

API No. <u>42-103-33479</u> Drilling Permit # <u>839365</u> SWR Exception Case/Docket No. _____		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification of the automated data is available in the RRC's Austin office.</i>				FORM W-1 07/2004 Permit Status: Approved	
1. RRC Operator No. 630591		2. Operator's Name (as shown on form P-5, Organization Report) OXY USA INC.		3. Operator Address (include street, city, state, zip): ATTN KELLEY MONTGOMERY 5 GREENWAY PLAZA SUITE 110 HOUSTON, TX 77046-0000			
4. Lease Name BLOCK 31 UNIT		5. Well No. O 11					
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> New Drill <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter </div> <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D) </div>							
7. Wellbore Profile (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Horizontal (Also File Form W-1H) <input type="checkbox"/> Directional (Also File Form W-1D) <input type="checkbox"/> Sidetrack </div>							
8. Total Depth 7500		9. Do you have the right to develop the minerals under any right-of-way ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. 08		12. County CRANE		13. Surface Location <input checked="" type="checkbox"/> Land <input type="checkbox"/> Bay/Estuary <input type="checkbox"/> Inland Waterway <input type="checkbox"/> Offshore			
14. This well is to be located <u>7.7</u> miles in a <u>NW</u> direction from <u>CRANE</u> which is the nearest town in the county of the well site.							
15. Section 27		16. Block 31		17. Survey UNIVERSITY LANDS		18. Abstract No. A-U75	
				19. Distance to nearest lease line: 6556 ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 7840	
21. Lease Perpendiculars: <u>8159</u> ft from the <u>EAST</u> line and <u>9390</u> ft from the <u>NORTH</u> line. 22. Survey Perpendiculars: <u>2406</u> ft from the <u>WEST</u> line and <u>1181</u> ft from the <u>SOUTH</u> line.							
23. Is this a pooled unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		24. Unitization Docket No:		25. Are you applying for Substandard Acreage Field? <input type="checkbox"/> Yes (attach Form W-1A) <input checked="" type="checkbox"/> No			
FIELD INFORMATION List all fields of anticipated completion including Wildcat. List one zone per line.							
26. RRC District No.	27. Field No.	28. Field Name (exactly as shown in RRC records)		29. Well Type	30. Completion Depth	31. Distance to Nearest Well in this Reservoir	
08	09358900	BLOCK 31 (PENN. 7620)		Oil Well	7400	4123.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS							
Remarks [FILER Mar 20, 2019 3:27 PM]: Field Transfer from Block 31 (ATOKA 7900) 09358090, to Block 31 (PENN.7620).; [RRC STAFF Mar 20, 2019 3:50 PM]: Purpose of Filing changed back to RECOMPLETION FROM FIELD TRANSFER on this AMENDED filing. Purpose of filing can not change on amendments. Operator is filing to add another field to permit.				Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge.			
				<div style="display: flex; justify-content: space-between;"> <div> <u>Nipal Holland, Analyst</u> Name of filer <u>(713)4972052</u> Phone </div> <div> <u>Mar 20, 2019</u> Date submitted <u>Nipal_Holland@oxy.com</u> E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only Data Validation Time Stamp: Mar 21, 2019 12:18 PM(Current Version)							

RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER <div style="text-align: right;">839365</div>	DATE PERMIT ISSUED OR AMENDED (AMENDED) Mar 21, 2019	DISTRICT <div style="text-align: center;">* 08</div>																					
API NUMBER <div style="text-align: right;">42-103-33479</div>	FORM W-1 RECEIVED <div style="text-align: center;">Mar 20, 2019</div>	COUNTY <div style="text-align: center;">CRANE</div>																					
TYPE OF OPERATION <div style="text-align: center;">RECOMPLETION</div>	WELLBORE PROFILE(S) <div style="text-align: center;">Vertical</div>	ACRES <div style="text-align: center;">7840</div>																					
OPERATOR <div style="text-align: right;">630591</div> <div style="text-align: center;"> OXY USA INC. ATTN KELLEY MONTGOMERY 5 GREENWAY PLAZA SUITE 110 HOUSTON, TX 77046-0000 </div>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <div style="text-align: center;"> District Office Telephone No: (432) 684-5581 </div>																					
LEASE NAME <div style="text-align: center;">BLOCK 31 UNIT</div>		WELL NUMBER <div style="text-align: center;">O 11</div>																					
LOCATION <div style="text-align: center;">7.7 miles NW direction from CRANE</div>		TOTAL DEPTH <div style="text-align: center;">7500</div>																					
Section, Block and/or Survey <div style="display: flex; justify-content: space-between;"> <div>SECTION 27</div> <div>BLOCK 31</div> <div>ABSTRACT U75</div> </div> <div style="margin-top: 5px;"> SURVEY UNIVERSITY LANDS </div>																							
DISTANCE TO SURVEY LINES <div style="text-align: center;">2406 ft. WEST 1181 ft. SOUTH</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: center;">6556 ft.</div>																					
DISTANCE TO LEASE LINES <div style="text-align: center;">8159 ft. EAST 9390 ft. NORTH</div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: center;">See FIELD(s) Below</div>																					
FIELD(s) and LIMITATIONS: <div style="text-align: center; margin-top: 10px;"> * SEE FIELD DISTRICT FOR REPORTING PURPOSES * </div>																							
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">FIELD NAME LEASE NAME</th> <th style="width:10%;">ACRES NEAREST LEASE</th> <th style="width:10%;">DEPTH</th> <th style="width:10%;">WELL # NEAREST WE</th> <th style="width:10%;">DIST</th> </tr> </thead> <tbody> <tr> <td colspan="5"><hr style="border-top: 1px dashed black;"/></td> </tr> <tr> <td>BLOCK 31 (PENN. 7620)</td> <td>7840.00</td> <td>7,400</td> <td>O 11</td> <td>08</td> </tr> <tr> <td>BLOCK 31 UNIT</td> <td>6556</td> <td></td> <td>4123</td> <td></td> </tr> </tbody> </table>				FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH	WELL # NEAREST WE	DIST	<hr style="border-top: 1px dashed black;"/>					BLOCK 31 (PENN. 7620)	7840.00	7,400	O 11	08	BLOCK 31 UNIT	6556		4123	
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RESTRICTIONS: This is a hydrogen sulfide field. Hydrogen Sulfide Fields with perforations must be isolated and tested per State Wide Rule 36 and a Form H-9 filed with the district office. Fields with SWR 10 authority to downhole commingle must be isolated and tested individually prior to commingling production.																							
<div style="text-align: center; margin-top: 20px;"> THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS </div> <p>This well shall be completed and produced in compliance with applicable special field or statewide spacing and density rules. If this well is to be used for brine mining, underground storage of liquid hydrocarbons in salt formations, or underground storage of gas in salt formations, a permit for that specific purpose must be obtained from Environmental Services prior to construction, including drilling, of the well in accordance with Statewide Rules 81, 95, and 97.</p> <p>This well must comply to the new SWR 3.13 requirements concerning the isolation of any potential flow zones and zones with corrosive formation fluids. See approved permit for those formations that have been identified for the county in which you are drilling the well in.</p>																							

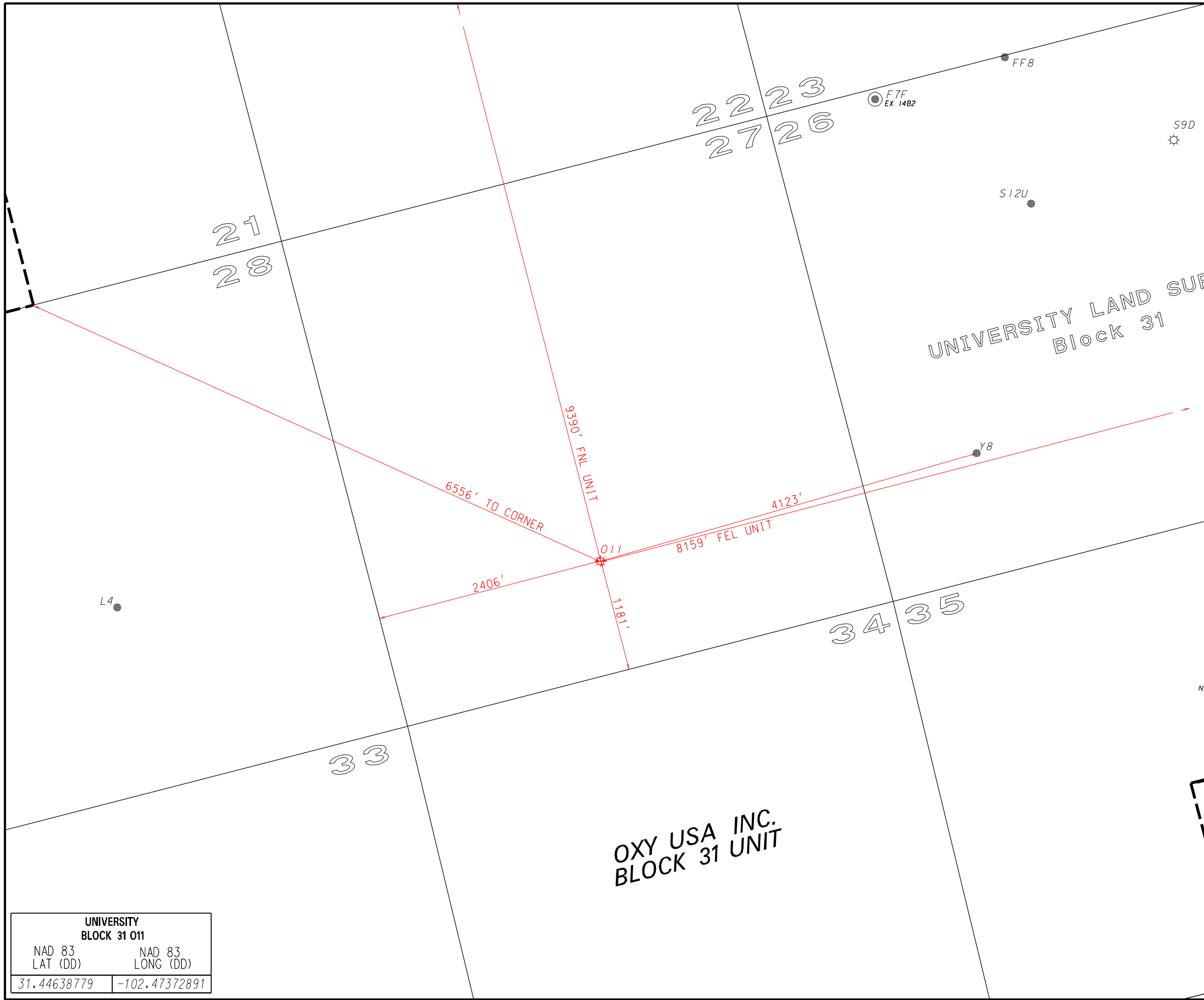
**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION
SWR #13 Formation Data**

CRANE (103) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
RUSTLER	1,000	1,000		1	12/17/2013
YATES	1,200	3,000		2	12/17/2013
GRAYBURG	2,100	3,100	Active CO2 flood	3	12/17/2013
SAN ANDRES	1,850	3,500	Usable Quality Water/Active CO2 flood	4	12/17/2013
SAN ANGELO	3,600	3,700		5	12/17/2013
SEVEN RIVERS	1,300	3,970		6	12/17/2013
GLORIETA	2,700	4,200		7	12/17/2013
PERMIAN GENERAL	3,900	4,200		8	12/17/2013
QUEEN	2,100	4,370		9	12/17/2013
CLEARFORK	2,900	4,400		10	12/17/2013
MONTOYA	5,300	5,300		11	12/17/2013
TUBB	3,350	5,400		12	12/17/2013
WICHITA ALBANY	5,400	6,000		13	12/17/2013
FUSSELMAN	6,400	7,400		14	12/17/2013
WOLFCAMP	5,000	7,500		15	12/17/2013
WADDELL	6,100	7,600		16	12/17/2013
BEND	7,700	7,700		17	12/17/2013
PENNSYLVANIAN	7,200	8,000		18	12/17/2013
CISCO	7,400	8,500		19	12/17/2013
STRAWN	8,600	8,600		20	12/17/2013
DEVONIAN	4,900	9,700	Active CO2 flood	21	12/17/2013
ELLENBURGER	5,400	11,700		22	12/17/2013

The above list may not be all inclusive, and may also include formations that do not intersect all wellbores. Formation "TOP" information listed reflects an estimated range based on geologic variances across the county. To clarify, the "Deep Top" is not the bottom of the formation; it is the deepest depth at which the "TOP" of the formation has been or might be encountered. This is a dynamic list subject to updates and revisions. It is the operator's responsibility to make sure that at the time of spudding the well the most current list is being referenced. Refer to the RRC website at the following address for the most recent information.
<http://www.rrc.texas.gov/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>

WELL DATA - NAD 27, TX(NC)
Lat.= 31°27'43.27";Long.= -102°27'10.51"
Ground Elevation: 2565.1'
Approx. 7.7 miles Northwest of Crane, TX



BLOCK 31, (PENN 7620) FIELD
UNIT ACREAGE = 7840± AC.
UNIT BOUNDARY - - - - -
PRODUCING WELL - - - - - ●
INJECTION WELL - - - - - ●
WELL LOCATIONS - - - - - ○
PROPOSED CONVERSION - - - - - ○_{PC}

I, DENNIS W. HUGHES hereby certify that this plat,
drawn to the scale indicated, accurately represents
conditions as they actually exist on the property
on which permit to drill is sought and correctly
reflects all pertinent data required to be shown on
such plat by orders of the Railroad Commission of Texas.

Dennis W. Hughes
Date: 2/26/2019

UNIVERSITY BLOCK 31 011	
NAD 83 LAT (DD)	NAD 83 LONG (DD)
31.44638779	-102.47372891

Partial Unit Plat

BLOCK 31 UNIT

Well No. 011

Crane County, Texas

Scale: 1"= 1000' 2/26/2019 466/block_31.DGN
Plat prepared by SEM
Horizon Survey, Inc.

OXY USA INC.
BLOCK 31 UNIT