

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

Carlsbad Field Office  
Otero Artesia

5. Lease Serial No.  
NMNM114979

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NMNM137096X

8. Well Name and No.  
MESA VERDE BS UNIT 21

9. API Well No.  
30-015-44546-00-X1

10. Field and Pool or Exploratory Area  
MESA VERDE-BONE SPRING

11. County or Parish, State  
EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
OXY USA INCORPORATED  
Contact: RYAN NEWPORT  
E-Mail: ryan\_newport@oxy.com

3a. Address  
5 GREENWAY PLAZA SUITE 110  
HOUSTON, TX 77046-0521

3b. Phone No. (include area code)  
Ph: 713-366-5154

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 13 T24S R31E SWSW 170FSL 848FWL  
32.210587 N Lat, 103.737320 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Right of Way
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

We need to re-route several of our approved flowline routes for upcoming wells in our Mesa Verde unit. We received approval for 2 flowlines per well in several APD's for our Mesa Verde wells in Section 13. This re-route is needed in order to account for our upcoming CTB expansion & future wolfcamp pad & the only portion of the route changing is the small section where the flowlines enter the CTB.

The first re-route is for the Mesa Verde BS unit 20 & 21 wells to the Mesa Verde CTB. This new route will be 30.0 feet in width, 11,105.9 feet in length, crossing BLM lands in Section 13, T24S-R31E, Eddy County, NM & Section 18, T24S-R32E, Lea County, NM as seen on the attached survey plat.

The second re-route is for the Mesa Verde BS unit 18 & 19 wells to the Mesa Verde CTB.

RECEIVED

JAN 10 2019

DISTRICT II-ARTESIA O.C.D.  
**Accepted For Record**  
NMOCD *1-11-18*

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #423760 verified by the BLM Well Information System**  
**For OXY USA INCORPORATED, sent to the Carlsbad**  
**Committed to AFMSS for processing by PRISCILLA PEREZ on 06/13/2018 (18PP1964SE)**

Name (Printed/Typed) RYAN NEWPORT Title LANDMAN

Signature (Electronic Submission) Date 06/13/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By *[Signature]* Title AFM RESOURCES Date 21 Dec 2018

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office *UNMPOZAP Carlsbad*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

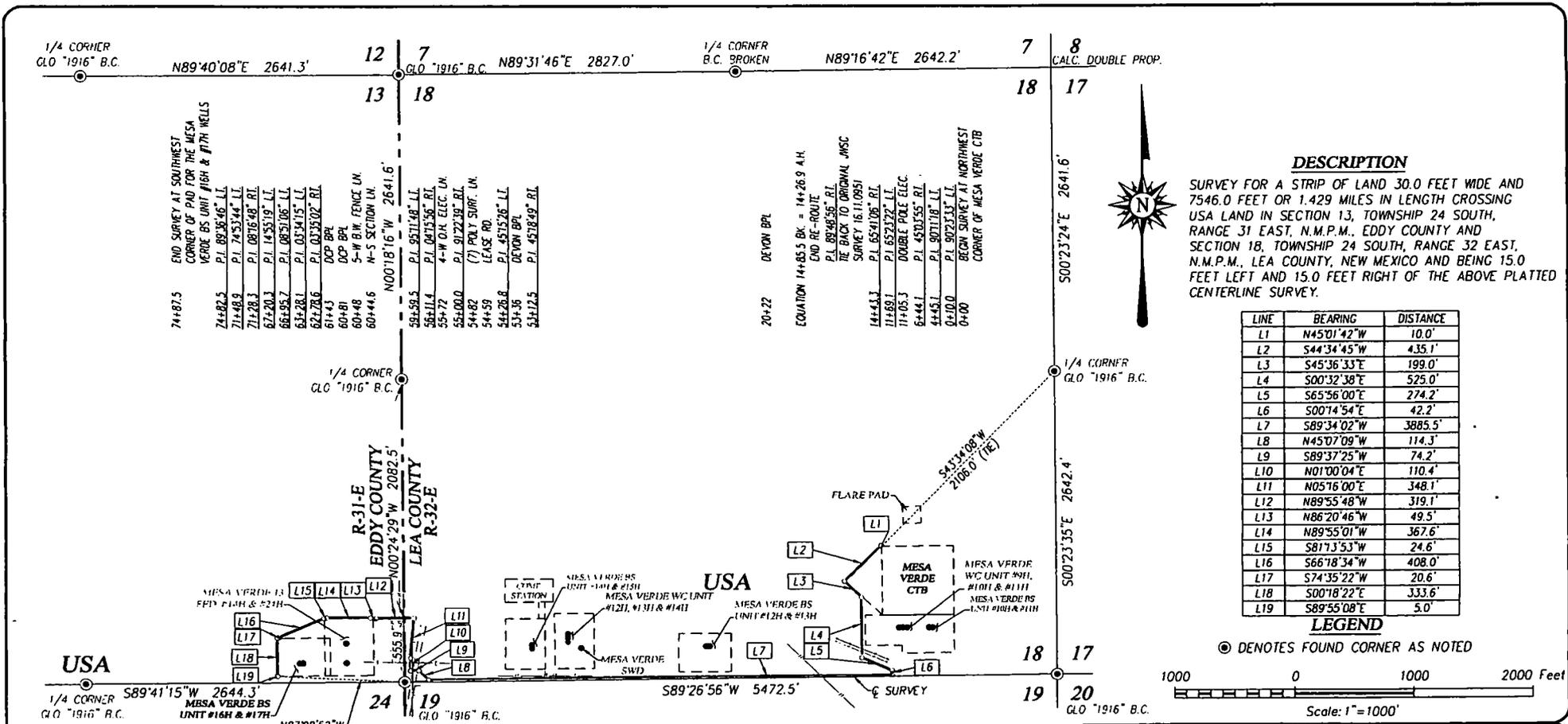
**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Additional data for EC transaction #423760 that would not fit on the form**

**32. Additional remarks, continued**

route will be 30.0 feet in width, 9,331.0 feet in length, crossing BLM lands in Section 13, T24S-R31E, Eddy County, NM & Section 18, T24S-R32E, Lea County, NM as seen on the attached survey plat.

The third re-route is for the Mesa Verde BS unit 16 & 17 wells to the Mesa Verde CTB. This new route will be 30.0 feet in width, 7,546.0 feet in length, crossing BLM lands in Section 13, T24S-R31E Eddy County, NM & Section 18, T24S-R32E, Lea County, NM as seen on the attached survey plat.



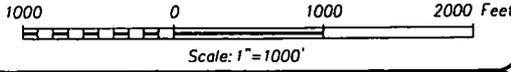
**DESCRIPTION**

SURVEY FOR A STRIP OF LAND 30.0 FEET WIDE AND 7546.0 FEET OR 1.429 MILES IN LENGTH CROSSING USA LAND IN SECTION 13, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY AND SECTION 18, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

LINE	BEARING	DISTANCE
L1	N45°01'42\"W	10.0'
L2	S44°34'45\"W	435.1'
L3	S45°36'33\"E	199.0'
L4	S00°32'38\"E	525.0'
L5	S65°56'00\"E	274.2'
L6	S00°14'54\"E	42.2'
L7	S89°34'02\"W	3885.5'
L8	N45°07'09\"W	114.3'
L9	S89°37'25\"W	74.2'
L10	N01°00'04\"E	110.4'
L11	N05°16'00\"E	348.1'
L12	N89°55'48\"W	319.1'
L13	N86°20'46\"W	49.5'
L14	N89°55'01\"W	367.6'
L15	S81°3'53\"W	24.6'
L16	S66°18'34\"W	408.0'
L17	S74°35'22\"W	20.6'
L18	S00°18'22\"E	333.6'
L19	S89°55'08\"E	5.0'

**LEGEND**

⊙ DENOTES FOUND CORNER AS NOTED



**NOTE**

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

**OXY U.S.A. INC.**

**SURVEY FOR A FLOW LINE TO THE MESA VERDE BS UNIT #16H & #17H WELLS CROSSING SECTION 18, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY AND SECTION 13, TOWNSHIP 24 SOUTH, RANGE 31 EAST N.M.P.M., EDDY COUNTY, NEW MEXICO**

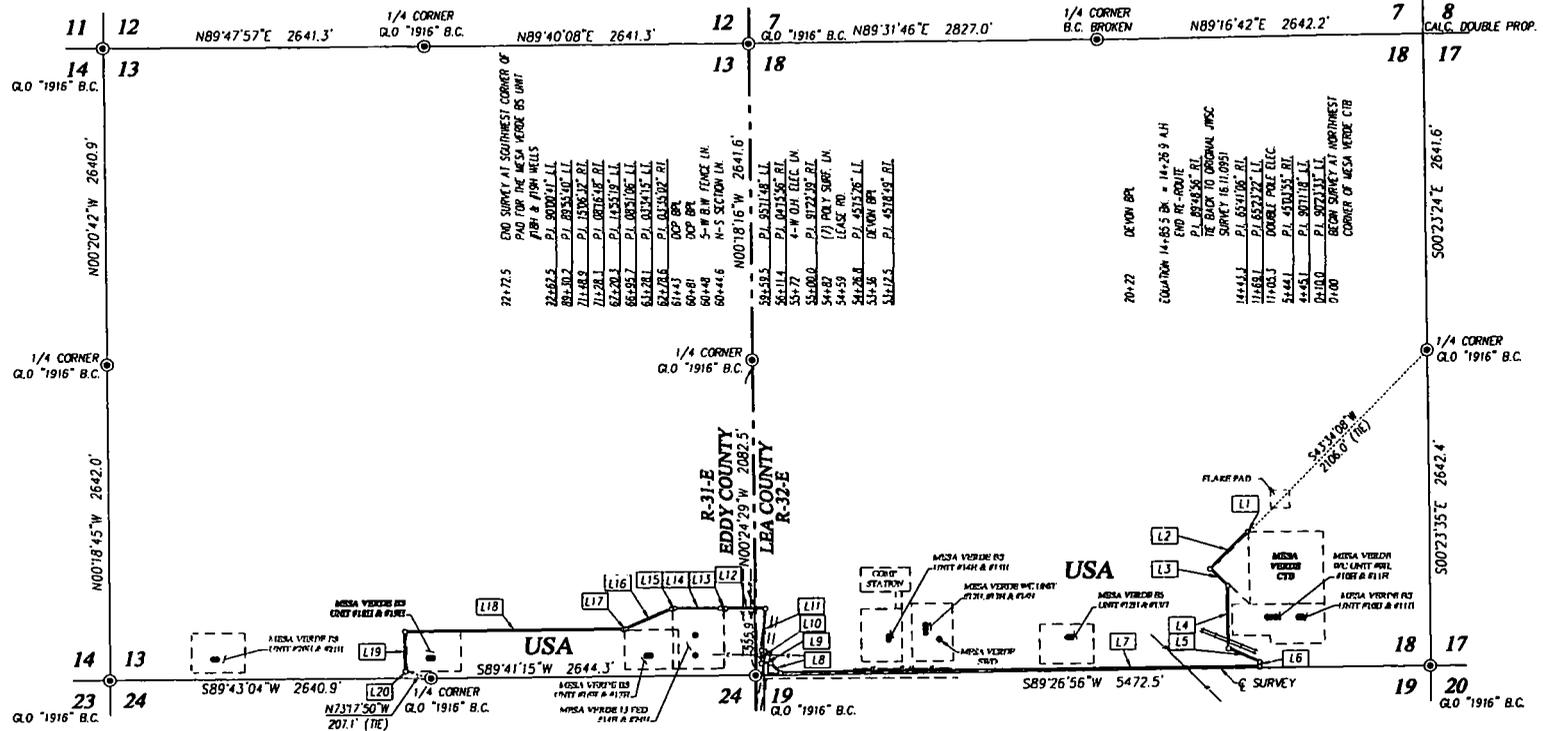
Survey Date: 12/19/16	CAD Date: 1/17/16	Drawn By: ACK
W.O. No.: 18130291	Rev. 3/09/18	Rel. W.O.: 16111021

I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON *Ronald J. Eidson*  
 DATE: 03/15/2018



PROVIDING SURVEYING SERVICES SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO, HOBBS, N.M. 88240  
 (575) 393-3117 www.jwsc.biz  
 TBPLS# 10021000



**DESCRIPTION**

SURVEY FOR A STRIP OF LAND 30.0 FEET WIDE AND 9,331.0 FEET OR 1.767 MILES IN LENGTH CROSSING USA LAND IN SECTION 13, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY AND SECTION 18, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	N45°01'42"W	10.0'	L11	N05°16'00"E	348.1'
L2	S44°34'45"W	435.1'	L12	N89°55'48"W	319.1'
L3	S45°36'33"E	199.0'	L13	N86°20'46"W	49.5'
L4	S00°32'38"E	525.0'	L14	N89°55'01"W	367.6'
L5	S65°56'00"E	274.2'	L15	S81°35'53"W	24.6'
L6	S00°14'54"E	42.2'	L16	S66°18'34"W	408.0'
L7	S89°34'02"W	3885.5'	L17	S74°35'22"W	20.6'
L8	N45°07'09"W	114.3'	L18	S89°41'54"W	1781.3'
L9	S89°31'25"W	74.2'	L19	S00°13'46"E	512.3'
L10	N01°00'04"E	110.4'	L20	N89°45'33"E	10.0'

**LEGEND**

⊙ DENOTES FOUND CORNER AS NOTED

Scale: 1" = 1000'

**OXY U.S.A. INC.**

**SURVEY FOR A FLOW LINE TO THE MESA VERDE BS UNIT #188 & #191 WELLS CROSSING SECTION 13, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY AND SECTION 18, TOWNSHIP 24 SOUTH, RANGE 32 EAST N.M.P.M., LEA COUNTY, NEW MEXICO**

Survey Date: 12/20/16	CAD Date: 1/17/16	Drawn By: ACK
W.O. No.: 18130291	Rev: 3/09/18	Rel. W.O.: 16111022

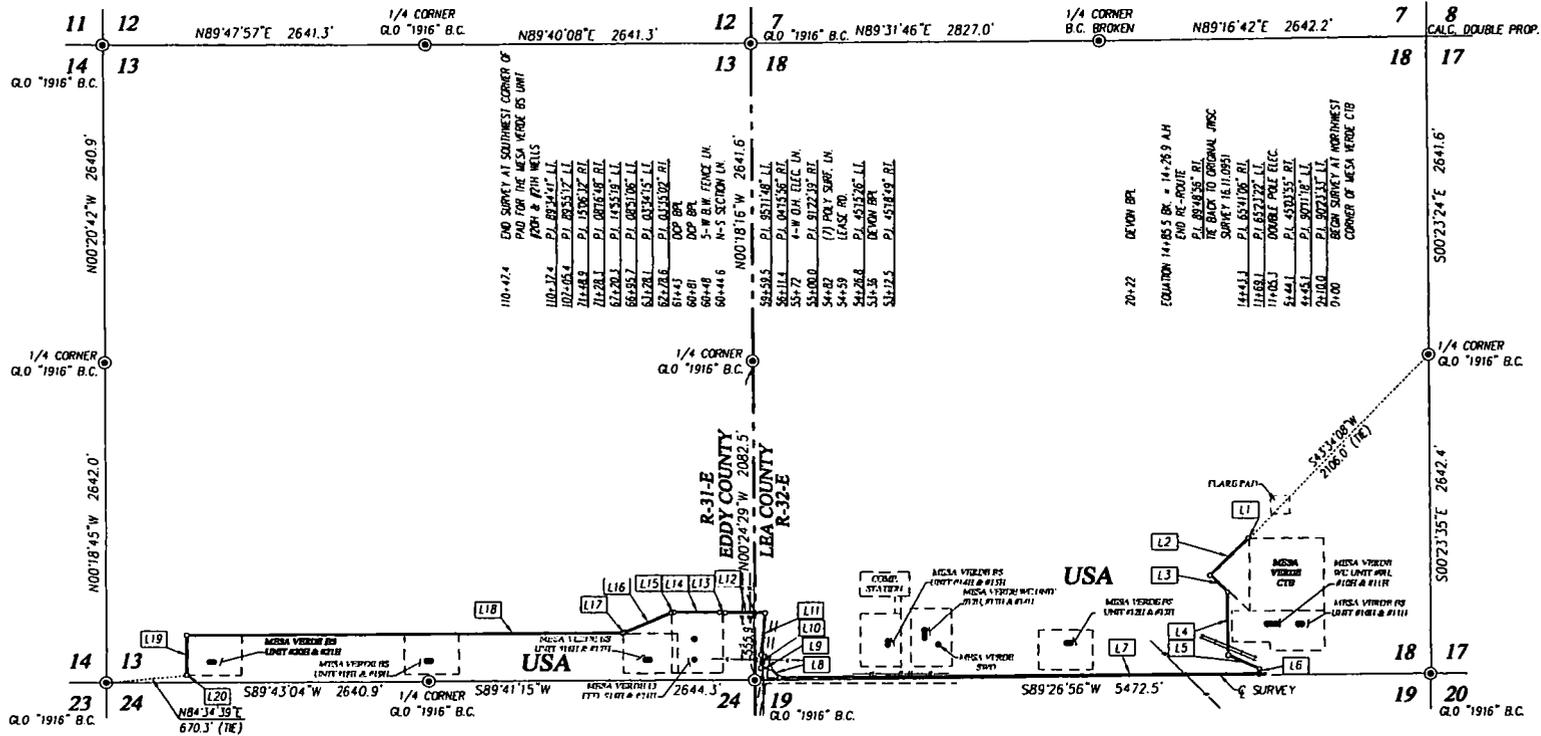
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RONALD J. EIDSON *Ronald J. Eidson* DATE: 03/15/2018



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PROVIDING SURVEYING SERVICES SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO HOBBES, N.M. 88240  
 (575) 393-3117 www.jwsc.biz  
 TRPL54 10021000

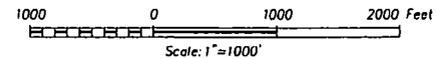


**DESCRIPTION**

SURVEY FOR A STRIP OF LAND 300 FEET WIDE AND 11,105.9 FEET OR 2.103 MILES IN LENGTH CROSSING USA LAND IN SECTION 13, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY AND SECTION 18, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
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L6	S00°14'54"E	42.2'	L16	S66°18'34"W	408.0'
L7	S89°34'02"W	3895.5'	L17	S74°35'22"W	20.6'
L8	N45°07'09"W	114.3'	L18	S89°41'54"W	3556.5'
L9	S89°37'25"W	74.2'	L19	S00°13'18"E	332.0'
L10	N01°00'04"E	110.4'	L20	S89°47'59"E	10.0'

**LEGEND**  
 © DENOTES FOUND CORNER AS NOTED



I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON *Ronald J. Eidson* DATE: 03/15/2018



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 TPLS# 10021000

**OXY U.S.A. INC.**

**SURVEY FOR A FLOW LINE TO THE MESA VERDE BS UNIT #20H & #21H WELLS CROSSING SECTION 13, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY AND SECTION 18, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO**

Survey Date: 12/20/16	CAD Date: 1/17/16	Drawn By: ACK
W.O. No.: 18130291	Rev: 3/12/18	Rel. W.O. 16111023

**BLM LEASE NUMBER:** NMNM114979  
**BLM UNIT NUMBER:** NMNM137096X  
**COMPANY NAME:** OXY USA Inc.  
**ASSOCIATED WELL NAME:** Mesa Verde BS Unit 21

### BURIED PIPELINE STIPULATIONS

A copy of the application (Grant, APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C.6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.
4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized right-of-way.
6. The pipeline will be buried with a minimum cover of 36 inches between the top of the pipe and ground level.
7. The maximum allowable disturbance for construction in this right-of-way will be 30 feet:
  - Blading of vegetation within the right-of-way will be allowed: maximum width of blading operations will not exceed 20 feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation.*)
  - Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed 30 feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)
  - The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)
8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.
9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.
10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.
11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.
12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.
 

<input type="checkbox"/> seed mixture 1	<input type="checkbox"/> seed mixture 3
<input type="checkbox"/> seed mixture 2	<input type="checkbox"/> seed mixture 4
<input checked="" type="checkbox"/> seed mixture 2/LPC	<input type="checkbox"/> Aplomado Falcon Mixture
13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.
14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product

being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

17. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

18. Escape Ramps - The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

- a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.
- b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

19. Special Stipulations:

**Lesser Prairie-Chicken**

Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

**Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:**

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted.

Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

**Timing Limitation Exceptions:**

The Carlsbad Field Office will publish an annual map of where the LPC timing and noise stipulations and conditions of approval (Limitations) will apply for the identified year (between March 1 and June 15) based on the latest survey information. The LPC Timing Area map will identify areas which are Habitat Areas (HA), Isolated Population Area (IPA), and Primary Population Area (PPA). The LPC Timing Area map will also have an area in red crosshatch. The red crosshatch area is the only area where an operator is required to submit a request for exception to the LPC Limitations. If an operator is operating outside the red crosshatch area, the LPC Limitations do not apply for that year and an exception to LPC Limitations is not required.

**Exhibit A-1**

Company: Oxy USA Inc.  
Lease #: NMNM 114979  
Unit #: NMNM137096X  
Well name: Mesa Verde BS Unit 21

**Seed Mixture for LPC Sand/Shinnery Sites**

Holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed shall be either certified or registered seed. The seed container shall be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). Holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. Seeding shall be repeated until a satisfactory stand is established as determined by the Authorized Officer. Evaluation of growth may not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed