

RECEIVED: 4/05/2019	REVIEWER: MAM	TYPE: PLC	APP NO: PMAM19095 53636
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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

PLC-563

- 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

- 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

4/4/2019

Date

713-366-5106

Phone Number

Sandra Musallam

Signature

SANDRA_MUSALLAM@OXY.COM

e-mail Address

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-553____
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
 Yes No

(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: 4/4/2019

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 the Whomping Willow Battery

OXY USA INC requests to amend PLC-553 to add Refried Beans CC 15-16 State Com 12H, 13H, 14H and Whomping Willow CC 15-16 State Com 44H. Oil and gas sales points will be moved from Harroun 15-15 Battery to Whomping Willow Battery (F-15-T24S-R29E, LAT 32.135.56 N, LONG -103.5833.94W). This amended commingling permit will supersede PLC-525 for the aforementioned Refried Beans and Whomping Willow wells.

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

Wells to be added to PLC-553 are listed below:

Wells to be sent to Whomping Willow Battery once online

Well	API	Surface Location	Date Online	EST. BOPD	EST. OIL GRAVITY	EST. MSCFD	EST. BTU/CF	EST. BWPD
POOL: PIERCE CROSSING; BONE SPRING, EAST (96473)								
*Refried Beans CC 15_16 State Com 12H	30-015-45215	H-15-24S-29E	est. May 2019	632	44	2728	1300	1031
*Refried Beans CC 15_16 State Com 13H	30-015-45216	H-15-24S-29E	est. May 2019	632	44	2728	1300	1031
*Refried Beans CC 15_16 State Com 14H	30-015-45217	I-15-24S-29E	est. May 2019	632	44	2728	1300	1031
POOL: PURPLE SAGE; WOLFCAMP (GAS) (98220)								
*Whomping Willow CC 15_16 State Com 44H	30-015-45218	I-15-24S-29E	est. May 2019	488	44.4	5421	1325	1626

*Production estimates are average of first 6-month volumes for wells not online yet

Existing Wells at Harroun 15-15 Battery, to be sent to Whomping Willow Battery

Well	API	Surface Location	Date Online	BOPD	OIL GRAVITY	MSCFD	BTU/CF	BWPD
POOL: CEDAR CANYON; DELAWARE (11540)								
Harroun 10 #1	30-015-30375	N-10-24S-29E	Jul-2004	6	42.9	46	1289	87
Harroun 10 #2	30-015-31709	M-10-24S-29E	Jul-2004	3	42.9	2	1289	25
Harroun 10 #3	30-015-32617	L-10-24S-29E	Aug-2004	10	42.9	21	1289	70
Harroun 15 #7	30-015-29987	C-15-24S-29E	Jul-2004	3	42.9	3	1289	38
Harroun 15 #8	30-015-30253	F-15-24S-29E	Jul-2004	5	42.9	76	1289	103
Harroun 15 #14	30-015-32620	D-15-24S-29E	Jun-2005	5	42.9	3	1289	48
POOL: CORRAL DRAW; BONE SPRING (96238)								
Cedar Canyon 17 Fed #1H	30-015-42058	A-17-24S-29E	Aug-2014	40	42.9	204	1292	126
POOL: PIERCE CROSSING; BONE SPRING, EAST (96473)								
Harroun 15 #15	30-015-33317	E-15-24S-29E	Oct-2004	1	42.9	3	1288	3
Harroun 15 #16A	30-015-33823	L-15-24S-29E	May-2005	4	42.9	20	1307	29
Harroun 15 #17	30-015-33822	M-15-24S-29E	Jan-2008	19	42.9	70	1307	35
Cedar Canyon 15 #2H	30-015-41032	M-15-24S-29E	Aug-2013	19	43	59	1307	87
Cedar Canyon 15 #3H	30-015-41594	L-15-24S-29E	Sep-2014	63	42.9	395	1328	278
Cedar Canyon 22 #2H	30-015-41327	D-22-24S-29E	Aug-2013	49	42.9	145	1315	140
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	37	42.5	79	1294	317
POOL: PIERCE CROSSING; BONE SPRING, EAST (96473)								
Cedar Canyon 15 #4H	30-015-41291	E-15-24S-29E	Aug-2013	170	43	71	1307	749
Harroun 9 #1	30-015-34997	P-09-24S-29E	Jan-2008	9	43	2	1308	5
Harroun 9 #3H	30-015-41488	P-09-24S-29E	Feb-2014	30	43	70	1307	180

PROCESS DESCRIPTION

Production from all wells except Cedar Canyon 15 Fed Com 5H will flow to the header at Whomping Willow Battery. Initially, Refried Beans CC 15-16 State Com 12H, 13H, 14H and Whomping Willow CC 15-16 State Com 44H will each have a dedicated 6' X 20' test separator. The existing wells at Harroun 15-15 CTB will be moved to Whomping Willow Battery and share an 8' X 20' production separator and two 4' X 20' test separators. Each test separator will be equipped with an oil turbine meter, gas orifice meter and water turbine meter. After separation, oil production will be sent through an 8' X 20' heater treater. It will then flow through a 48" vapor recovery tower before flowing to five oil storage tanks. From the tanks, the oil is pumped through a LACT meter and sent to sales.

Gas production will be combined after the three-phase separators. It will then flow through two 5' X 10' gas scrubbers then sent to two Oxy check meters, which will serve as the point of royalty payment.

Oil and gas production will be allocated back to each well based on well test. Wells will be tested according to Hearing Order R-14299. Refried Beans CC 15_16 State Com 12H, 13H, 14H and Whomping Willow CC 15_16 State Com 44H will be tested daily prior to Range 1 of decline, and will be tested at least three times per month during Range 1 of decline. When Range 2 decline is started, the wells will be tested at least twice per month. Wells will be tested at least once per month when Range 3 of decline is started. All existing wells have been on production for over three years and are in Range 3 of decline. They will be tested at least once per month.

As the Whomping Willow and Refried Beans reach the later ranges of decline, they will be taken off dedicated separation and flow to the 8' X 20' production separator. A sundry will be filed when this occurs.

Production from Cedar Canyon 15 Fed Com 5H is separated and measured separated through a 6' X 20' three-phase separator located on its well site. The separator has an oil turbine meter, gas orifice meter and water turbine meter. Oil production will flow to a storage tank before being pumped through a Coriolis meter (S/N 14351664, FMP) then sent to the Whomping Willow Battery oil storage tanks. Gas is sent to sales after being measured through the separator orifice meter (FMP).

All water from the Whomping Willow Battery and Cedar Canyon 15 Fed Com 5H will be sent to the Cedar Canyon Water Disposal Distribution system.

Cedar Canyon 16-1 Battery:

Process flow remains unchanged from PLC-553

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

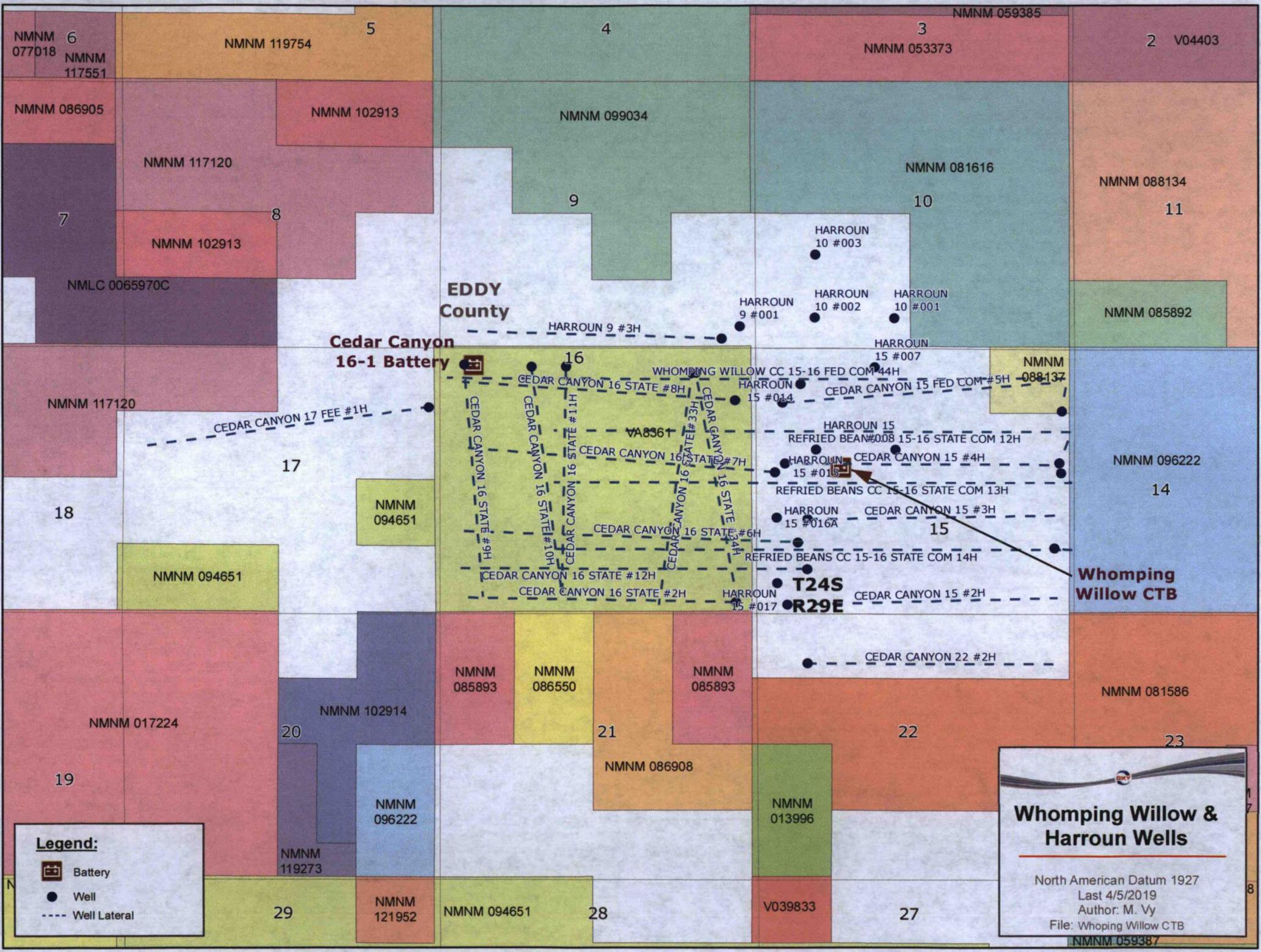
Additional Application Components:

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

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

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.

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.

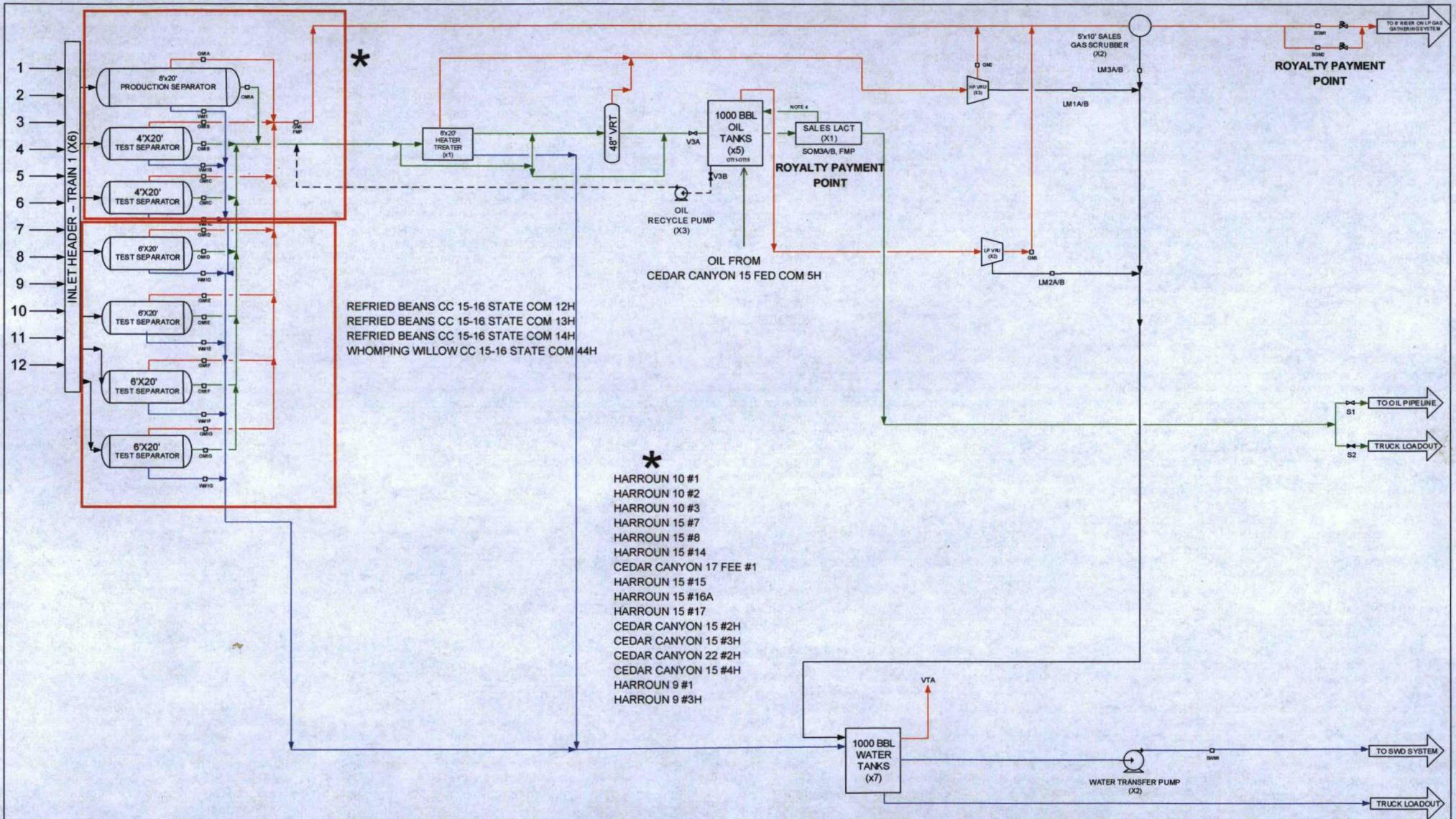


Legend:

- Battery
- Well
- Well Lateral

Whomping Willow & Harroun Wells

North American Datum 1927
 Last 4/5/2019
 Author: M. Vy
 File: Whomping Willow CTB
 NMNM 059387



- NOTES:**
1. VTA= VENT TO ATMOSPHERE
 2. LACT= LEASE AUTOMATED CUSTODY TRANSFER
 3. VRT= VAPOR RECOVERY TOWER
 4. BAD OIL DIVERT LINE BACK TO SAME ROYALTY OIL STORAGE TANKS
 5. EQUIPMENT NOT INCLUDED ON BFD INCLUDES CONTAINMENT SUMP/PUMP AND INSTRUMENT AIR SYSTEM
 6. ALL DOTTED EQUIPMENT INDICATE FUTURE EQUIPMENT
 7. LOCATED IN SECTION 34, TOWNSHIP 23, EDDY COUNTY. LAT= 32.259600° LONG= -103.761750°

LEGEND

WATER:	
OIL:	
GAS:	
MIX:	
RECYCLE:	

REV.	DESCRIPTION	DATE	BY	DESCRIPTION
A	DRAFT	08/27/18	JS	
REV.	DESCRIPTION	DATE	BY	DESCRIPTION: PROCESS BLOCK FLOW DIAGRAM

FACILITY: WHOMPING WILLOW CTB				OXY USA INC.- Permian Resources (Operator)						
AREA: NEW MEXICO		TYPE: CTB		ONEO.XY: TBD		ASSET	FACILITY	ENG DISC	NUMBER	SHEET
DWG TYPE: BLOCK FLOW DIAGRAM				PER	RESSTD00415	PRO	00001	001		

Wells at Harroun 15-15 BATTERY
To Be Routed to Whomping Willow CTB
Previous 6 Month Production Data

Cedar Canyon 15 #4H (30-015-41291)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	954	840	1286
Sep-2018	1	85	37
Oct-2018	0	0	0
Nov-2018	45	195	45
Dec-2018	5926	1343	23739
Jan-2019	2620	1489	16832

Harroun 9 #1 (30-015-34997)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	364	245	201
Sep-2018	10	0	250
Oct-2018	722	0	116
Nov-2018	147	0	77
Dec-2018	31	3	30
Jan-2019	13	4	6

Harroun 9 #3H (30-015-41488)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	0	0	0
Sep-2018	0	0	0
Oct-2018	0	0	0
Nov-2018	0	0	0
Dec-2018	55	0	262
Jan-2019	712	1808	4409

Cedar Canyon 17 #1H (30-015-42058)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	843	4	3072
Sep-2018	1285	7090	3114
Oct-2018	1344	19	2377
Nov-2018	1118	7034	3939
Dec-2018	1266	12085	3230
Jan-2019	944	8826	5878

Cedar Canyon 15 #3H (30-015-41594)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	1804	14420	9936
Sep-2018	2201	10554	9091
Oct-2018	2211	29547	5234
Nov-2018	1770	8117	8990
Dec-2018	1945	6572	5606
Jan-2019	1306	1118	10705

Cedar Canyon 15 #2H (30-015-41032)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	657	1998	4206
Sep-2018	747	1778	2923
Oct-2018	513	1584	1200
Nov-2018	414	1605	2111
Dec-2018	504	1871	1755
Jan-2019	407	1450	2980

Cedar Canyon 22 #2H (30-015-41327)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	1308	5678	6039
Sep-2018	1316	3129	2674
Oct-2018	1634	4588	1696
Nov-2018	1299	5622	2991
Dec-2018	1509	4697	4691
Jan-2019	1104	2078	6796

Harroun 10 #1 (30-015-30375)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	266	2103	5819
Sep-2018	223	957	3718
Oct-2018	203	2477	1057
Nov-2018	110	579	1474
Dec-2018	150	1125	1134
Jan-2019	69	525	1416

Wells at Harroun 15-15 BATTERY
To Be Routed to Whomping Willow CTB
Previous 6 Month Production Data

Harroun 10 #2 (30-015-31709)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	63	101	1230
Sep-2018	94	40	1472
Oct-2018	83	99	170
Nov-2018	51	30	424
Dec-2018	86	61	385
Jan-2019	55	27	595

Harroun 10 #3 (30-015-32617)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	345	702	4017
Sep-2018	472	359	2984
Oct-2018	371	1261	897
Nov-2018	264	336	1648
Dec-2018	255	656	1124
Jan-2019	147	460	1649

Harroun 15 #7 (30-015-29987)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	102	164	2366
Sep-2018	73	36	1626
Oct-2018	102	137	474
Nov-2018	92	38	725
Dec-2018	107	50	563
Jan-2019	70	59	979

Harroun 15 #8 (30-015-30253)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	149	3395	5460
Sep-2018	122	1153	3243
Oct-2018	174	3602	1287
Nov-2018	148	1114	2205
Dec-2018	92	1164	1057
Jan-2019	93	979	2133

Cedar Canyon 15 Fed Com 5H (30-015-42421)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	1273	2185	10061
Sep-2018	1093	2532	11400
Oct-2018	1226	3758	7605
Nov-2018	812	0	7615
Dec-2018	1034	3130	7779
Jan-2019	661	1517	8504

Harroun 15 #14 (30-015-32620)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	188	74	2999
Sep-2018	187	44	2122
Oct-2018	136	203	605
Nov-2018	115	53	922
Dec-2018	102	63	704
Jan-2019	77	44	1198

Harroun 15 #15 (30-015-33317)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	28	255	85
Sep-2018	31	74	73
Oct-2018	37	64	49
Nov-2018	51	23	90
Dec-2018	44	63	90
Jan-2019	21	44	157

Harroun 15 #16A (30-015-33823)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	53	1493	1725
Sep-2018	109	532	1351
Oct-2018	163	867	362
Nov-2018	144	184	553
Dec-2018	167	345	447
Jan-2019	110	221	694

Wells at Harroun 15-15 BATTERY
To Be Routed to Whomping Willow CTB
Previous 6 Month Production Data

Harroun 15 #17 (30-015-33822)			
Month	Oil (bbls)	Gas (mcf)	Water (bbls)
Aug-2018	538	4393	1201
Sep-2018	654	1412	1399
Oct-2018	622	3445	1148
Nov-2018	527	834	944
Dec-2018	628	1383	910
Jan-2019	463	920	675



**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

April 5, 2019

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: Application for Amendment to Pool and Lease Commingle Permit and Off-lease Measurement, Sales, & Storage for Wells at the Harroun 15-15 Battery and Whomping Willow Battery in Eddy County, New Mexico.

Dear Interest Owner:

This is to advise you that OXY USA INC is filing an amendment to Order PLC-553 for surface commingling at the Harroun 15-15 Battery and Whomping Willow Battery. 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

NAME	ADDRESS	CITY	STATE	ZIP	CERT. MAIL TRK. #
ALAN R HANNIFIN	PO BOX 8874	DENVER	CO	80201-8874	7018 0360 0000 0626 4359
ANNETTE O WAMBAUGH	6203 ALDEN BRIDGE RD. APT 2209	THE WOODLANDS	TX	77382	7018 0360 0000 0626 4342
B JACK REED	506 CHARISMATIC	MIDLAND	TX	79705	7018 0360 0000 0626 4335
BERYL OIL AND GAS LP	PO BOX 51440	MIDLAND	TX	79710	7018 0360 0000 0626 4328
COLLINS & WARE INC	950 THIRD AVE, 23RD FLOOR	NEW YORK	NY	10022	7018 0360 0000 0626 4311
CURTIS A ANDERSON AND EDNA I ANDERSON, JOINT TENANTS	9314 CHERRY BROOK LANE	FRISCO	TX	75033-0651	7018 0360 0000 0626 4304
FFF INC	PO BOX 8874	DENVER	CO	80201	7018 0360 0000 0626 4298
HERMAN CLIFFORD WALKER III	PO BOX 10135	MIDLAND	TX	79702	7018 0360 0000 0626 4281
LEOPARD PETROLEUM LP	4200 FAIRWOOD PL	MIDLAND	TX	79707	7018 0360 0000 0626 4274
LOWE ROYALTY PARTNERS LP	PO BOX 4887	HOUSTON	TX	77210-4887	7018 0360 0000 0626 4267
MAP 98A-OK	PO BOX 268988	OKLAHOMA CITY	OK	73126-8988	7018 0360 0000 0626 4250
MAP98B-NET	PO BOX 268984	OKLAHOMA CITY	OK	73126-8984	7018 0360 0000 0626 4243
MICHELLE R SANDOVAL	1395 RAVEAN CT	ENCINITAS	CA	92024	7018 0360 0000 0626 4236
MW OIL INVESTMENT COMPANY INC	730 17TH STREET SUITE 325	DENVER	CO	80202	7018 0360 0000 0626 4229
PENROC OIL CORPORATION	PO BOX 2769	HOBBS	NM	88241-2769	7018 0360 0000 0626 4212
S & E ROYALTY LLC	8470 WEST 4TH AVENUE	DENVER	CO	80226	7018 0360 0000 0626 4205
SHAWN & FRANCES HANNIFIN	730 17TH ST STE 325	DENVER	CO	80202	7018 0360 0000 0626 4199
SOFTSEARCH INVESTMENT LP ATTENTION: JOHN DANIEL	PO BOX 89	ABILENE	TX	79604	7018 0360 0000 0626 4182
STATE OF NEW MEXICO	PO BOX 1148	SANTA FE	NM	87504-1148	7018 0680 0001 8041 8556
SUNDANCE MINERALS I	PO BOX 17744	FORT WORTH	TX	76102	7018 0360 0000 0626 4175
WILLIAM K BURTON FORTSON OIL COMPANY-AGENT	306 WEST 7TH STREET, SUITE 901	FORT WORTH	TX	76102	7018 0360 0000 0626 4168

MAILED 04/04/2019

**NM OIL CONSERVATION
ARTESIA DISTRICT**

AUG 27 2018

Form C-102

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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District Office

Division I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-6720
Division II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1200 Fax: (505) 748-9770
Division III
7050 Rio Bravo Blvd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
Division IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45215	Pool Code 90473	Pool Name Pierce Crossing; Bone Spring, East
Property Code 322293	Property Name REFRIED BEANS CC "15_16" STATE COM	Well Number 12H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2938.8'

Surface Location

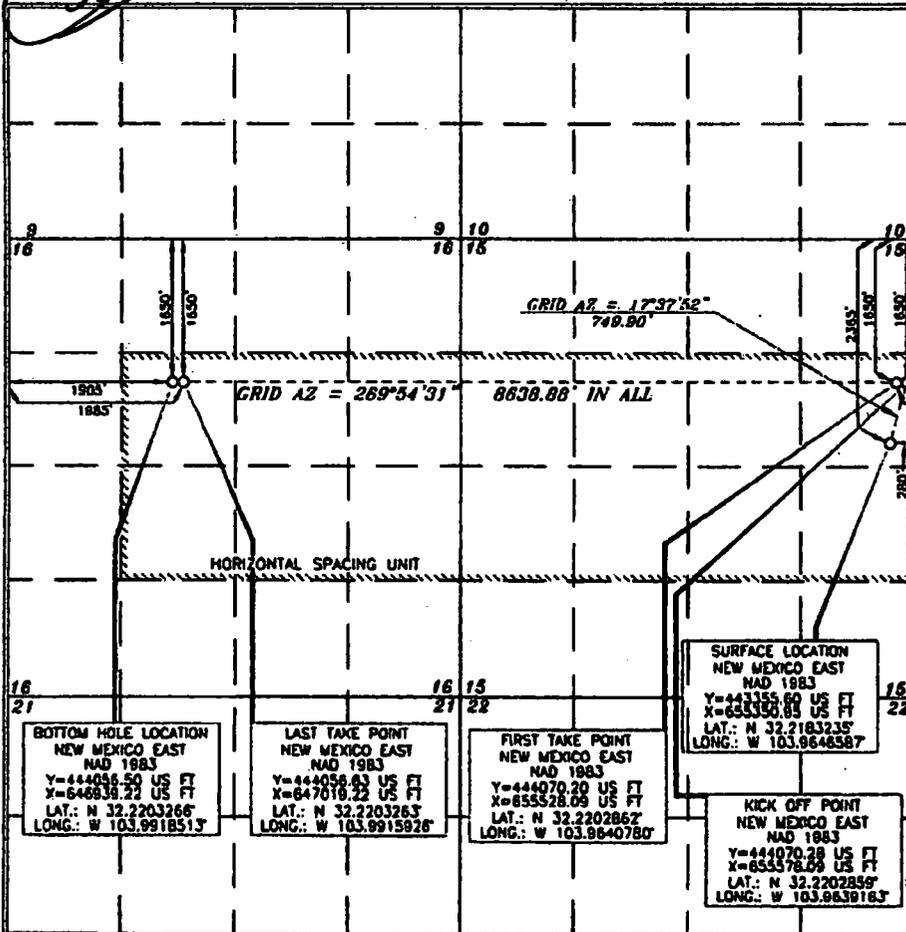
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	15	24 SOUTH	29 EAST, N.M.P.M.		2365'	NORTH	280'	EAST	EDDY

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
F	16	24 SOUTH	29 EAST, N.M.P.M.		1650'	NORTH	1905'	WEST	EDDY

Dedicated Acres 2.90	Joint or Infill Infill	Consolidation Code	Order No. Bottoming Well: Refried Beans CC 15-16 State Com #13H
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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.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land underlying 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sarah Chapman 8/15/18
Date
Sarah Chapman
Printed Name
sarah_chapman@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from a set of ground surveys made to my order under my supervision, and that the same is true and correct to the best of my belief.

PROFESSIONAL LAND SURVEYOR
15079
JULY 11 2018
Date of Survey
Terry Paul 8/14/2018
Signature and Seal
Professional Surveyor
Certificate Number 15079

8-28-18.
RUP.

**NM OIL CONSERVATION
ARTESIA DISTRICT**

AUG 27 2018

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 383-4161 Fax: (575) 383-0720
District II
811 E. First St., Artesia, NM 88210
Phone: (575) 748-1281 Fax: (575) 748-0720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6179 Fax: (505) 334-6179
District IV
1230 S. E. Fossil Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45216	Pool Code 96473	Pool Name Pierce Crossing; Bone Spring, East
Property Code 322293	Property Name REFRIED BEANS CC "15_16" STATE COM	Well Number 13H
OCRID No. 116096	Operator Name OXY USA INC.	Elevation 2938.8'

Surface Location

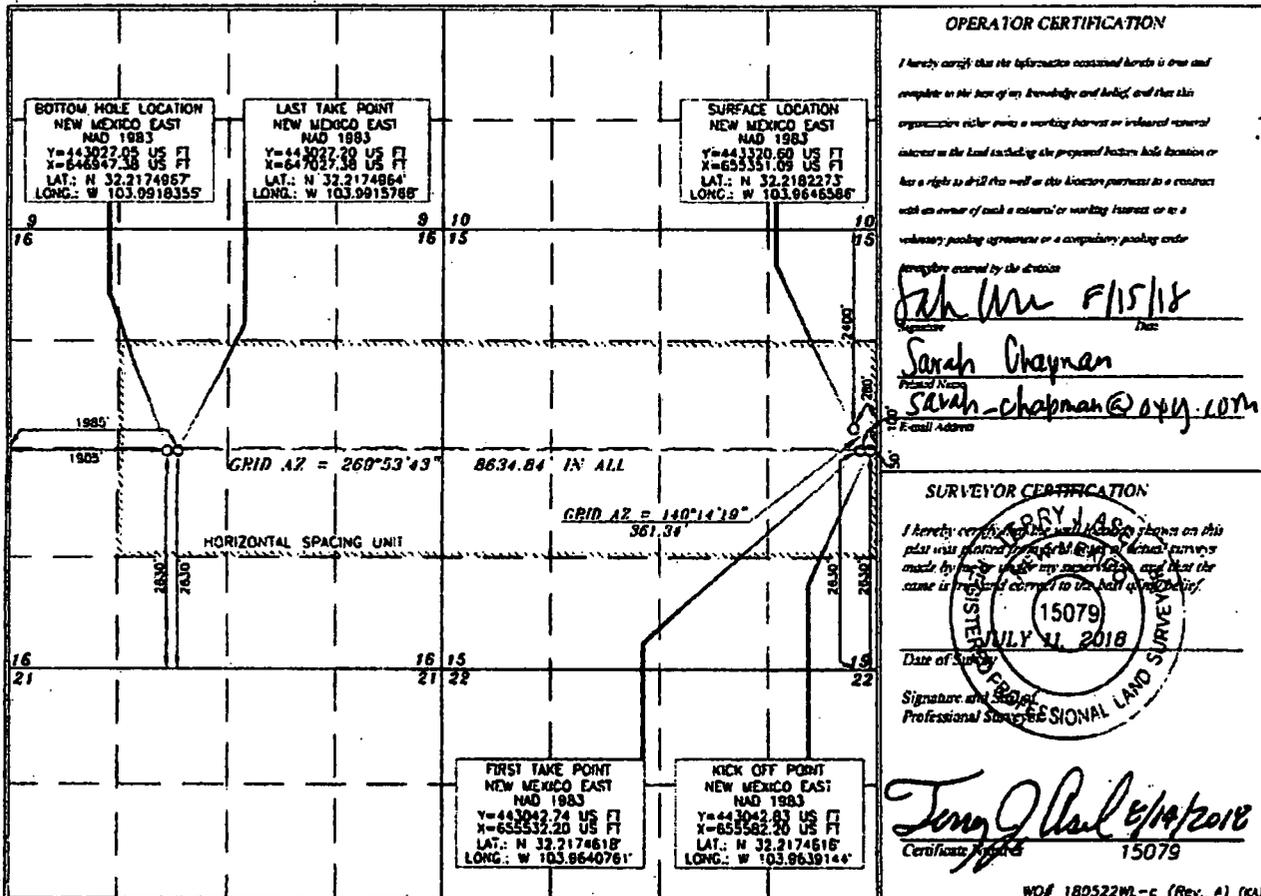
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	15	24 SOUTH	29 EAST, N.M.P.M.		2400'	NORTH	280'	EAST	EDDY

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
K	16	24 SOUTH	29 EAST, N.M.P.M.		2630'	SOUTH	1905'	WEST	EDDY

Dedicated Acres 2.60560	Joint or Infill	Consolidation Code	Order No. Defining Well
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No allowance will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Rwp, 8-29-18

**NM OIL CONSERVATION
ARTESIA DISTRICT**

AUG 27 2018

RECEIVED

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

AMENDED REPORT

District I
1632 N. French Dr., Hobbs, NM 88340
Phone: (505) 394-6161 Fax: (505) 393-6720
District II
711 S. Fern St., Artesia, NM 88210
Phone: (505) 346-1283 Fax: (505) 248-9720
District III
1010 Rio Grande Road, Artesia, NM 88210
Phone: (505) 334-6179 Fax: (505) 334-6179
District IV
1239 S. N. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3450 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45217	Pool Code 96473	Pool Name Pierce Crossing; Bone Spring, East
Property Code 322293	Property Name REFRIED BEANS CC "15_16" STATE COM	Well Number 14H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2943.3'

Surface Location

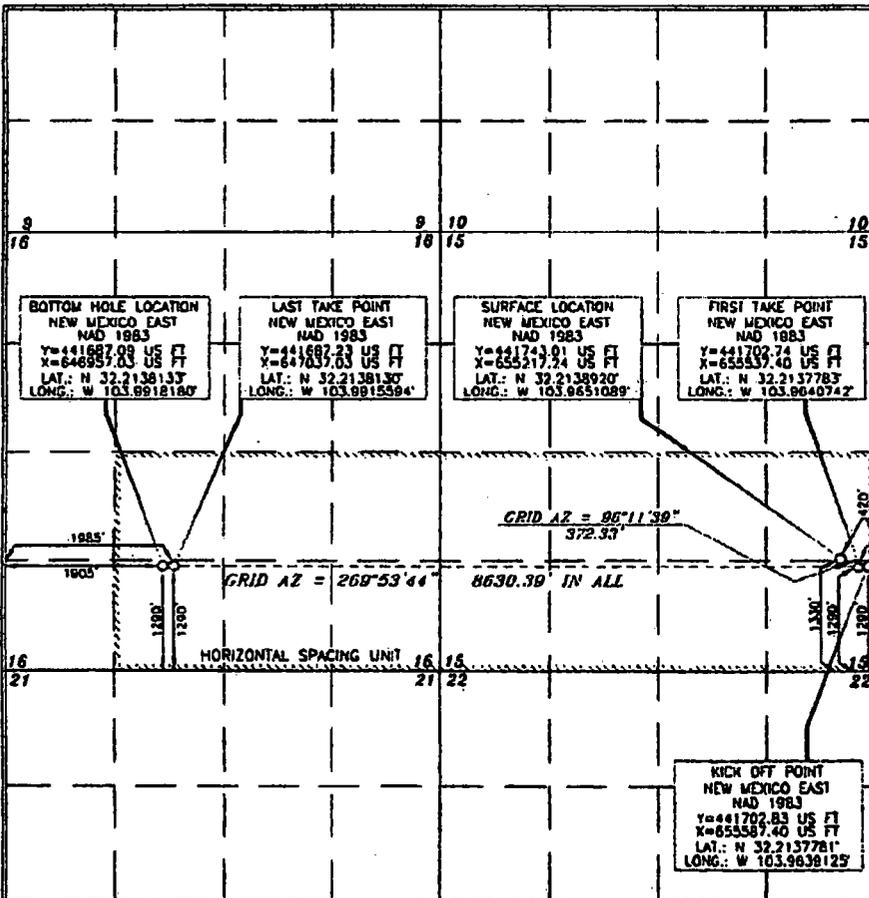
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	15	24 SOUTH	29 EAST, N.M.P.M.		1330'	SOUTH	420'	EAST	EDDY

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
N	16	24 SOUTH	29 EAST, N.M.P.M.		1290'	SOUTH	1805'	WEST	EDDY

Dedicated Acreage 2.89/660 Infill	Consolidation Code	Order No. Defining well: Refried Beans CC 15-16 State Com #13H
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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.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or mineral interest located in the land including the proposed location, has the right to drill this well, or that it has been granted a contract with an owner of such a mineral or working interest, or as a voluntary pooling agreement or a compulsory pooling order.

Signature: **Sarah Chapman 8/15/18**
Print Name: **Sarah Chapman**
E-mail Address: **sarah-chapman@oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the survey shown on this plat was located, planned, run, and returned under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: **MAY 22 2018**

Signature and Seal: **Tony J. As...**
Professional Surveyor
Certificate Number: **15079**

AUG 27 2018

District I
1423 N. Francis Dr., Hobbs, NM 88240
Phone: (575) 393-4111 Fax: (575) 393-4720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-4720
District III
1000 Rio Grande Road, Alamogordo, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1229 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 475-3450 Fax: (505) 475-3452

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45218	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code 322294	Property Name WHOMPING WILLOW CC "15_16" STATE COM	Well Number 44H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2942.8'

Surface Location

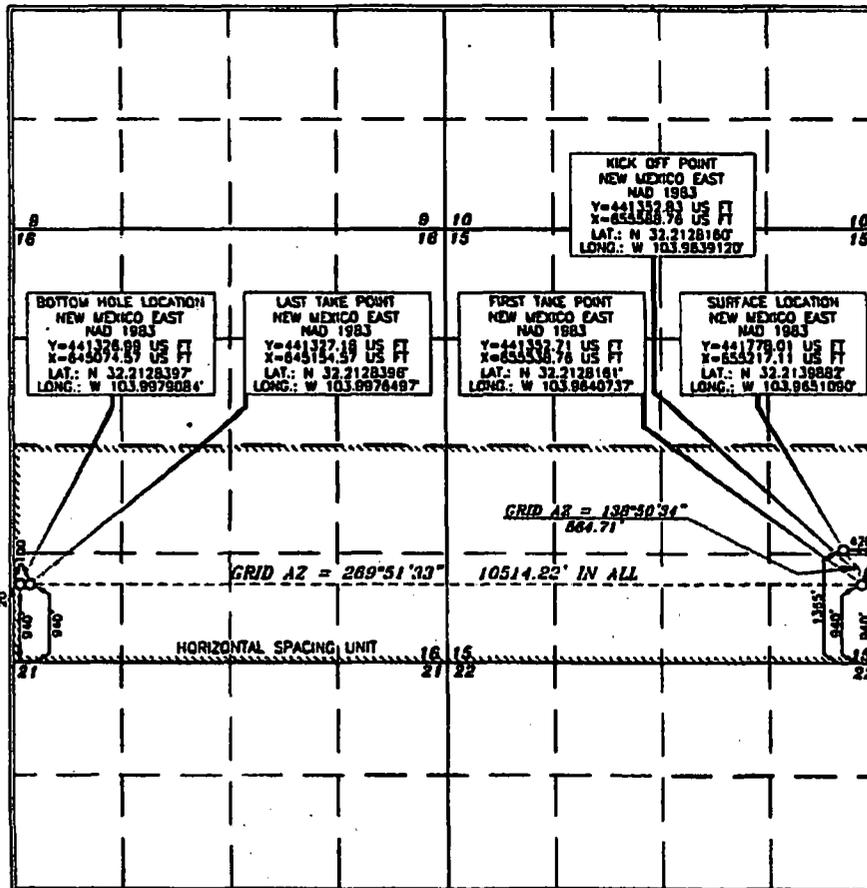
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	15	24 SOUTH	29 EAST, N.M.P.M.		1385'	SOUTH	420'	EAST	EDDY

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
M	16	24 SOUTH	29 EAST, N.M.P.M.		940'	SOUTH	20'	WEST	EDDY

Dedicated Acres 640	Joint or Infill N	Consolidation Code	Order No.
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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.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or an undivided 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 a mineral or working interest, or to a necessary pooling agreement or a compulsory pooling order heretofore granted by the division.

[Signature] 8/7/18
Date

Jana Mendiola
Printed Name
j.mendiola@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

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

TERRY J. ASH
15079
Date of Survey: **MAY 22, 2018**
Signature and Date
Professional Surveyor

[Signature] 7/22/2018
Certificate Number: 15079

RWP 8-28-18



**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

October 3, 2018

Re: Production of Wells Going to Whomping Willow Tank Battery

Lease: VA-8361
Eddy County, New Mexico

Dear Mr. McMillan:

Regarding the submitted commingle application for Whomping Willow Central Tank Battery, the production decline of all of the wells going to the battery is in accordance with the production decline presented in Order R-14299.

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

Respectfully,

OXY USA INC
Sandra Musallam
Regulatory Engineer
Sandra_musallam@oxy.com

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



October 25, 2018

Surface Commingling Order PLC-525

OXY USA INC.

Attention: Ms. Elizabeth Velasco

Pursuant to your application received on October 4, 2018, OXY USA, Inc. (OGRID 16696) is hereby authorized to surface commingle oil and gas production and off-lease measure from the following pools:

PIERCE CROSSING; BONE SPRING, EAST (96473)
PURPLE SAGE; WOLFCAMP (GAS) (98220)

and from the following diversely owned state wells and leases in said Section, Township, and Range in Eddy County, New Mexico.

Lease: Pending Refried Beans CC 15 16 State Com Well No. 13H State
Communitization Agreement.

Description: S/2 N/2 and N/2 S/2 of Section 15, and the S/2 NE/4, SE/4 NW/4, NE/4 SW/4
and B/2 SE/4 of Section 16, all in Township 24 South, Range 29 East

Wells: Refried Beans CC 15 16 State Com Well No. 13H API 30-015-45216
Refried Beans CC 15 16 State Com Well No. 12H API 30-015-45215
Refried Beans CC 15 16 State Com Well No. 14H API 30-015-45217

Pool: Pierce Crossing; Bone Spring, East

Lease: Pending Whomping Willow CC 15 16 State Com Well No. 44H State
Communitization Agreement.

Description: S/2 of Section 15, and the S/2 of Section 16, all in Township 24 South, Range 29
East

Well: Whomping Willow CC 15 16 State Com Well No. 44H API 30-015-45218

Pool: Purple Sage; Wolfcamp (Gas)

The commingled oil production from the wells detailed above shall be measured and sold at the Whomping Willow Central Tank Battery (CTB), located in Unit F of Section 15, 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. However, all wells subject to this administrative application have no production.

For future additions 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, in accordance with Division Rule 19.15.12.10 C (4) (g) NMAC.

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

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

This approval is subject to like approval from the New Mexico State Land Office before commencing commingling operations.

Subsequently drilled wells that produce from the subject pool within the project areas approved by this order may be added to this commingling authority by submittal of a Sundry Notice to the Engineering Bureau in Santa Fe.

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 – Artesia
New Mexico State Land Office – Oil, Gas, and Minerals

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Gabriel Wade, Acting Director
Oil Conservation Division



February 28, 2019

ADMINISTRATIVE POOL/LEASE COMMINGLING ORDER

Administrative Order PLC-553

OXY USA, Inc.
Attention: Ms. Sandra Mussallam

Pursuant to your application received on February 7, 2019, 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.

Administrative Order PLC-553

OXY USA, Inc.

February 28, 2019

Page 3 of 3

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-B, issued on June 15, 2018. This Order removes one of the batteries, and changes the measurement method for the Harroun 15 Federal Com Well No. 5H.

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



Gabriel Wade
Acting Director

GW/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: PLC-553 Wells

CEDAR CANYON 16-1 BATTERY

Well	API	Horizontal Spacing Unit	Pool	Pool Code
Cedar Canyon 16 State #11H	30-015-42062	E/2 W/2 of Section 16	CEDAR CANYON;DELAWARE	11540
Cedar Canyon 16 State #1H	30-015-39856	W/2 W/2 of Section 16	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 16 State #2H	30-015-41024	S/2 S/2 of Section 16	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 16 State #6H	30-015-41595	N/2 S/2 of Section 16	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 16 State #7H	30-015-41251	SW/4 NW/4 of Section 16	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 16 State #8H	30-015-41596	N/2 N/2 of Section 16	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 16 State #9H	30-015-42061	W/2 W/2 of Section 16	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 16 State #10H	30-015-42055	E/2 W/2 of Section 16	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 16 State #12H	30-015-42683	SW/4 SW/4 of Section 16	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 16 State #33H	30-015-43844	W/2 E/2 of Section 16	PURPLE SAGE;WOLFCAMP (GAS)	98220
Cedar Canyon 16 State #34H	30-015-43843	E/2 E/2 of Section 16	PURPLE SAGE;WOLFCAMP (GAS)	98220

HARROUN 15-15 BATTERY

Well	API	Horizontal Spacing Unit	Pool	Pool Code
Harroun 10 #1	30-015-30375	SW/4 SE/4 of Section 10	CEDAR CANYON;DELAWARE	11540
Harroun 10 #2	30-015-31709	SW/4 SW/4 of Section 10	CEDAR CANYON;DELAWARE	11540
Harroun 10 #3	30-015-32617	NW/4 SW/4 of Section 10	CEDAR CANYON;DELAWARE	11540
Harroun 15 #7	30-015-29987	NE/4 NW/4 of Section 15	CEDAR CANYON;DELAWARE	11540
Harroun 15 #8	30-015-30253	SE/4 NW/4 of Section 15	CEDAR CANYON;DELAWARE	11540
Harroun 15 #14	30-015-32620	NW/4 NW/4 of Section 15	CEDAR CANYON;DELAWARE	11540
Cedar Canyon 17 Fee #1H	30-015-42058	S/2 N/2 of Section 17	CORRAL DRAW;BONE SPRING	96238
Harroun 15 #15	30-015-33317	SW/4 NW/4 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473
Harroun 15 #16A	30-015-33823	NW/4 SE/4 and N/2 SW/4 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473
Harroun 15 #17	30-015-33822	SW/4 SE/4 and S/2 SW/4 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 15 #2H	30-015-41032	N/2 S/2 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 15 #3H	30-015-41594	N/2 S/2 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 22 #2H	30-015-41327	N/2 N/2 of Section 22	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 15 Fed Com 5H	30-015-42421	S/2 N/2 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473
Cedar Canyon 15 #4H	30-015-41291	S/2 N/2 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473
Harroun 9 #1	30-015-34997	SE/4 SE/4 of Section 9	PIERCE CROSSING; BONE SPRING, EAST	96473
Harroun 9 #3H	30-015-41488	S/2 S/2 of Section 9	PIERCE CROSSING; BONE SPRING, EAST	96473

HARROUN 15-5H Well

Well	API	Horizontal Spacing Unit	Pool	Pool Code
Cedar Canyon 15 Federal Com #5H	30-015-42421	E/2 E/2 of Section 15	PIERCE CROSSING; BONE SPRING, EAST	96473

All wells are within Range 3 decline