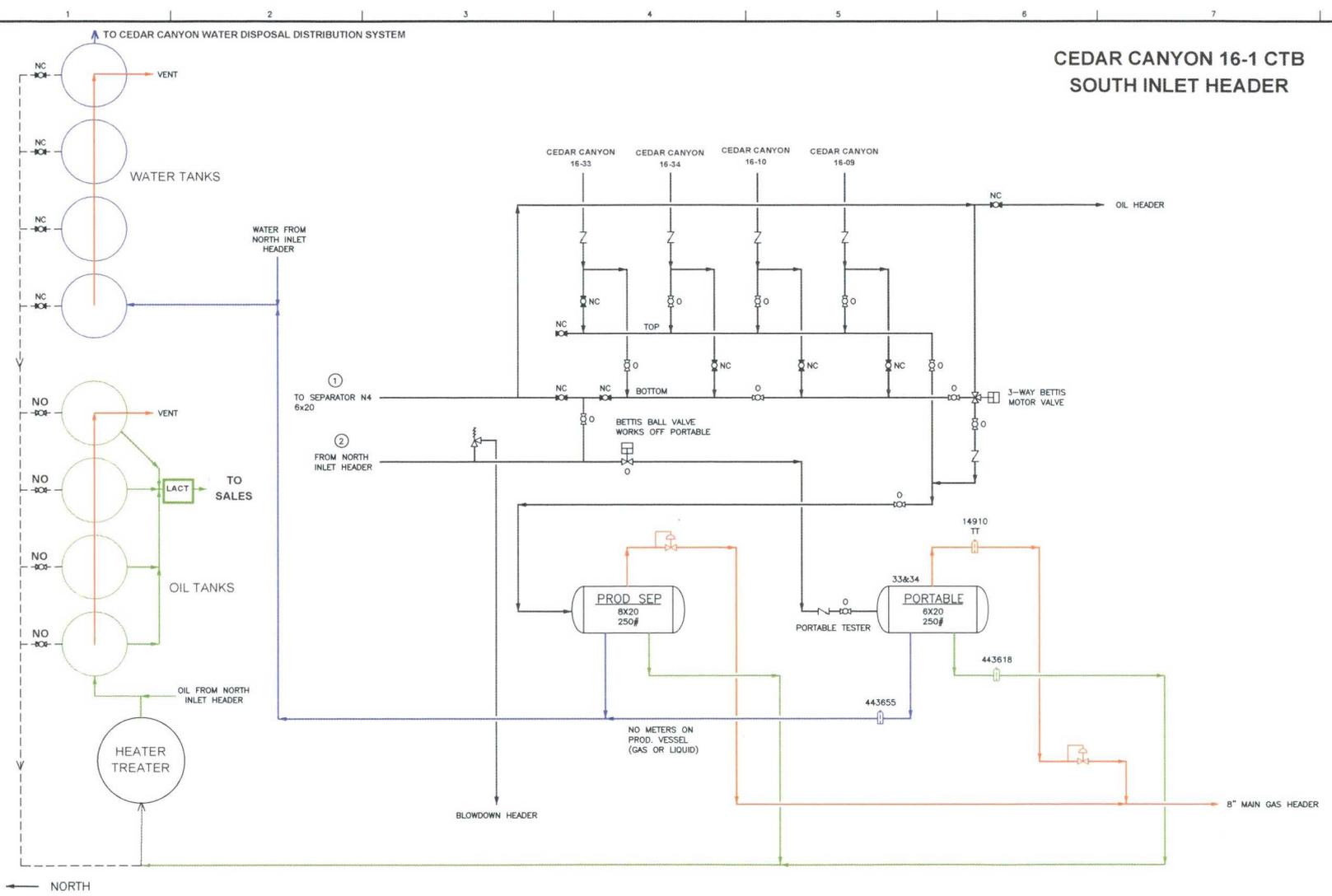
NOTES

REV	DATE	DRAWN BY	CHECKED BY	DESCRIPTION	ONEKEY PROJECT #	PROJ. ENG. SIGNATURE	DATE	APP. BY	DESCRIPTION	PROJECT NUMBER	PROJ. ENG. OXY APPROVAL	SPEC. ENG. OXY APPROVAL
B	10/25/2017	JH	TS	ISSUED FOR REVIEW	-	TS						
A	08/19/2017	DNB	TS	ISSUED FOR REVIEW	-	TS						

IN CASE OF DEVIATIONS A MARKED UP PRINT SHALL BE SENT TO THE PROJECT ENGINEER

FACILITY CODE: CEDAR CANYON 16-1 CTB		SCALE: NONE CAD DRAWING	
DISC CODE: PRO		FACILITY TYPE: CTB	
DWR TYPE: PROCESS FLOW DIAGRAM			
DESCRIPTION: NORTH INLET HEADER			
DWG ASSET NO	FACILITY CODE	DISC CODE	SHEET NUMBER
PER	CC16-1	PRO	00001 001 B

CEDAR CANYON 16-1 CTB SOUTH INLET HEADER



NOTES

REV	DATE	DRAWN BY	CHECKED BY	DESCRIPTION	ONEQY PROJECT #	PROJ. ENG. SIGNATURE	DATE	APP. BY	DESCRIPTION	PROJECT NUMBER	PROJ. ENG. OXY APPROVAL	SPEC. ENG. OXY APPROVAL
B	10/05/2017	JH	TS	ISSUED FOR REVIEW	-	TS						
A	09/19/2017	DB	TS	ISSUED FOR REVIEW	-	TS						

IN CASE OF DEVIATIONS A MARKED UP PRINT SHALL BE SENT TO THE PROJECT ENGINEER

FACILITY CODE: CC 16-1	SCALE: NONE	CAD DRAWING			
DISC CODE: PRO	FACILITY TYPE: CTB				
DWC TYPE: PROCESS FLOW DIAGRAM					
DESCRIPTION: SOUTH INLET HEADER					
DWG ASSET NO	FACILITY CODE	DISC CODE	SERIAL NUMBER	SHEET NUMBER	REV
PER	CC16-1	PRO	00001	002	B

Harroun 15-15 BATTERY

Previous 6 Month Production Data

Cedar Canyon 15 #4H (30-015-41291)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	0	3964	5223
Jul-2018	858	2979	2979
Aug-2018	954	840	1286
Sep-2018	1	85	37
Oct-2018	0	0	0
Nov-2018	45	195	45

Harroun 9 #1 (30-015-34997)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	0	2270	14
Jul-2018	19	172	18
Aug-2018	364	245	201
Sep-2018	10	0	250
Oct-2018	722	0	116
Nov-2018	147	0	77

Harroun 9 #3H (30-015-41488)*			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	0	0	0
Jul-2018	0	0	0
Aug-2018	0	0	0
Sep-2018	0	0	0
Oct-2018	0	0	0
Nov-2018	0	0	0

Cedar Canyon 17 #1H (30-015-42058)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	951	7214	3497
Jul-2018	1238	3	69
Aug-2018	843	4	3072
Sep-2018	1285	7090	3114
Oct-2018	1344	19	2377
Nov-2018	1118	7034	3939

well came back online in Dec. 2018 (oil-56 / gas-0 / water-262 / days-2)

Cedar Canyon 15 #3H (30-015-41594)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	1239	8312	4473
Jul-2018	1599	6	88
Aug-2018	1804	14420	9936
Sep-2018	2201	10554	9091
Oct-2018	2211	29547	5234
Nov-2018	1770	8117	8990

Cedar Canyon 15 #2H (30-015-41032)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	265	2238	3045
Jul-2018	342	1935	61
Aug-2018	657	1998	4206
Sep-2018	747	1778	2923
Oct-2018	513	1584	1200
Nov-2018	414	1605	2111

Cedar Canyon 22 #2H (30-015-41327)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	1839	0	6013
Jul-2018	1652	3032	104
Aug-2018	1308	5678	6039
Sep-2018	1316	3129	2674
Oct-2018	1634	4588	1696
Nov-2018	1299	5622	2991

Harroun 10 #1 (30-015-30375)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	184	1134	4151
Jul-2018	258	5551	1666
Aug-2018	266	2103	5819
Sep-2018	223	957	3718
Oct-2018	203	2477	1057
Nov-2018	110	579	1474

Harroun 15-15 BATTERY

Previous 6 Month Production Data

Harroun 10 #2 (30-015-31709)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	16	108	125
Jul-2018	22	380	53
Aug-2018	63	101	1230
Sep-2018	94	40	1472
Oct-2018	83	99	170
Nov-2018	51	30	424

Harroun 10 #3 (30-015-32617)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	183	513	1873
Jul-2018	309	1975	1110
Aug-2018	345	702	4017
Sep-2018	472	359	2984
Oct-2018	371	1261	897
Nov-2018	264	336	1648

Harroun 15 #7 (30-015-29987)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	125	236	2206
Jul-2018	117	626	711
Aug-2018	102	164	2366
Sep-2018	73	36	1626
Oct-2018	102	137	474
Nov-2018	92	38	725

Harroun 15 #8 (30-015-30253)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	138	3656	5386
Jul-2018	149	13269	1969
Aug-2018	149	3395	5460
Sep-2018	122	1153	3243
Oct-2018	174	3602	1287
Nov-2018	148	1114	2205

Cedar Canyon 15 Fed Com 5H (30-015-42421)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	3229	4246	7457
Jul-2018	2322	3323	4713
Aug-2018	1273	2185	10061
Sep-2018	1093	2532	11400
Oct-2018	1226	3758	7605
Nov-2018	812	0	7615

Harroun 15 #14 (30-015-32620)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	53	93	770
Jul-2018	153	622	415
Aug-2018	188	74	2999
Sep-2018	187	44	2122
Oct-2018	136	203	605
Nov-2018	115	53	922

Harroun 15 #15 (30-015-33317)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	23	406	94
Jul-2018	34	1381	47
Aug-2018	28	255	85
Sep-2018	31	74	73
Oct-2018	37	64	49
Nov-2018	51	23	90

Harroun 15 #16A (30-015-33823)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	94	888	706
Jul-2018	207	3488	417
Aug-2018	53	1493	1725
Sep-2018	109	532	1351
Oct-2018	163	867	362
Nov-2018	144	184	553

Harroun 15 #17 (30-015-33822)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Jun-2018	141	1420	843
Jul-2018	234	8440	591
Aug-2018	538	4393	1201
Sep-2018	654	1412	1399
Oct-2018	622	3445	1148
Nov-2018	527	834	944



**OXY USA WTP Limited Partnership / OXY
USA INC / OCCIDENTAL PERMIAN LTD**

A subsidiary of Occidental Petroleum Corporation

5 Greenway Plaza, Suite 110, Houston, Texas 77046
P.O. Box 4294, Houston, Texas 77210-4294
Direct: 713.366.5106
Sandra_Musallam@oxy.com

February 7, 2019

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: Application for Pool and Lease Commingling and Off-lease Measurement, Sales, & Storage for the Cedar Canyon 16-1, Harroun 9-1 and Harroun 15-15 Batteries in Eddy County, New Mexico.

Dear Interest Owner:

This is to advise you that OXY USA INC is filing an amendment to Order PLC-405B for surface commingling at the Cedar Canyon 16-1, Harroun 9-1 and Harroun 15-15 Batteries. A copy of the application submitted to the Division is attached.

Any objections or requests for a hearing regarding this application must be submitted to the New Mexico Oil Conservation Division Santa Fe Office within 20 Days from the date of this letter.

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.

For questions regarding this application, please contact Sandra Musallam at (713) 366-5106.

Respectfully,

OXY USA INC

Sandra Musallam

Regulatory Engineer – Compliance Lead

Sandra_Musallam@oxy.com

OWNER_NAME_1	ADDRESS_1	CITY_1	STATE_1	ZIP_1	TRACKING NUMBERS
ANDERSON AND,CURTIS A	9314 CHERRY BROOK LANE	FRISCO	TX	75033	7018 1830 0000 8832 7189
ANDREW AND JANET VOGT TRUST	13404 PIEDRA GRANDE PLACE NE	ALBUQUERQUE	NM	87111	7018 1830 0000 8832 7196
BARWIS,PAUL R	P O BOX 230	MIDLAND	TX	79702	7018 1830 0000 8832 7202
BEN J FORTSON III CHILDRENS TRUST	P O BOX 29	FORT WORTH	TX	76101	7018 1830 0000 8832 7219
BERYL OIL AND GAS LP	P O BOX 51440	MIDLAND	TX	79710	7018 1830 0000 8832 7226
BOYT,ERIC D	P O BOX 2602	MIDLAND	TX	79702	7018 1830 0000 8832 7233
BURTON,WILLIAM K	306 WEST 7TH STREET SUITE 901	FORT WORTH	TX	76102	7018 1830 0000 8832 7240
CCB 1998 TRUST	306 WEST 7TH STREET SUITE 901	FORT WORTH	TX	76102	7018 1830 0000 8832 7257
CHISOS MINERALS LLC	1111 BAGBY STREET SUITE 2150	HOUSTON	TX	77002	7018 1830 0000 8832 7080
CORNERSTONE FAMILY TRUST	P O BOX 558	PEYTON	CO	80831	7018 1830 0000 8832 7097
D STUART HARROUN REV TRUST	515 TRES LAGUNAS LANE NE	ALBUQUERQUE	NM	87113	7018 1830 0000 8832 7103
DCB 1998 TRUST	306 WEST 7TH STREET SUITE 901	FORT WORTH	TX	76102	7018 1830 0000 8832 7110
DEVON ENERGY PRODUCTION CO LP	P O BOX 843559	DALLAS	TX	75284	7018 1830 0000 8832 7127
DOROTHY S HARROUN IRREV TRUST	P O BOX 3480	OMAHA	NE	68103	7018 1830 0000 8832 7134
DRW ENERGY LLC	400 W ILLINOIS SUITE 970	MIDLAND	TX	79701	7018 1830 0000 8832 7141
GD MCKINNEY INVESTMENTS LP	300 N MARIENFELD SUITE 1100	MIDLAND	TX	79701	7018 1830 0000 8832 7158
GRABLE,ROBERT C	201 MAIN STREET	FORT WORTH	TX	76102	7018 1830 0000 8832 7165
HANTTULA,JUDITH GENE	3996 MARBLE HILL RD	FRISCO	TX	75034	7018 1830 0000 8832 7172
J M MINERAL & LAND CO INC	P O BOX 1015	MIDLAND	TX	79702	7018 1830 0000 8832 6984
JAREED PARTNERS LTD	P O BOX 51451	MIDLAND	TX	79710	7018 1830 0000 8832 6991
KEENE,TARA L	18700 COLLINS STREET	TARZANA	CA	91356	7018 1830 0000 8832 7004
KIMBELL ART FOUNDATION	301 COMMERCE ST SUITE 2300	FORT WORTH	TX	76102	7018 1830 0000 8832 7011
KIMBELL ROYALTY HOLDINGS LLC	777 TAYLOR ST STE 810	FORT WORTH	TX	76102	7018 1830 0000 8832 7028
KINGDOM INVESTMENTS LIMITED	2101 CEDAR SPRINGS RD SUITE 600	DALLAS	TX	75201	7018 1830 0000 8832 7035
LEOPARD PETROLEUM LP	4200 FAIRWOOD PL	MIDLAND	TX	79707	7018 1830 0000 8832 7042
LOWE ROYALTY PARTNERS LP	P O BOX 4887	HOUSTON	TX	77210	7018 1830 0000 8832 7059
MAGNOLIA ROYALTY COMPANY INC	P O BOX 10703	MIDLAND	TX	79702	7018 1830 0000 8832 7066
MAP00-NET TX GENERAL PARTNERSHIP	P.O. BOX 268946	OKLAHOMA CITY	OK	73126	7018 1830 0000 8832 7073
MOBIL PRODUCING TEXAS &	4500 DACOMA ST. CORP-BH3-212	HOUSTON	TX	77092	7018 1830 0000 8832 6885
MWB 1998 TRUST	306 WEST 7TH STREET SUITE 901	FORT WORTH	TX	76102	7018 1830 0000 8832 6892
NEAL,JEFFREY CASWELL	1311 DOEPP DRIVE	CARLSBAD	NM	88220	7018 1830 0000 8832 6908
NELMS,PIPER L	18706 COLLIN ST	TARZANA	CA	91356	7018 1830 0000 8832 6915
OXY USA INC	P O BOX 27570	HOUSTON	TX	77227	
OXY USA WTP LP	P O BOX 27570	HOUSTON	TX	77227	
PENROC OIL CORPORATION	P O BOX 2769	HOBBS	NM	88241	7018 1830 0000 8832 6922
RAVE ENERGY INC	P O BOX 3087	HOUSTON	TX	77253	7018 1830 0000 8832 6939
RAVE ENERGY, INC. DBA GEP III	PO BOX 3087	HOUSTON	TX	77253	7018 1830 0000 8832 6946
REED,B JACK	506 CHARISMATIC	MIDLAND	TX	79705	7018 1830 0000 8832 6953
ROACH FOUNDATION INC	777 TAYLOR ST PII-J	FORT WORTH	TX	76102	7018 1830 0000 8832 6960
ROBRO ROYALTY PARTNERS LTD	P O BOX 671028	DALLAS	TX	75367	7018 1830 0000 8832 6977

MAILING DATE

02.06.2019

RUSK CAPITAL MANAGEMENT LLC	7600 W TIDWELL RD STE 800	HOUSTON	TX	77040	7018 1830 0000 8832 6663
RUTTER & WILBANKS CORPORATION	BOX 3186	MIDLAND	TX	79701	7018 1830 0000 8832 6670
SCHOENING, M'LISSA M	300 N MARIENFELD STE 1100	MIDLAND	TX	79701	7018 1830 0000 8832 6687
SOFTSEARCH INVESTMENT LP	P O BOX 89	ABILENE	TX	79604	7018 1830 0000 8832 6694
SOFTVEST MANAGEMENT LP	P O BOX 89	ABILENE	TX	79604	7018 1830 0000 8832 6700
SUNDANCE MINERALS I	P O BOX 17744	FORT WORTH	TX	76102	7018 1830 0000 8832 6830
TAUBER EXPL & PRODUCTION CO	55 WAUGH DRIVE SUITE 600	HOUSTON	TX	77007	7018 1830 0000 8832 6847
TAURUS ROYALTY LLC	P O BOX 1477	LITTLE ELM	TX	75068	7018 1830 0000 8832 6854
VAUGHT JR, GEORGE G	P O BOX 13557	DENVER	CO	80201	7018 1830 0000 8832 6861
WALKER III, HERMAN CLIFFORD	P O BOX 10135	MIDLAND	TX	79702	7018 1830 0000 8832 6878
COLLINS & WARE INC	950 THIRD AVE 23RD FLOOR	NEW YORK	NY	10022	7018 1830 0000 8832 7264
JOHN & THERESA HILLMAN FAM PROPS LP	PO BOX 50187	MIDLAND	TX	79710	7018 1830 0000 8832 7271
MANIX ROYALTY LTD	PO BOX 2818	MIDLAND	TX	79702	7018 1830 0000 8832 7288

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy Cabinet Secretary

Heather Riley, Division Director
Oil Conservation Division



June 15, 2018

ADMINISTRATIVE POOL/LEASE COMMINGLING ORDER

Administrative Order PLC-405-B

OXY USA, Inc.
Attention: Ms. Sandra Mussallam

Pursuant to your application received on May 25, 2018, OXY USA, Inc. (OGRID 16696) is hereby authorized to surface commingle oil and gas production from the following pools:

PIERCE CROSSING; BONE SPRING, EAST	(96473)
CORRAL DRAW; BONE SPRING	(96238)
PURPLE SAGE; WOLFCAMP (GAS)	(98220)
CEDAR CANYON; DELAWARE	(11540)

and from wells, and their associated leases and pools and range of decline identified in Attachment No. A and made part of this order. These wells are located on private, federal leases, and state leases in Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico.

Production from the subject wells shall be determined as follows:

It is understood that the test separator and meters are designed to accurately measure production from the wells with the highest production rate. It is also assumed that all of the oil and gas production from the wells in this application will display a hyperbolic decline, and will fit the decline parameters described in Hearing Order R-14299. Wells that are in prior to Range 1 of decline shall be tested daily. Wells that are in Range 1 of decline shall be measured with a combination of metering and well testing, and shall be tested at least three times a month. Wells that are in Range 2 of decline shall be measured with a combination of metering and well testing, and shall be tested at least twice a month. Wells in Range 3 of decline shall be measured with a combination of metering and well testing, and shall be tested at least once a month.

The Harroun 15 OGS, located in in Unit E of Section 15, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico. is the Central Delivery Point for oil production. Each surface facility is the Central Delivery Point for gas production.

Cedar Canyon 16-1 Battery

The commingled oil and gas production from the wells in Attachment A for the Cedar Canyon 16-1 Battery shall be measured at the Cedar Canyon 16-1 Central Tank Battery (Cedar Canyon 16-1 CTB) located in Unit D of Section 16, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico. All of the wells shall be measured with a combination of metering and well testing. Wells that in Range 2 decline as specified in Hearing Order R-14299 will be tested as least twice a month. Wells that are in Range 3 decline as specified in Hearing Order R-14299 will be tested as least once a month. The gas will be measured at the Cedar Canyon 16-1 CTB, which will be the Central Delivery Point for those wells. Lastly, after the oil production is measured, it will flow to the Harroun OGS where it will be sold.

Harroun 15-15 Battery

The commingled oil and gas production from the wells in Attachment A for the Harroun 15-15 Battery shall be measured and sold at the Harroun 15-15 Battery (Harroun 15-15 CTB) located in Unit E of Section 15, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico. All of the wells shall be measured with a combination of metering and well testing. All of the wells are in Range 3 decline as specified in Hearing Order R-14299, and will be tested as least once a month. The gas will be measured at the Harroun 15-15 CTB, which will be the Central Delivery Point for those wells. Lastly, after the oil production is measured, it will flow to the Harroun OGS where it will be sold.

Harroun 9-1 Battery

The commingled oil and gas production from the wells in Attachment A for the Harroun 9-1 Battery shall be measured at the Harroun 9-1 Central Tank Battery (Harroun 9-1 CTB) located in Unit P of Section 9, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico. All of the wells shall be measured with a combination of metering and well testing. All of the wells are in Range 3 decline as specified in Hearing Order R-14299, and will be tested as least once a month. The gas will be measured at the Harroun 9-1 CTB, which will be the Central Delivery Point for those wells. Lastly, after the oil production is measured, it will flow to the Harroun OGS where it will be sold.

The allocation meters shall be calibrated quarterly in accordance with Rule 19.15.12.10.C (2) NMAC.

This installation shall be installed and operated in accordance with the applicable Division Rules. It is the responsibility of the producer to notify the transporter of this commingling authority.

OXY USA, Inc. shall provide a Sundry Notice to the Engineering Bureau in Santa Fe when a test separator is removed.

This approval is subject to like approval from Bureau of Land Management and New Mexico State Land Office before commencing commingling operations.

For future additions of wells and leases to this commingling operation, notice shall only be given to those interest owners in the wells and leases to be added, in accordance with Division Rule 19.15.12.10 C (4) (g) NMAC.

OXY may add future wells that produce from these subject pools within these project areas or spacing units approved by this order to this commingling authority by submitting a Sundry Notice to the Engineering Bureau of the Division in Santa Fe.

This Order supersedes Administrative Order PLC-405-A, issued on November 1, 2017. This Order removes one of the batteries. Next, each battery is a Facility Measurement Point. Next, the addition of wells, leases, and pools to this commingling operation, notice shall only be given to those interest owners in the wells, leases or pools to be added. Lastly, future wells that produce from the subject pools within the project areas and spacing units approved by this order by supplying Sundry notice to the Engineering Bureau.

The operator shall notify the Artesia District office of the Division prior to implementation of the commingling operations.



HEATHER RILEY
Director

HR/mam

cc: Oil Conservation Division District Office – Artesia
Bureau of Land Management – Carlsbad
New Mexico State Land Office – Oil, Gas, and Minerals

Attachment A

Attachment A: Harroun Wells
CEDAR CANYON 16-1 BATTERY

Well	API	Project Area/spacing unit	Pool	Pool Code	Range of decline
Cedar Canyon 16 State #11H	30-015-42062	W/2 E/2 of Section16	CEDAR CANYON;DELAWARE	11540	3
Cedar Canyon 16 State #1H	30-015-39856	W/2 W/2 of Section16	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 16 State #2H	30-015-41024	S/2 S/2 of Section16	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 16 State #6H	30-015-41595	N/2 S/2 of Section16	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 16 State #7H	30-015-41251	S/2 N/2 of Section16	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 16 State #8H	30-015-41596	N/2 N/2 of Section16	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 16 State #9H	30-015-42061	W/2 W/2 of Section16	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 16 State #10H	30-015-42055	E/2 W/2 of Section16	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 16 State #12H	30-015-42683	S/2 S/2 of Section16	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 16 State #33H	30-015-43844	W/2 E/2 of Section16	PURPLE SAGE;WOLFCAMP (GAS)	98220	2
Cedar Canyon 16 State #34H	30-015-43843	E/2 E/2 of Section16	PURPLE SAGE;WOLFCAMP (GAS)	98220	2

HARROUN 9-1 BATTERY

Well	API	Project Area/spacing unit	Pool	Pool Code	Range of decline
Cedar Canyon 15 #4H	30-015-41291	S/2 N/2 of Section15	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Harroun 9 #1	30-015-34997	SE/4 SW/4 and S/2 SE/4 of Section 9	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Harroun 9 #3H	30-015-41488	S/2 SW/2 of Section 9	PIERCE CROSSING; BONE SPRING, EAST	96473	3

HARROUN 15-15 BATTERY

Well	API	Project Area/spacing unit	Pool	Pool Code	Range of decline
Harroun 10 #1	30-015-30375	SE/4 SW/4 of Section 10	CEDAR CANYON;DELAWARE	11540	3
Harroun 10 #2	30-015-31709	SW/4 SW/4 of Section 10	CEDAR CANYON;DELAWARE	11540	3
Harroun 10 #3	30-015-32617	NW/4 SW/4 of Section 10	CEDAR CANYON;DELAWARE	11540	3
Harroun 15 #7	30-015-29987	NE/4 NW/4 of Section 15	CEDAR CANYON;DELAWARE	11540	3
Harroun 15 #8	30-015-30253	SE/4 NW/4 of Section 15	CEDAR CANYON;DELAWARE	11540	3
Harroun 15 #14	30-015-32620	NW/4 NW/4 of Section 15	CEDAR CANYON;DELAWARE	11540	3
Cedar Canyon 17 Fee #1H	30-015-42058	S/2 N/2 of Section 17	CORRAL DRAW;BONE SPRING	96238	3
Harroun 15 #15	30-015-33317	SW/4 NW/4 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Harroun 15 #16A	30-015-33823	NW/4 SE/4 and N/2 SW/4 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Harroun 15 #17	30-015-33822	SW/4 SW/4 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 15 #2H	30-015-41032	S/2 S/2 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 15 #3H	30-015-41594	N/2 S/2 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 22 #2H	30-015-41327	E/2 E/2 of Section 22	PIERCE CROSSING; BONE SPRING, EAST	96473	3
Cedar Canyon 15 Fed Com SH	30-015-42421	E/2 E/2 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473	3