U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

11/10/2025

Well Name: NUGGET 6_31 FEDERAL COM

Well Location: T24S / R31E / SEC 6 / SWSE / 32.2425886 / -103.81317

County or Parish/State: EDDY / NM

Well Number: 25H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM82904

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001556049

Operator: OXY USA INCORPORATED

Notice of Intent

Sundry ID: 2861426

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 07/03/2025

Time Sundry Submitted: 07:08

Date proposed operation will begin: 04/01/2026

Procedure Description: OXY USA Inc. respectfully requests approval to amend the subject well AAPD to change the BHL, Drill Plan, and Directional. BHL updated from NWNE 20' FNL & 1385' FEL to NENE 20' FNL & 1280' FEL. Please see the attached well plat, revised drill plan, and updated directional for reference. There is no additional surface disturbance included in this sundry.

NOI Attachments

Procedure Description

NUGGET6_31FEDCOM25H_VAM_DWC_C_HT_IS_5.500in_20ppf_P110RY_20250703070554.pdf

NUGGET6_31FEDCOM25H_NewRoads_20250703070536.pdf

NUGGET6_31FEDCOM25H_Existing_Roads_20250703070524.pdf

NUGGET6_31FEDCOM25H_DrillPlan_20250703070513.pdf

Nugget6_31FedCom25H_DirectPlan_20250703070501.pdf

NUGGET6_31FEDCOM25H_Combined_Blanket_Design_20250703070447.pdf

NUGGET6_31FEDCOM25H_C102_20250703070434.pdf

NUGGET6_31FEDCOM25H_BOPBreakTestingVariance2025_20250703070422.pdf

NUGGET6_31FEDCOM25H_Blanket_Design_A_Pad_Review_Document_20250703070408.pdf

Well Name: NUGGET 6_31 FEDERAL COM

Well Location: T24S / R31E / SEC 6 / SWSE / 32.2425886 / -103.81317

County or Parish/State: EDDY / NM

Well Number: 25H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM82904

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001556049

Operator: OXY USA INCORPORATED

NUGGET6_31FEDCOM25H_APDChangeWorksheet_20250703070351.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SARA GUTHRIE

Signed on: JUL 03, 2025 07:07 AM

Name: OXY USA INCORPORATED

Title: Regulatory Advisor

Street Address: 5 GREENWAY PLAZA SUITE 110

City: HOUSTON **State:** TX

Phone: (713) 497-2851

Email address: SARA_GUTHRIE@OXY.COM

Field

Representative Name: Michael Wilson

Street Address:

City: **State:** **Zip:**

Phone: (575)631-6618

Email address: michael_wilson@oxy.com

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY

BLM POC Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Approved

Disposition Date: 11/07/2025

Signature: KEITH IMMATTY

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

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.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 perfonned 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 detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

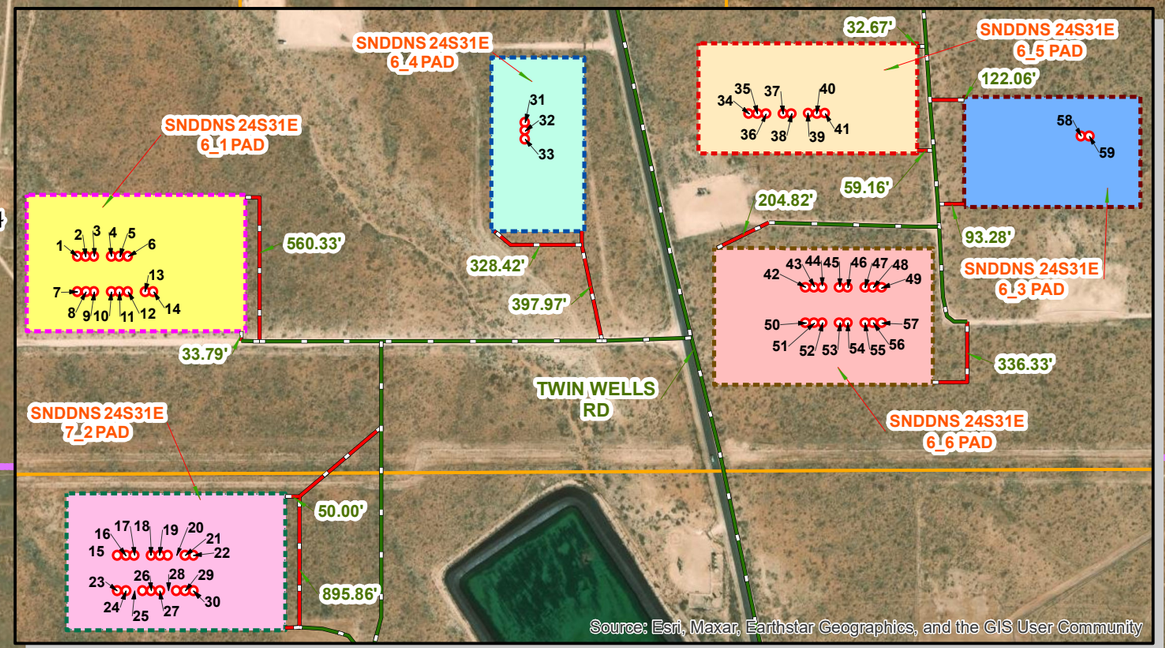
0. SHL: SWSE / 1264 FSL / 1482 FEL / TWSP: 24S / RANGE: 31E / SECTION: 6 / LAT: 32.2425886 / LONG: -103.81317 (TVD: 0 feet, MD: 0 feet)

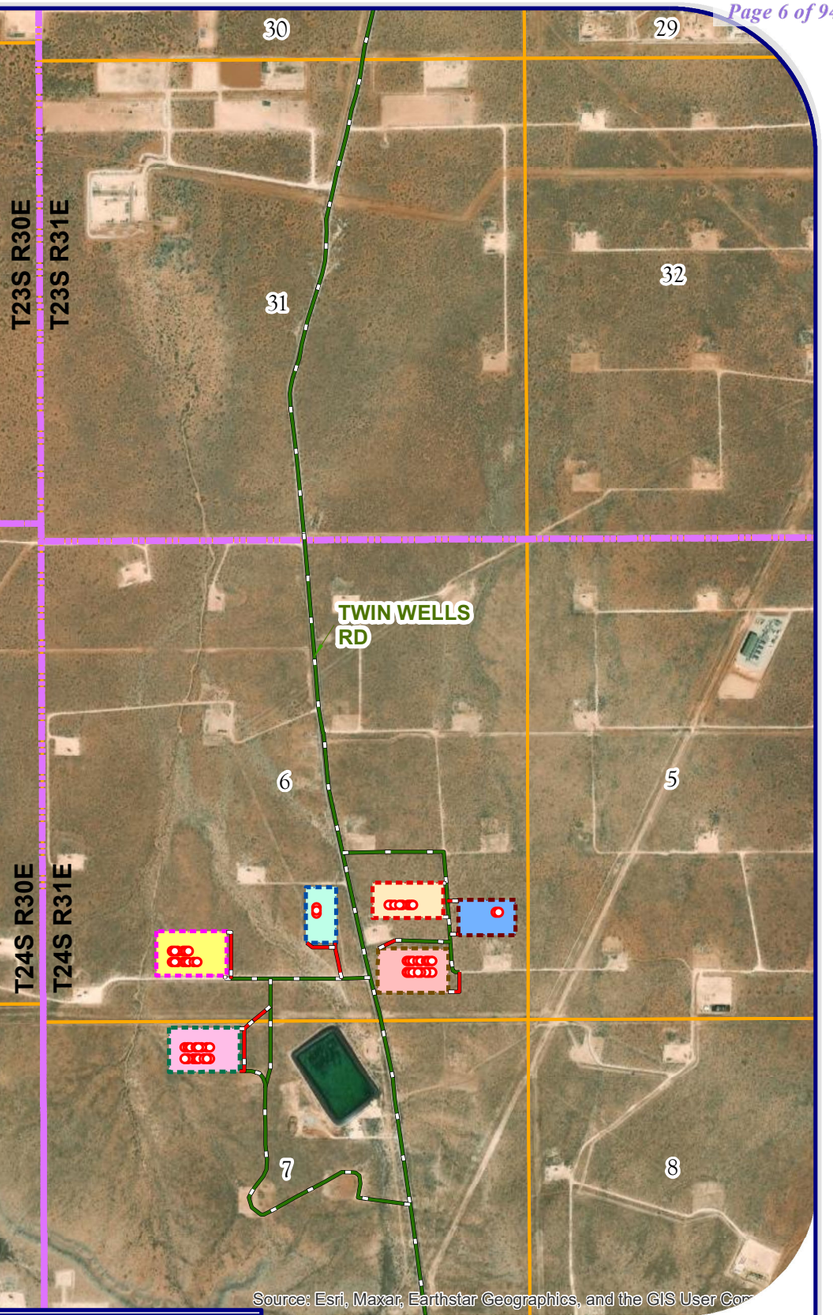
PPP: SWSE / 100 FSL / 1385 FEL / TWSP: 24S / RANGE: 31E / SECTION: 6 / LAT: 32.2393902 / LONG: -103.8128637 (TVD: 8673 feet, MD: 9100 feet)

PPP: SWSE / 0 FSL / 1393 FEL / TWSP: 23S / RANGE: 31E / SECTION: 31 / LAT: 32.2536564 / LONG: -103.8128503 (TVD: 8688 feet, MD: 14291 feet)

BHL: NWNE / 20 FNL / 1385 FEL / TWSP: 23S / RANGE: 31E / SECTION: 31 / LAT: 32.2681224 / LONG: -103.8128372 (TVD: 8688 feet, MD: 19554 feet)

INDEX	WELL NAME	ELEVATION	FNL/FSL	FEL/FWL
1	JEFF SMITH MDP1 7_18 FED COM 43H	3447'	768' FSL	1445' FWL
2	JEFF SMITH MDP1 7_18 FED COM 48H	3447'	768' FSL	1475' FWL
3	JEFF SMITH MDP1 7_18 FED COM 44H	3448'	768' FSL	1505' FWL
4	JEFF SMITH MDP1 7_18 FED COM 21H	3449'	768' FSL	1565' FWL
5	JEFF SMITH MDP1 7_18 FED COM 22H	3449'	767' FSL	1595' FWL
6	JEFF SMITH MDP1 7_18 FED COM 23H	3450'	767' FSL	1625' FWL
7	NUGGET 6_31 FED COM 41H	3448'	643' FSL	1445' FWL
8	NUGGET 6_31 FED COM 47H	3449'	643' FSL	1475' FWL
9	NUGGET 6_31 FED COM 42H	3450'	643' FSL	1505' FWL
10	NUGGET 6_31 FED COM 31H	3451'	643' FSL	1565' FWL
11	NUGGET 6_31 FED COM 32H	3452'	642' FSL	1595' FWL
12	NUGGET 6_31 FED COM 33H	3451'	642' FSL	1625' FWL
13	NUGGET 6_31 FED COM 4H	3452'	642' FSL	1685' FWL
14	NUGGET 6_31 FED COM 5H	3452'	642' FSL	1714' FWL
15	JEFF SMITH MDP1 7_18 FED COM 31H	3467'	293' FNL	1582' FWL
16	JEFF SMITH MDP1 7_18 FED COM 32H	3467'	293' FNL	1612' FWL
17	JEFF SMITH MDP1 7_18 FED COM 33H	3468'	293' FNL	1642' FWL
18	JEFF SMITH MDP1 7_18 FED COM 41H	3469'	294' FNL	1702' FWL
19	JEFF SMITH MDP1 7_18 FED COM 47H	3469'	294' FNL	1732' FWL
20	JEFF SMITH MDP1 7_18 FED COM 42H	3469'	294' FNL	1762' FWL
21	JEFF SMITH MDP1 7_18 FED COM 11H	3470'	294' FNL	1822' FWL
22	JEFF SMITH MDP1 7_18 FED COM 12H	3470'	294' FNL	1852' FWL
23	NUGGET 6_31 FED COM 11H	3467'	418' FNL	1582' FWL
24	NUGGET 6_31 FED COM 12H	3468'	418' FNL	1612' FWL
25	NUGGET 6_31 FED COM 21H	3470'	418' FNL	1672' FWL
26	NUGGET 6_31 FED COM 22H	3471'	419' FNL	1702' FWL
27	NUGGET 6_31 FED COM 23H	3472'	419' FNL	1732' FWL
28	NUGGET 6_31 FED COM 43H	3472'	419' FNL	1792' FWL
29	NUGGET 6_31 FED COM 48H	3473'	419' FNL	1822' FWL
30	NUGGET 6_31 FED COM 44H	3472'	419' FNL	1852' FWL
31	JEFF SMITH MDP1 7_18 FED COM 1H	3452'	1237' FSL	2307' FEL
32	JEFF SMITH MDP1 7_18 FED COM 2H	3453'	1207' FSL	2307' FEL
33	JEFF SMITH MDP1 7_18 FED COM 3H	3452'	1177' FSL	2307' FEL
34	NUGGET 6_31 FED COM 24H	3458'	1264' FSL	1513' FEL
35	NUGGET 6_31 FED COM 25H	3458'	1264' FSL	1482' FEL
36	NUGGET 6_31 FED COM 26H	3457'	1263' FSL	1453' FEL
37	JEFF SMITH MDP1 7_18 FED COM 49H	3457'	1263' FSL	1393' FEL
38	JEFF SMITH MDP1 7_18 FED COM 45H	3457'	1263' FSL	1362' FEL
39	NUGGET 6_31 FED COM 6H	3458'	1263' FSL	1302' FEL
40	NUGGET 6_31 FED COM 46H	3458'	1263' FSL	1272' FEL
41	NUGGET 6_31 FED COM 50H	3457'	1263' FSL	1242' FEL
42	JEFF SMITH MDP1 7_18 FED COM 24H	3464'	646' FSL	1314' FEL
43	JEFF SMITH MDP1 7_18 FED COM 25H	3464'	646' FSL	1284' FEL
44	JEFF SMITH MDP1 7_18 FED COM 26H	3464'	646' FSL	1254' FEL
45	JEFF SMITH MDP1 7_18 FED COM 13H	3465'	645' FSL	1194' FEL
46	JEFF SMITH MDP1 7_18 FED COM 14H	3465'	645' FSL	1164' FEL
47	JEFF SMITH MDP1 7_18 FED COM 34H	3466'	645' FSL	1104' FEL
48	JEFF SMITH MDP1 7_18 FED COM 35H	3466'	645' FSL	1074' FEL
49	JEFF SMITH MDP1 7_18 FED COM 36H	3466'	645' FSL	1044' FEL
50	NUGGET 6_31 FED COM 34H	3467'	521' FSL	1314' FEL
51	NUGGET 6_31 FED COM 35H	3466'	521' FSL	1284' FEL
52	NUGGET 6_31 FED COM 36H	3466'	521' FSL	1254' FEL
53	NUGGET 6_31 FED COM 49H	3468'	520' FSL	1194' FEL
54	NUGGET 6_31 FED COM 45H	3468'	520' FSL	1164' FEL
55	NUGGET 6_31 FED COM 13H	3470'	520' FSL	1104' FEL
56	NUGGET 6_31 FED COM 14H	3470'	520' FSL	1074' FEL
57	NUGGET 6_31 FED COM 7H	3470'	520' FSL	1044' FEL
58	JEFF SMITH MDP1 7_18 FED COM 46H	3455'	1178' FSL	335' FEL
59	JEFF SMITH MDP1 7_18 FED COM 50H	3455'	1178' FSL	305' FEL





WELLS
Proposed_Road
Existing_Road
FACILITY
SNDDNS_T24SR31E_6_1-PAD
SNDDNS_T24SR31E_6_3-PAD
SNDDNS_T24SR31E_6_4-PAD
SNDDNS_T24SR31E_6_5-PAD
SNDDNS_T24SR31E_6_6-PAD
SNDDNS_T24SR31E_7_2-PAD
Township-Range
SECTIONS

JEFF SMITH 7-18/NUGGET 6-31

OVERALL IMAGERY MAP Draft Date: 6/12/2025 Rev: 3

Section: 6, 7 TWN-RNG: T24S - R31E County: EDDY

TOTAL 30' WIDE PROPOSED LEASE ROAD EASEMENT:
3,114.69 FEET (188.77 RODS)

1 inch = 1,667 feet

0 550 1,100 2,200 Feet

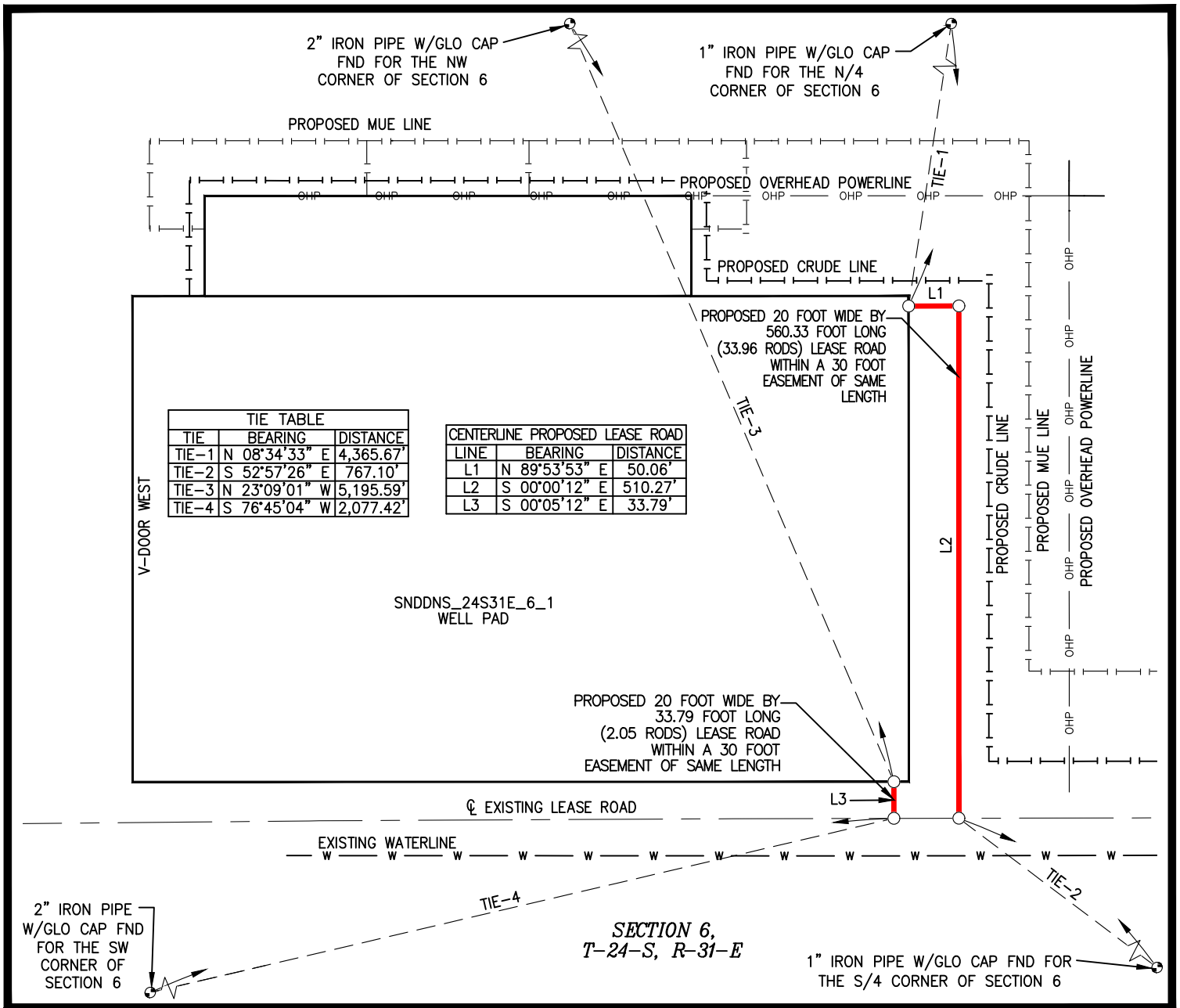
DELTA FIELD SERVICES

OXY

SITE PLAN

SNDDNS_24S31E_6_1
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

75' 0' 75' 150'
SCALE: 1" = 150'



TIE TABLE		
TIE	BEARING	DISTANCE
TIE-1	N 08°34'33" E	4,365.67'
TIE-2	S 52°57'26" E	767.10'
TIE-3	N 23°09'01" W	5,195.59'
TIE-4	S 76°45'04" W	2,077.42'

CENTERLINE PROPOSED LEASE ROAD		
LINE	BEARING	DISTANCE
L1	N 89°53'53" E	50.06'
L2	S 00°00'12" E	510.27'
L3	S 00°05'12" E	33.79'

07/20/2023	11/02/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

2	12/11/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JANUARY 10, 2025

DELTA FIELD SERVICES

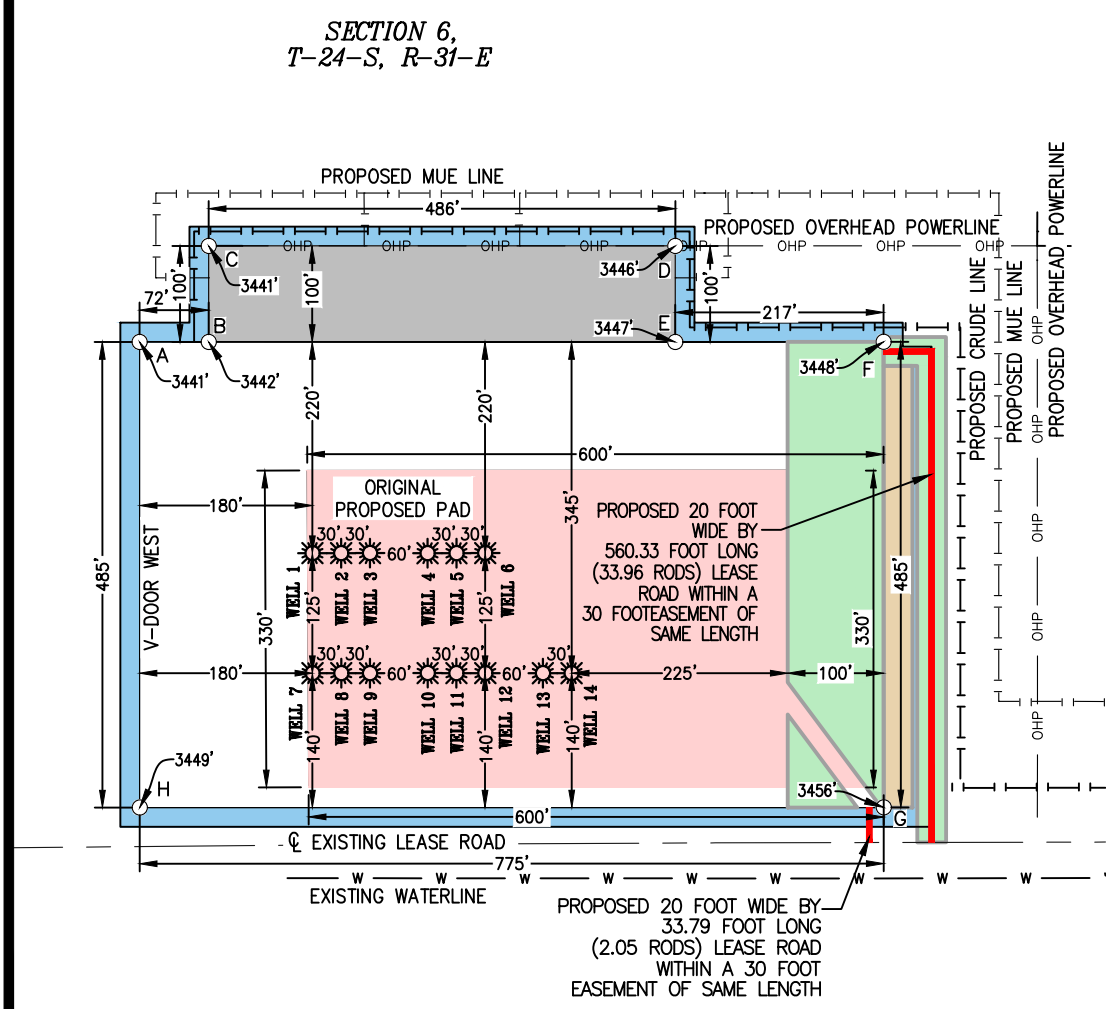
PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS
SHEET 1 OF 4

SITE PLAN

SNDDNS_24S31E_6_1
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

TANK BATTERY
RECLAMATION
30' TOP SOIL
20' DISTURBANCE AREA
ORIGINAL PAD

100' 0' 100' 200'
SCALE: 1" = 200'



NAD 83		
A	E: (X)699564.30 N: (Y)452090.02	LAT: 32.24183487 LON: -103.82155978
B	E: (X)699636.30 N: (Y)452090.02	LAT: 32.24183393 LON: -103.82132689
C	E: (X)699636.31 N: (Y)452190.01	LAT: 32.24210879 LON: -103.82132532
D	E: (X)700122.38 N: (Y)452190.00	LAT: 32.24210238 LON: -103.81975322
E	E: (X)700122.31 N: (Y)452090.01	LAT: 32.24182753 LON: -103.81975499
F	E: (X)700339.27 N: (Y)452090.07	LAT: 32.24182484 LON: -103.81905326
G	E: (X)700339.48 N: (Y)451605.04	LAT: 32.24049159 LON: -103.81906010
H	E: (X)699564.38 N: (Y)451604.93	LAT: 32.24050148 LON: -103.82156698

NAD 27		
A	E: (X)658380.46 N: (Y)452030.96	LAT: 32.24171178 LON: -103.82107447
B	E: (X)658452.46 N: (Y)452030.96	LAT: 32.24171084 LON: -103.82084160
C	E: (X)658452.47 N: (Y)452130.95	LAT: 32.24198569 LON: -103.82084001
D	E: (X)658938.54 N: (Y)452130.94	LAT: 32.24197928 LON: -103.81926795
E	E: (X)658938.47 N: (Y)452030.95	LAT: 32.24170442 LON: -103.81926973
F	E: (X)659155.43 N: (Y)452031.01	LAT: 32.24170173 LON: -103.81856803
G	E: (X)659155.62 N: (Y)451545.99	LAT: 32.24036847 LON: -103.81857492
H	E: (X)658380.52 N: (Y)451545.88	LAT: 32.24037836 LON: -103.82108174

07/20/2023	11/02/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

2	12/11/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT
NEW MEXICO
21653
PROFESSIONAL SURVEYOR

JANUARY 10, 2025

DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS
SHEET 2 OF 4

JOB No. 0XY_0029_JS

SNDDNS_24S31E_6_1
SITE PLAN
SECTION 6, T-24-S, R-31-E, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

200' 0' 200' 400'
SCALE: 1" = 400'

N GRID NORTH

2" IRON PIPE W/GLO CAP
FND FOR NW COR. SEC. 6

1" IRON PIPE W/GLO CAP
FND FOR N/4 COR. SEC. 6

2" IRON PIPE W/GLO CAP
FND FOR NE COR. SEC. 6

NW 1/4

NE 1/4

1" IRON PIPE W/GLO CAP
FND FOR E/4 COR. SEC. 1

1" IRON PIPE W/GLO CAP
FND FOR W/4 COR. SEC. 6

T24S-R29E

6

BUREAU OF
LAND MANAGEMENT

SW 1/4

SE 1/4

SEE DETAIL "A"

3" IRON PIPE W/GLO CAP
FND FOR SE COR. SEC. 1

TIE-1

TIE-2

1" IRON PIPE W/GLO CAP
FND FOR S/4 COR. SEC. 6

2" IRON PIPE W/GLO CAP
FND FOR SW COR. SEC 6

2" IRON PIPE W/GLO CAP
FND FOR SE COR. SEC. 6

SURFACE USE AREA DESCRIPTION

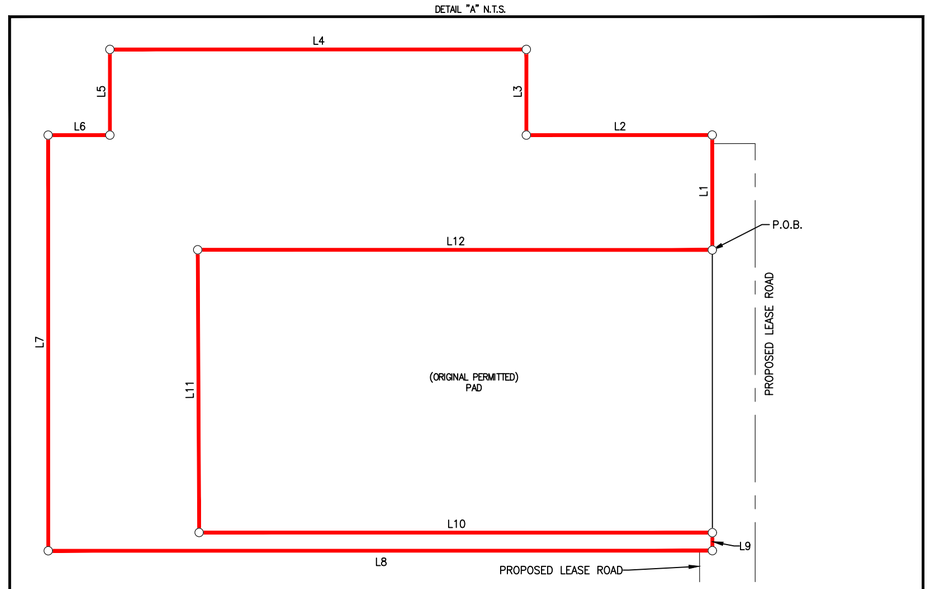
Beginning (POINT OF BEGINNING) at a point from which a 1 inch iron pipe with GLO cap found for the South quarter corner of said Section 6 bears S 37°58'59" E a distance of 1,076.21 feet.

THENCE crossing Section 6 the following courses and distances:

N 00°01'28" W a distance of 134.08 feet, S 89°59'03" W a distance of 216.97 feet,
N 00°02'25" E a distance of 99.99 feet, N 89°59'55" W a distance of 486.07 feet,
S 00°00'21" W a distance of 99.99 feet, S 89°59'54" W a distance of 72.01 feet,
S 00°00'37" E a distance of 485.08 feet, from which a 2 inch iron pipe with a GLO cap found for the Southwest corner of said Section 6 bears S 68°00'12" W bears a distance of 1,361.08 feet.
N 89°59'32" E a distance of 775.10 feet, N 00°01'28" W a distance of 20.95 feet,
N 89°59'02" W a distance of 598.99 feet, N 00°17'06" W a distance of 330.00 feet, and S 89°59'03" E a distance of 600.49 feet to the PLACE OF BEGINNING.

The total described proposed well pad in said Section 6, contains 5.20 acres of land. Said proposed well pad being located in section 6, Township 24 South, Range 29 East, N.M.P.M, Eddy County, New Mexico.

DETAIL "A" N.T.S.



LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 00°01'28" W	134.08'
L2	S 89°59'03" W	216.97'
L3	N 00°02'25" E	99.99'
L4	N 89°59'55" W	486.07'
L5	S 00°00'21" W	99.99'
L6	S 89°59'54" W	72.01'
L7	S 00°00'37" E	485.08'
L8	N 89°59'32" E	775.10'
L9	N 00°01'28" W	20.95'
L10	N 89°59'02" W	598.99'
L11	N 00°17'06" W	330.00'
L12	S 89°59'03" E	600.49'

TIE TABLE		
LINE	BEARING	DISTANCE
TIE-1	S 37°58'59" E	1,076.21'
TIE-2	S 68°00'12" W	1,361.08'

SHEET 3 OF 4

CERTIFICATION

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JANUARY 10, 2025

LEGEND

PERMANENT EASEMENT	TOWNSHIP/RANGE LINE
W W W EXISTING WATER LINE	PROPERTY LINE
CENTERLINE OF LEASE ROAD	EDGE OF ROAD
SWD SWD SWD EXISTING SALT WATER LINE	FO FO FO FIBER OPTIC LINE
PAD LINE	FOUND MONUMENT
LOT/QUARTER LINE	CALCULATED MONUMENT
PROPOSED CENTERLINE	POWER POLE
EXISTING PIPELINES	QUARTER SPLIT
OHP OHP OVERHEAD POWERLINE	
SURVEY/SECTION LINE	

CERTIFICATION

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

NOTES

BASIS OF BEARING
ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

OXY

SNDDNS_24S31E_6_1 WELL PAD
CROSSING THE PROPERTY OF
BUREAU OF LAND MANAGEMENT
EDDY COUNTY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY	CHKD
2	12/11/2024	GENERAL REVISIONS	ERR	GDG

SHEET 3 OF 4
DRAWN BY: TCS
DATE DRAWN: 11/02/2023
CHECKED BY: GDG

DELTA FIELD SERVICES

DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
(318) 323-6900

SITE PLAN

SNDDNS_24S31E_6_1
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

WELL 1
JEFF SMITH MDP1 7_18 FED COM 43H
OXY USA, INC.
768' FSL 1,445' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699744.40' / Y:451869.98'
LAT:32.24122768N / LON:103.82098066W
NAD 27, SPCS NM EAST
X:658560.55' / Y:451810.93'
LAT:32.24110457N / LON:103.82049540W
ELEVATION = 3447'

WELL 2
JEFF SMITH MDP1 7_18 FED COM 48H
OXY USA, INC.
768' FSL 1,475' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699774.27' / Y:451869.96'
LAT:32.24122723N / LON:103.82088406W
NAD 27, SPCS NM EAST
X:658590.42' / Y:451810.90'
LAT:32.24110412N / LON:103.82039880W
ELEVATION = 3447'

WELL 3
JEFF SMITH MDP1 7_18 FED COM 44H
OXY USA, INC.
768' FSL 1,505' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699804.25' / Y:451870.02'
LAT:32.24122700N / LON:103.82078709W
NAD 27, SPCS NM EAST
X:658620.40' / Y:451810.96'
LAT:32.24110389N / LON:103.82030184W
ELEVATION = 3448'

WELL 4
JEFF SMITH MDP1 7_18 FED COM 21H
OXY USA, INC.
768' FSL 1,565' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699864.29' / Y:451869.94'
LAT:32.24122599N / LON:103.82059290W
NAD 27, SPCS NM EAST
X:658680.44' / Y:451810.88'
LAT:32.24110288N / LON:103.82010766W
ELEVATION = 3449'

WELL 5
JEFF SMITH MDP1 7_18 FED COM 22H
OXY USA, INC.
767' FSL 1,595' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699894.39' / Y:451869.89'
LAT:32.24122546N / LON:103.82049555W
NAD 27, SPCS NM EAST
X:658710.54' / Y:451810.83'
LAT:32.24110235N / LON:103.82001031W
ELEVATION = 3449'

WELL 6
JEFF SMITH MDP1 7_18 FED COM 23H
OXY USA, INC.
767' FSL 1,625' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699924.32' / Y:451870.02'
LAT:32.24122543N / LON:103.82039875W
NAD 27, SPCS NM EAST
X:658740.47' / Y:451810.96'
LAT:32.24110231N / LON:103.81991350W
ELEVATION = 3450'

WELL 7
NUGGET 6_31 FED COM 41H
OXY USA, INC.
643' FSL 1,445' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699744.43' / Y:451744.92'
LAT:32.24088391N / LON:103.82098250W
NAD 27, SPCS NM EAST
X:658560.58' / Y:451685.87'
LAT:32.24076080N / LON:103.82049725W
ELEVATION = 3448'

WELL 8
NUGGET 6_31 FED COM 47H
OXY USA, INC.
643' FSL 1,475' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699774.37' / Y:451744.98'
LAT:32.24088368N / LON:103.82088566W
NAD 27, SPCS NM EAST
X:658590.52' / Y:451685.93'
LAT:32.24076057N / LON:103.82040041W
ELEVATION = 3449'

WELL 9
NUGGET 6_31 FED COM 42H
OXY USA, INC.
643' FSL 1,505' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699804.35' / Y:451744.91'
LAT:32.24088310N / LON:103.82078870W
NAD 27, SPCS NM EAST
X:658620.50' / Y:451685.89'
LAT:32.24075999N / LON:103.82030346W
ELEVATION = 3450'

WELL 10
NUGGET 6_31 FED COM 31H
OXY USA, INC.
643' FSL 1,565' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699864.37' / Y:451745.04'
LAT:32.24088267N / LON:103.82059457W
NAD 27, SPCS NM EAST
X:658680.52' / Y:451685.99'
LAT:32.24075956N / LON:103.82010934W
ELEVATION = 3451'

WELL 11
NUGGET 6_31 FED COM 32H
OXY USA, INC.
642' FSL 1,595' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699894.34' / Y:451744.98'
LAT:32.24088211N / LON:103.82049764W
NAD 27, SPCS NM EAST
X:658710.49' / Y:451685.93'
LAT:32.24075900N / LON:103.82001241W
ELEVATION = 3452'

WELL 12
NUGGET 6_31 FED COM 33H
OXY USA, INC.
642' FSL 1,625' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699924.45' / Y:451745.00'
LAT:32.24088177N / LON:103.82040026W
NAD 27, SPCS NM EAST
X:658740.60' / Y:451685.95'
LAT:32.24075866N / LON:103.81991503W
ELEVATION = 3451'

WELL 13
NUGGET 6_31 FED COM 4H
OXY USA, INC.
642' FSL 1,685' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:699984.38' / Y:451744.94'
LAT:32.24088082N / LON:103.82020643W
NAD 27, SPCS NM EAST
X:658800.53' / Y:451685.89'
LAT:32.24075771N / LON:103.81972120W
ELEVATION = 3452'

WELL 14
NUGGET 6_31 FED COM 5H
OXY USA, INC.
642' FSL 1,714' FWL, SECTION 6
NAD 83, SPCS NM EAST
X:700014.30' / Y:451744.94'
LAT:32.24088044N / LON:103.82010966W
NAD 27, SPCS NM EAST
X:658830.44' / Y:451685.89'
LAT:32.24075731N / LON:103.81962444W
ELEVATION = 3452'

07/20/2023	11/02/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

2	12/11/2024	ERR
REV.	DATE	BY

BASIS OF BEARING
ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833°.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

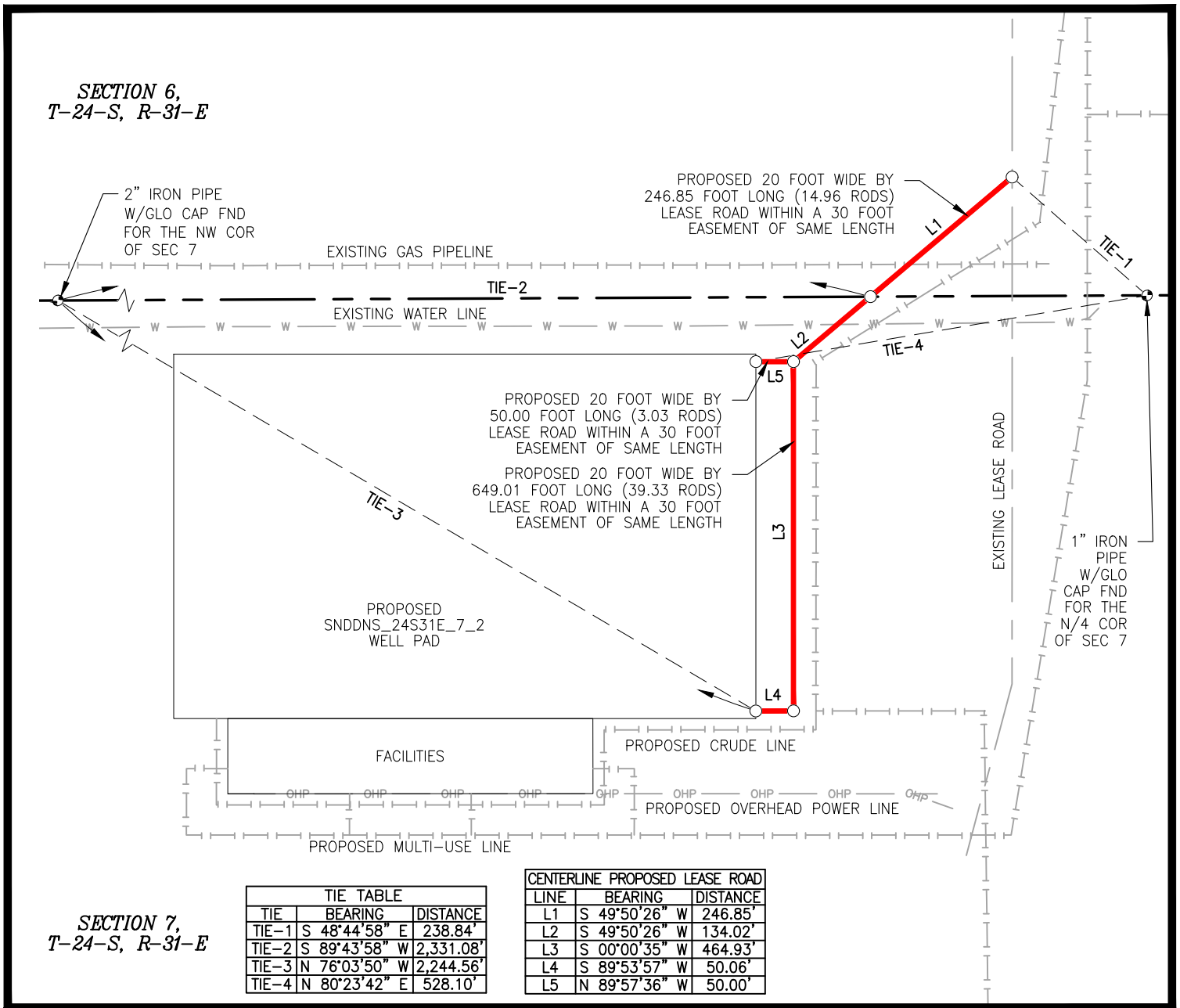
JANUARY 10, 2025

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS
SHEET 4 OF 4

SITE PLAN

SNDDNS_24S31E_7_2
SEC. 7 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

100' 0' 100' 200'
SCALE: 1" = 200'



TIE TABLE		
TIE	BEARING	DISTANCE
TIE-1	S 48°44'58" E	238.84'
TIE-2	S 89°43'58" W	2,331.08'
TIE-3	N 76°03'50" W	2,244.56'
TIE-4	N 80°23'42" E	528.10'

CENTERLINE PROPOSED LEASE ROAD		
LINE	BEARING	DISTANCE
L1	S 49°50'26" W	246.85'
L2	S 49°50'26" W	134.02'
L3	S 00°00'35" W	464.93'
L4	S 89°53'57" W	50.06'
L5	N 89°57'36" W	50.00'

07/20/2023	08/07/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

1	12/11/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833°.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

DECEMBER 18, 2024

DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS01
SHEET 1 OF 3

SITE PLAN

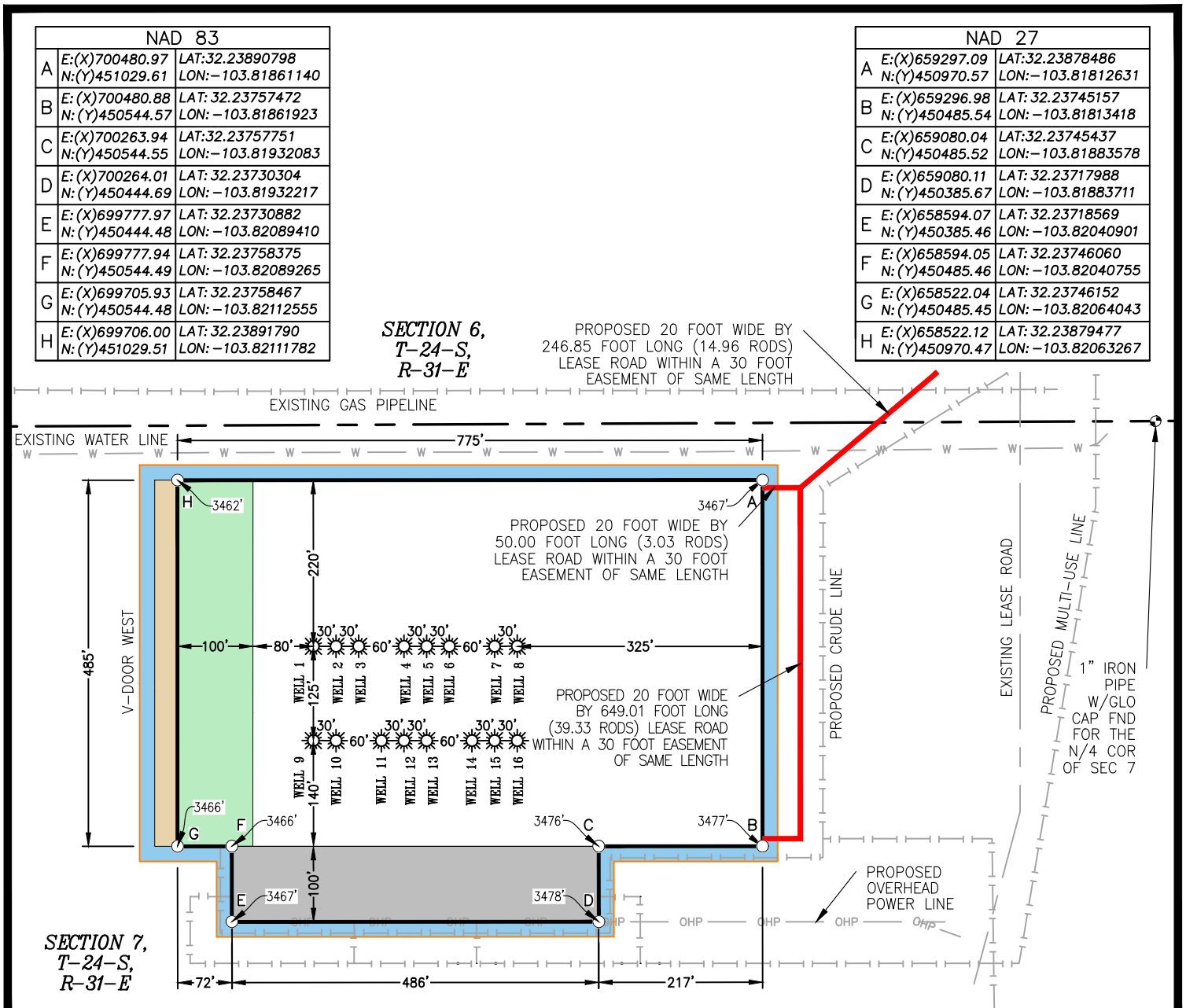
SNDDNS_24S31E_7_2
SEC. 7 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

TANK BATTERY
RECLAMATION
30' TOP SOIL
20' DISTURBANCE AREA

100' 0' 100' 200'
SCALE: 1" = 200'

NAD 83		
A	E:(X)700480.97 N:(Y)451029.61	LAT:32.23890798 LON:-103.81861140
B	E:(X)700480.88 N:(Y)450544.57	LAT:32.23757472 LON:-103.81861923
C	E:(X)700263.94 N:(Y)450544.55	LAT:32.23757751 LON:-103.81932083
D	E:(X)700264.01 N:(Y)450444.69	LAT:32.23730304 LON:-103.81932217
E	E:(X)699777.97 N:(Y)450444.48	LAT:32.23730882 LON:-103.82089410
F	E:(X)699777.94 N:(Y)450544.49	LAT:32.23758375 LON:-103.82089265
G	E:(X)699705.93 N:(Y)450544.48	LAT:32.23758467 LON:-103.82112555
H	E:(X)699706.00 N:(Y)451029.51	LAT:32.23891790 LON:-103.82111782

NAD 27		
A	E:(X)659297.09 N:(Y)450970.57	LAT:32.23878486 LON:-103.81812631
B	E:(X)659296.98 N:(Y)450485.54	LAT:32.23745157 LON:-103.81813418
C	E:(X)659080.04 N:(Y)450485.52	LAT:32.23745437 LON:-103.81883578
D	E:(X)659080.11 N:(Y)450385.67	LAT:32.23717988 LON:-103.81883711
E	E:(X)658594.07 N:(Y)450385.46	LAT:32.23718569 LON:-103.82040901
F	E:(X)658594.05 N:(Y)450485.46	LAT:32.23746060 LON:-103.82040755
G	E:(X)658522.04 N:(Y)450485.45	LAT:32.23746152 LON:-103.82064043
H	E:(X)658522.12 N:(Y)450970.47	LAT:32.23879477 LON:-103.82063267



07/20/2023	08/07/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

1	12/11/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

DECEMBER 18, 2024

DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS01
SHEET 2 OF 3

SITE PLAN

SNDDNS_24S31E_7_2
SEC. 7 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

WELL 1
JEFF SMITH MDP1 7_18 FED COM 31H
OXY USA, INC.
293' FNL 1,582' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:699886.04' / Y:450809.50'
LAT:32.23831078N / LON:103.82053893W
NAD 27, SPCS NM EAST
X:658702.15' / Y:450750.47'
LAT:32.23818764N / LON:103.82005382W
ELEVATION = 3467'

WELL 2
JEFF SMITH MDP1 7_18 FED COM 32H
OXY USA, INC.
293' FNL 1,612' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:699915.98' / Y:450809.51'
LAT:32.23831042N / LON:103.82044210W
NAD 27, SPCS NM EAST
X:658732.09' / Y:450750.48'
LAT:32.23818728N / LON:103.81995699W
ELEVATION = 3467'

WELL 3
JEFF SMITH MDP1 7_18 FED COM 33H
OXY USA, INC.
293' FNL 1,642' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:699946.00' / Y:450809.50'
LAT:32.23830999N / LON:103.82034501W
NAD 27, SPCS NM EAST
X:658762.11' / Y:450750.47'
LAT:32.23818685N / LON:103.81985990W
ELEVATION = 3468'

WELL 4
JEFF SMITH MDP1 7_18 FED COM 41H
OXY USA, INC.
294' FNL 1,702' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700005.96' / Y:450809.54'
LAT:32.23830932N / LON:103.82015109W
NAD 27, SPCS NM EAST
X:658822.07' / Y:450750.51'
LAT:32.23818618N / LON:103.81966598W
ELEVATION = 3469'

WELL 5
JEFF SMITH MDP1 7_18 FED COM 47H
OXY USA, INC.
294' FNL 1,732' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700035.95' / Y:450809.48'
LAT:32.23830876N / LON:103.82005410W
NAD 27, SPCS NM EAST
X:658852.06' / Y:450750.45'
LAT:32.23818562N / LON:103.81956899W
ELEVATION = 3469'

WELL 6
JEFF SMITH MDP1 7_18 FED COM 42H
OXY USA, INC.
294' FNL 1,762' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700066.08' / Y:450809.50'
LAT:32.23830842N / LON:103.81995665W
NAD 27, SPCS NM EAST
X:658882.20' / Y:450750.47'
LAT:32.23818528N / LON:103.81947154W
ELEVATION = 3469'

WELL 7
JEFF SMITH MDP1 7_18 FED COM 11H
OXY USA, INC.
294' FNL 1,822' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700126.10' / Y:450809.43'
LAT:32.23830744N / LON:103.81976254W
NAD 27, SPCS NM EAST
X:658942.21' / Y:450750.40'
LAT:32.23818429N / LON:103.81927744W
ELEVATION = 3470'

WELL 8
JEFF SMITH MDP1 7_18 FED COM 12H
OXY USA, INC.
294' FNL 1,852' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700156.01' / Y:450809.58'
LAT:32.23830746N / LON:103.81966580W
NAD 27, SPCS NM EAST
X:658972.12' / Y:450750.55'
LAT:32.23818431N / LON:103.81918070W
ELEVATION = 3470'

WELL 9
NUGGET 6_31 FED COM 11H
OXY USA, INC.
418' FNL 1,582' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:699885.94' / Y:450684.56'
LAT:32.23796735N / LON:103.82054119W
NAD 27, SPCS NM EAST
X:658702.05' / Y:450625.53'
LAT:32.23784421N / LON:103.82005608W
ELEVATION = 3467'

WELL 10
NUGGET 6_31 FED COM 12H
OXY USA, INC.
418' FNL 1,612' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:699915.99' / Y:450684.51'
LAT:32.23796682N / LON:103.82044400W
NAD 27, SPCS NM EAST
X:658732.10' / Y:450625.48'
LAT:32.23784368N / LON:103.81995891W
ELEVATION = 3468'

WELL 11
NUGGET 6_31 FED COM 21H
OXY USA, INC.
418' FNL 1,672' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:699975.94' / Y:450684.47'
LAT:32.23796592N / LON:103.82025011W
NAD 27, SPCS NM EAST
X:658792.05' / Y:450625.44'
LAT:32.23784278N / LON:103.81976502W
ELEVATION = 3470'

WELL 12
NUGGET 6_31 FED COM 22H
OXY USA, INC.
419' FNL 1,702' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700005.99' / Y:450684.49'
LAT:32.23796558N / LON:103.82015292W
NAD 27, SPCS NM EAST
X:658822.10' / Y:450625.46'
LAT:32.23784244N / LON:103.81966784W
ELEVATION = 3471'

WELL 13
NUGGET 6_31 FED COM 23H
OXY USA, INC.
419' FNL 1,732' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700036.01' / Y:450684.53'
LAT:32.23796530N / LON:103.82005583W
NAD 27, SPCS NM EAST
X:658852.12' / Y:450625.50'
LAT:32.23784216N / LON:103.81957075W
ELEVATION = 3472'

WELL 14
NUGGET 6_31 FED COM 43H
OXY USA, INC.
419' FNL 1,792' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700095.99' / Y:450684.50'
LAT:32.23796443N / LON:103.81986185W
NAD 27, SPCS NM EAST
X:658912.10' / Y:450625.47'
LAT:32.23784128N / LON:103.81937676W
ELEVATION = 3472'

WELL 15
NUGGET 6_31 FED COM 48H
OXY USA, INC.
419' FNL 1,822' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700125.96' / Y:450684.54'
LAT:32.23796414N / LON:103.81976492W
NAD 27, SPCS NM EAST
X:658942.07' / Y:450625.51'
LAT:32.23784100N / LON:103.81927984W
ELEVATION = 3473'

WELL 16
NUGGET 6_31 FED COM 44H
OXY USA, INC.
419' FNL 1,852' FWL, SECTION 7
NAD 83, SPCS NM EAST
X:700156.00' / Y:450684.52'
LAT:32.23796369N / LON:103.81966776W
NAD 27, SPCS NM EAST
X:658972.11' / Y:450625.49'
LAT:32.23784055N / LON:103.81918269W
ELEVATION = 3472'

07/20/2023	08/07/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

1	12/11/2024	ERR
REV.	DATE	BY

BASIS OF BEARING
ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

DECEMBER 18, 2024

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

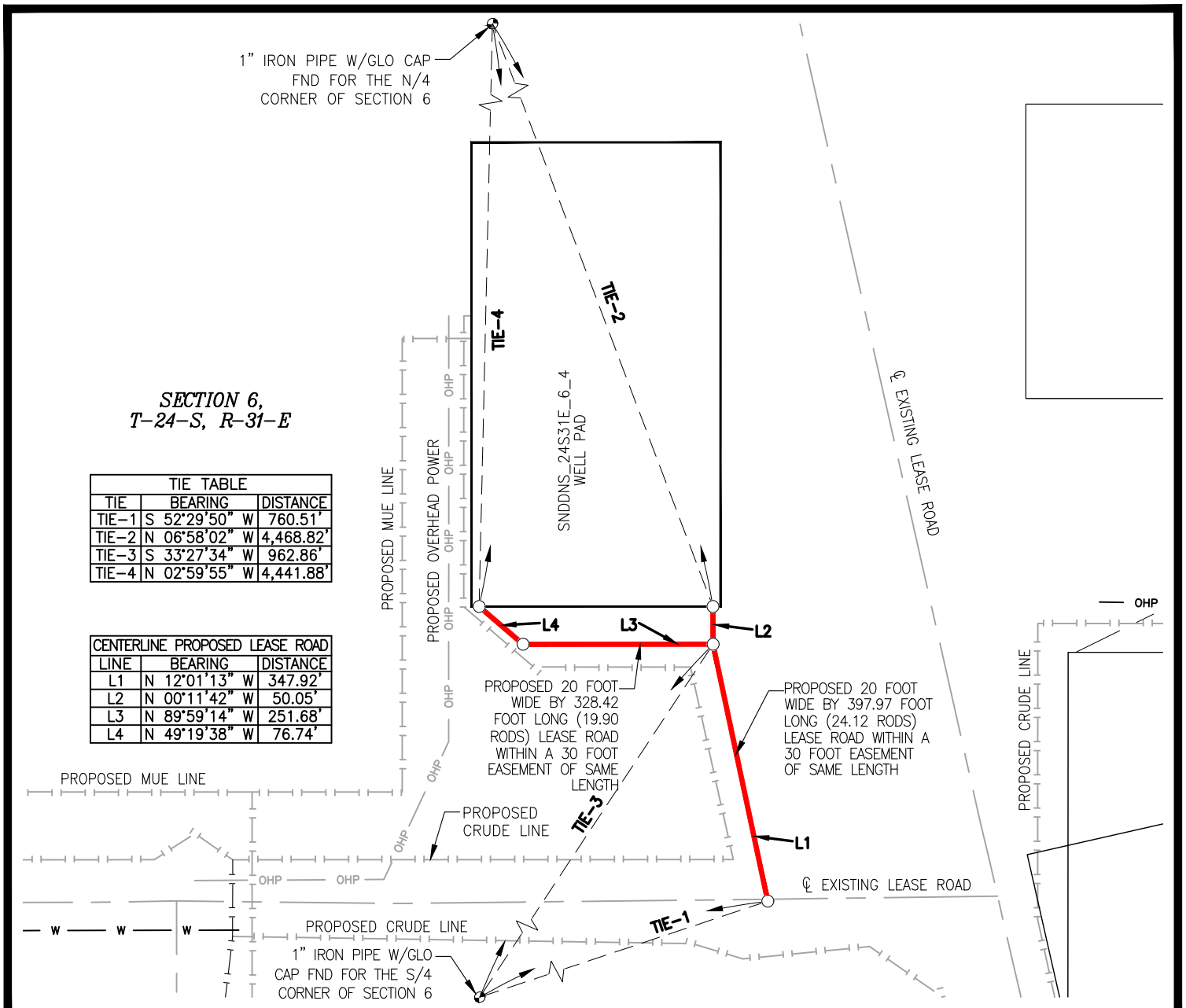
DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS01
SHEET 3 OF 3

SITE PLAN

SNDDNS_24S31E_6_4
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

100' 0' 100' 200'
SCALE: 1" = 200'



TIE TABLE		
TIE	BEARING	DISTANCE
TIE-1	S 52°29'50" W	760.51'
TIE-2	N 06°58'02" W	4,468.82'
TIE-3	S 33°27'34" W	962.86'
TIE-4	N 02°59'55" W	4,441.88'

CENTERLINE PROPOSED LEASE ROAD		
LINE	BEARING	DISTANCE
L1	N 12°01'13" W	347.92'
L2	N 00°11'42" W	50.05'
L3	N 89°59'14" W	251.68'
L4	N 49°19'38" W	76.74'

07/20/2023	08/18/2023
DATE SURVEYED	DATE DRAWN

I, JOHN M. RUSSELL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 29049 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

1	12/13/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833°.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- ℄ — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

JOHN M RUSSELL NEW MEXICO 29049 PROFESSIONAL SURVEYOR

DECEMBER 30, 2024

DELTA FIELD SERVICES

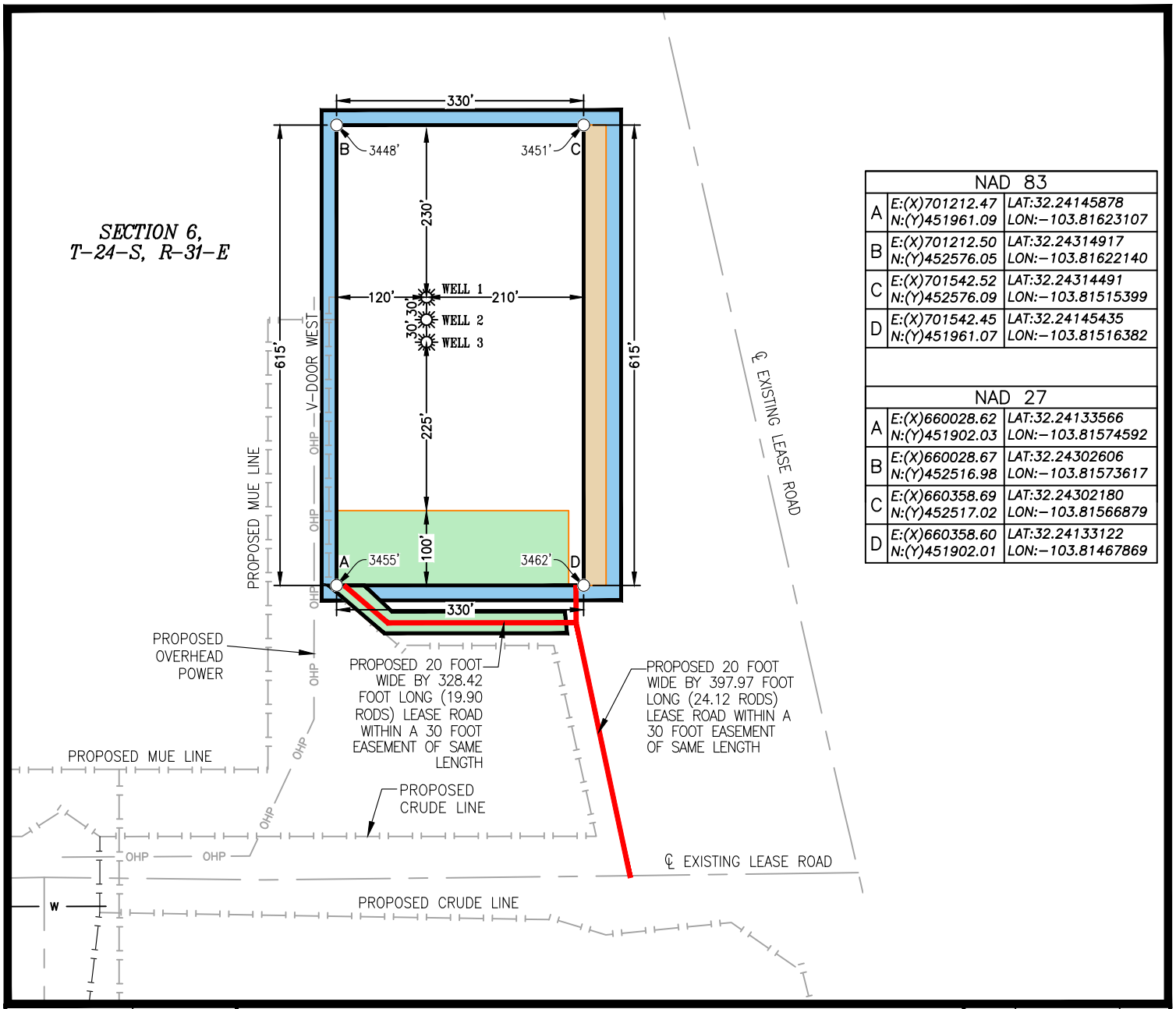
PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS04
SHEET 1 OF 3

SITE PLAN

SNDDNS_24S31E_6_4
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

TANK BATTERY
RECLAMATION
30' TOP SOIL
20' DISTURBANCE AREA

100' 0' 100' 200'
SCALE: 1" = 200'



NAD 83		
A	E:(X)701212.47 N:(Y)451961.09	LAT:32.24145878 LON:-103.81623107
B	E:(X)701212.50 N:(Y)452576.05	LAT:32.24314917 LON:-103.81622140
C	E:(X)701542.52 N:(Y)452576.09	LAT:32.24314491 LON:-103.81515399
D	E:(X)701542.45 N:(Y)451961.07	LAT:32.24145435 LON:-103.81516382

NAD 27		
A	E:(X)660028.62 N:(Y)451902.03	LAT:32.24133566 LON:-103.81574592
B	E:(X)660028.67 N:(Y)452516.98	LAT:32.24302606 LON:-103.81573617
C	E:(X)660358.69 N:(Y)452517.02	LAT:32.24302180 LON:-103.81566879
D	E:(X)660358.60 N:(Y)451902.01	LAT:32.24133122 LON:-103.81467869

07/20/2023	08/18/2023
DATE SURVEYED	DATE DRAWN

I, JOHN M. RUSSELL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 29049 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

1	12/13/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

JOHN M RUSSELL
NEW MEXICO
29049
PROFESSIONAL SURVEYOR

DECEMBER 30, 2024

DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS04
SHEET 2 OF 3

SITE PLAN

SNDDNS_24S31E_6_4
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

WELL 1
JEFF SMITH MDP1 7_18 FED COM 1H
OXY USA, INC.
1,237' FSL 2,307' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:701332.66' / Y:452345.95'
LAT:32.24251508N / LON:103.81583634W
NAD 27, SPCS NM EAST
X:660148.82' / Y:452286.88'
LAT:32.24239197N / LON:103.81535116W
ELEVATION = 3452'

WELL 2
JEFF SMITH MDP1 7_18 FED COM 2H
OXY USA, INC.
1,207' FSL 2,307' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:701332.47' / Y:452316.14'
LAT:32.24243314N / LON:103.81583740W
NAD 27, SPCS NM EAST
X:660148.63' / Y:452257.07'
LAT:32.24231003N / LON:103.81535220W
ELEVATION = 3453'

WELL 3
JEFF SMITH MDP1 7_18 FED COM 3H
OXY USA, INC.
1,177' FSL 2,307' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:701332.72' / Y:452286.00'
LAT:32.24235029N / LON:103.81583708W
NAD 27, SPCS NM EAST
X:660148.88' / Y:452226.94'
LAT:32.24222718N / LON:103.81535191W
ELEVATION = 3452'

07/20/2023	08/18/2023
DATE SURVEYED	DATE DRAWN

I, JOHN M. RUSSELL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 29049 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

1	12/13/2024	ERR
REV.	DATE	BY

BASIS OF BEARING
ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

JOHN M RUSSELL
NEW MEXICO
29049
PROFESSIONAL SURVEYOR

DECEMBER 30, 2024

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS04
SHEET 3 OF 3

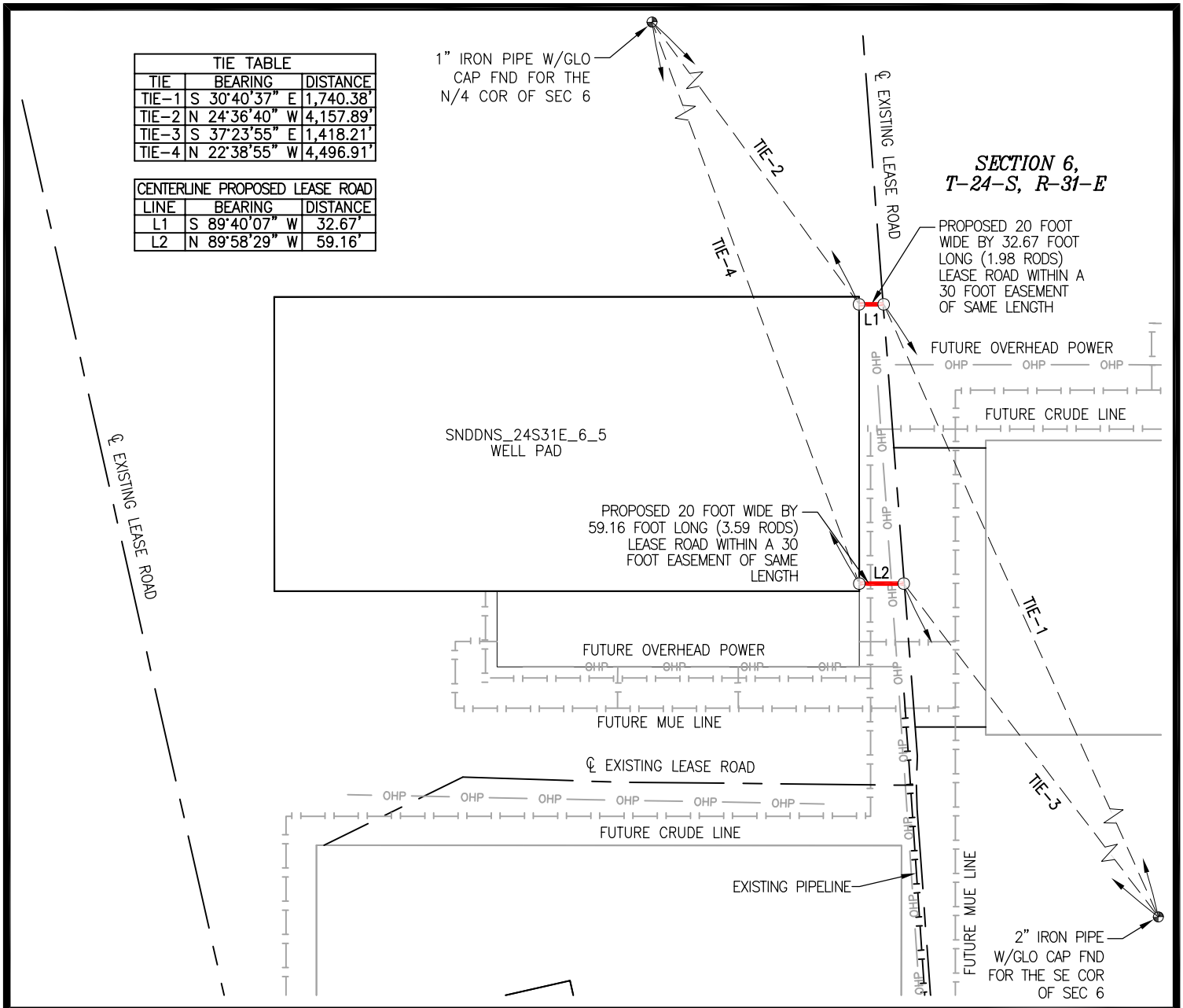
SITE PLAN

SNDDNS_24S31E_6_5
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

100' 0' 100' 200'
SCALE: 1" = 200'

TIE TABLE		
TIE	BEARING	DISTANCE
TIE-1	S 30°40'37" E	1,740.38'
TIE-2	N 24°36'40" W	4,157.89'
TIE-3	S 37°23'55" E	1,418.21'
TIE-4	N 22°38'55" W	4,496.91'

CENTERLINE PROPOSED LEASE ROAD		
LINE	BEARING	DISTANCE
L1	S 89°40'07" W	32.67'
L2	N 89°58'29" W	59.16'



07/20/2023	08/21/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

3	06/09/2025	ANC
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JUNE 12, 2025

DELTA FIELD SERVICES

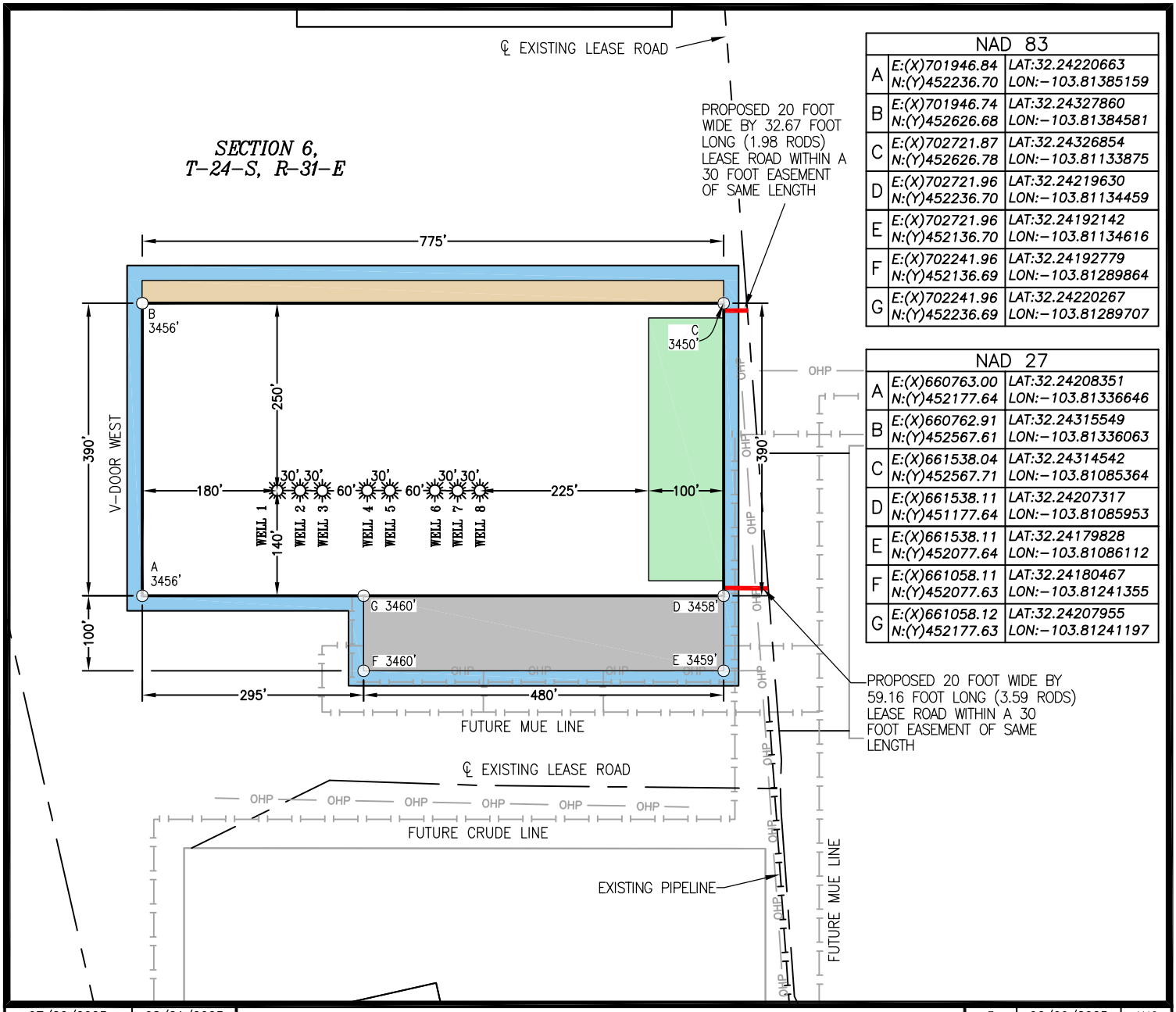
PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS05
SHEET 1 OF 3

SITE PLAN

SNDDNS_24S31E_6_5
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

TANK BATTERY
RECLAMATION
30' TOP SOIL
20' DISTURBANCE AREA

100' 0' 100' 200'
SCALE: 1" = 200'



NAD 83		
A	E:(X)701946.84 N:(Y)452236.70	LAT:32.24220663 LON:-103.81385159
B	E:(X)701946.74 N:(Y)452626.68	LAT:32.24327860 LON:-103.81384581
C	E:(X)702721.87 N:(Y)452626.78	LAT:32.24326854 LON:-103.81133875
D	E:(X)702721.96 N:(Y)452236.70	LAT:32.24219630 LON:-103.81134459
E	E:(X)702721.96 N:(Y)452136.70	LAT:32.24192142 LON:-103.81134616
F	E:(X)702241.96 N:(Y)452136.69	LAT:32.24192779 LON:-103.81289864
G	E:(X)702241.96 N:(Y)452236.69	LAT:32.24220267 LON:-103.81289707

NAD 27		
A	E:(X)660763.00 N:(Y)452177.64	LAT:32.24208351 LON:-103.81336646
B	E:(X)660762.91 N:(Y)452567.61	LAT:32.24315549 LON:-103.81336063
C	E:(X)661538.04 N:(Y)452567.71	LAT:32.24314542 LON:-103.81085364
D	E:(X)661538.11 N:(Y)451177.64	LAT:32.24207317 LON:-103.81085953
E	E:(X)661538.11 N:(Y)452077.64	LAT:32.24179828 LON:-103.81086112
F	E:(X)661058.11 N:(Y)452077.63	LAT:32.24180467 LON:-103.81241355
G	E:(X)661058.12 N:(Y)452177.63	LAT:32.24207955 LON:-103.81241197

07/20/2023	08/21/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

REV.	DATE	BY
3	06/09/2025	ANC

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JUNE 12, 2025

DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS05
SHEET 2 OF 3

SITE PLAN

SNDDNS_24S31E_6_5
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

WELL 1
NUGGET 6_31 FED COM 24H
OXY USA, INC.
1,264' FSL 1,513' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702126.76' / Y:452376.68'
LAT:32.24258900N / LON:103.81326749W
NAD 27, SPCS NM EAST
X:660942.92' / Y:452317.61'
LAT:32.24246587N / LON:103.81278236W
ELEVATION = 3458'

WELL 2
NUGGET 6_31 FED COM 25H
OXY USA, INC.
1,264' FSL 1,482' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702156.89' / Y:452376.70'
LAT:32.24258866N / LON:103.81317004W
NAD 27, SPCS NM EAST
X:660973.05' / Y:452317.63'
LAT:32.24246554N / LON:103.81268491W
ELEVATION = 3458'

WELL 3
NUGGET 6_31 FED COM 26H
OXY USA, INC.
1,263' FSL 1,453' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702186.81' / Y:452376.72'
LAT:32.24258832N / LON:103.81307326W
NAD 27, SPCS NM EAST
X:661002.97' / Y:452317.65'
LAT:32.24246520N / LON:103.81258814W
ELEVATION = 3457'

WELL 4
JEFF SMITH MDP1 7_18 FED COM 49H
OXY USA, INC.
1,263' FSL 1,393' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702246.76' / Y:452376.70'
LAT:32.24258747N / LON:103.81287935W
NAD 27, SPCS NM EAST
X:661062.92' / Y:452317.63'
LAT:32.24246434N / LON:103.81239423W
ELEVATION = 3457'

WELL 5
JEFF SMITH MDP1 7_18 FED COM 45H
OXY USA, INC.
1,263' FSL 1,362' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702276.85' / Y:452376.82'
LAT:32.24258740N / LON:103.81278203W
NAD 27, SPCS NM EAST
X:661093.01' / Y:452317.75'
LAT:32.24246427N / LON:103.81229691W
ELEVATION = 3457'

WELL 6
NUGGET 6_31 FED COM 6H
OXY USA, INC.
1,263' FSL 1,302' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702337.00' / Y:452376.87'
LAT:32.24258673N / LON:103.81258748W
NAD 27, SPCS NM EAST
X:661153.16' / Y:452317.80'
LAT:32.24246360N / LON:103.81210237W
ELEVATION = 3458'

WELL 7
NUGGET 6_31 FED COM 46H
OXY USA, INC.
1,263' FSL 1,272' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702367.19' / Y:452376.76'
LAT:32.24258603N / LON:103.81248984W
NAD 27, SPCS NM EAST
X:661183.35' / Y:452317.69'
LAT:32.24246290N / LON:103.81200473W
ELEVATION = 3458'

WELL 8
NUGGET 6_31 FED COM 50H
OXY USA, INC.
1,263' FSL 1,242' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702397.07' / Y:452376.96'
LAT:32.24258618N / LON:103.81239319W
NAD 27, SPCS NM EAST
X:661213.23' / Y:452317.89'
LAT:32.24246305N / LON:-103.81190808W
ELEVATION = 3457'

07/20/2023	08/21/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

3	06/09/2025	ANC
REV.	DATE	BY

BASIS OF BEARING
ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT
NEW MEXICO
21653
PROFESSIONAL SURVEYOR

JUNE 12, 2025

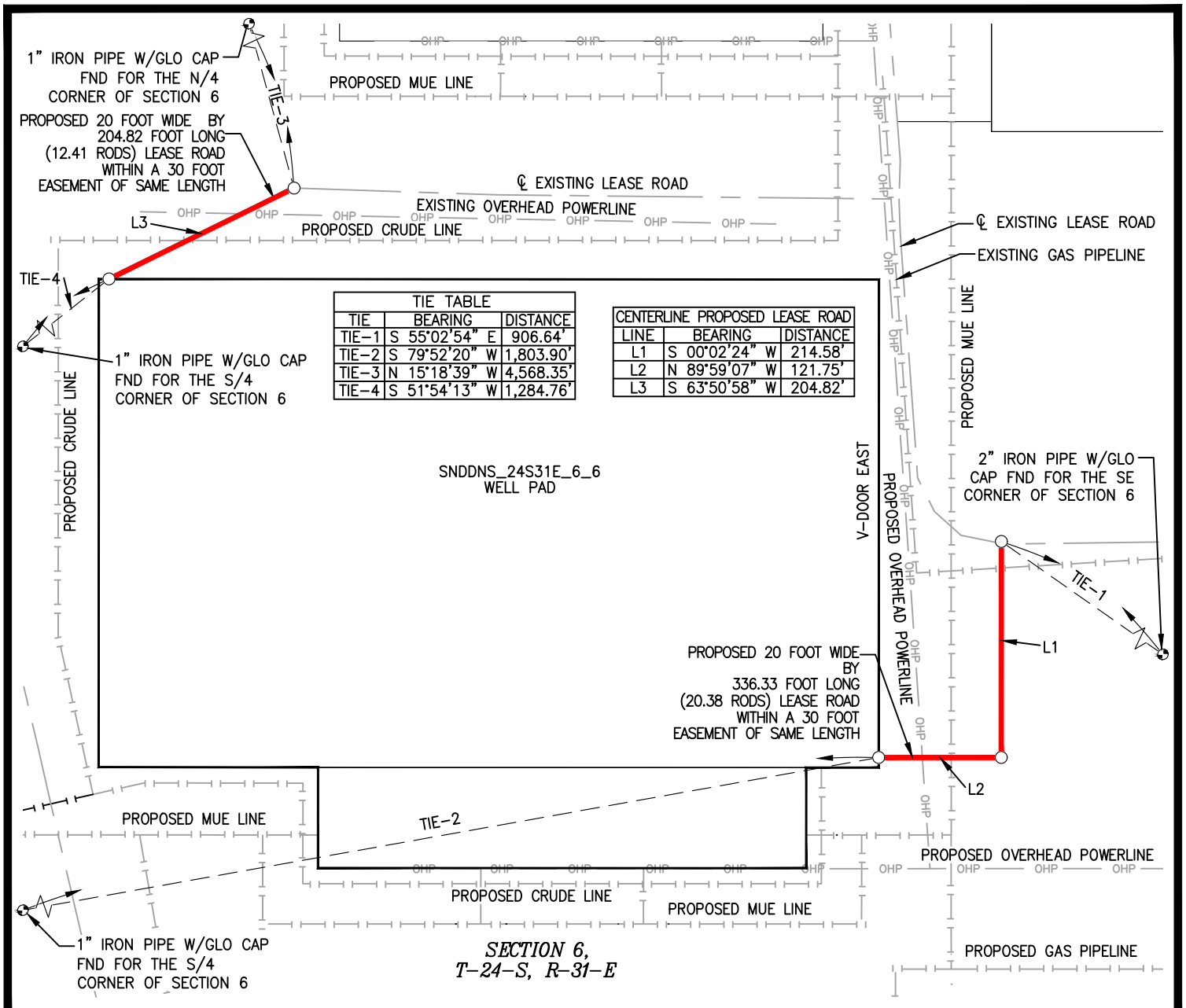
DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS05
SHEET 3 OF 3

SITE PLAN

SNDDNS_24S31E_6_6
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

75' 0' 75' 150'
SCALE: 1" = 150'



TIE TABLE		
TIE	BEARING	DISTANCE
TIE-1	S 55°02'54" E	906.64'
TIE-2	S 79°52'20" W	1,803.90'
TIE-3	N 15°18'39" W	4,568.35'
TIE-4	S 51°54'13" W	1,284.76'

CENTERLINE PROPOSED LEASE ROAD		
LINE	BEARING	DISTANCE
L1	S 00°02'24" W	214.58'
L2	N 89°59'07" W	121.75'
L3	S 63°50'58" W	204.82'

07/20/2023	11/03/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

2	12/12/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- ℄ PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JANUARY 14, 2025

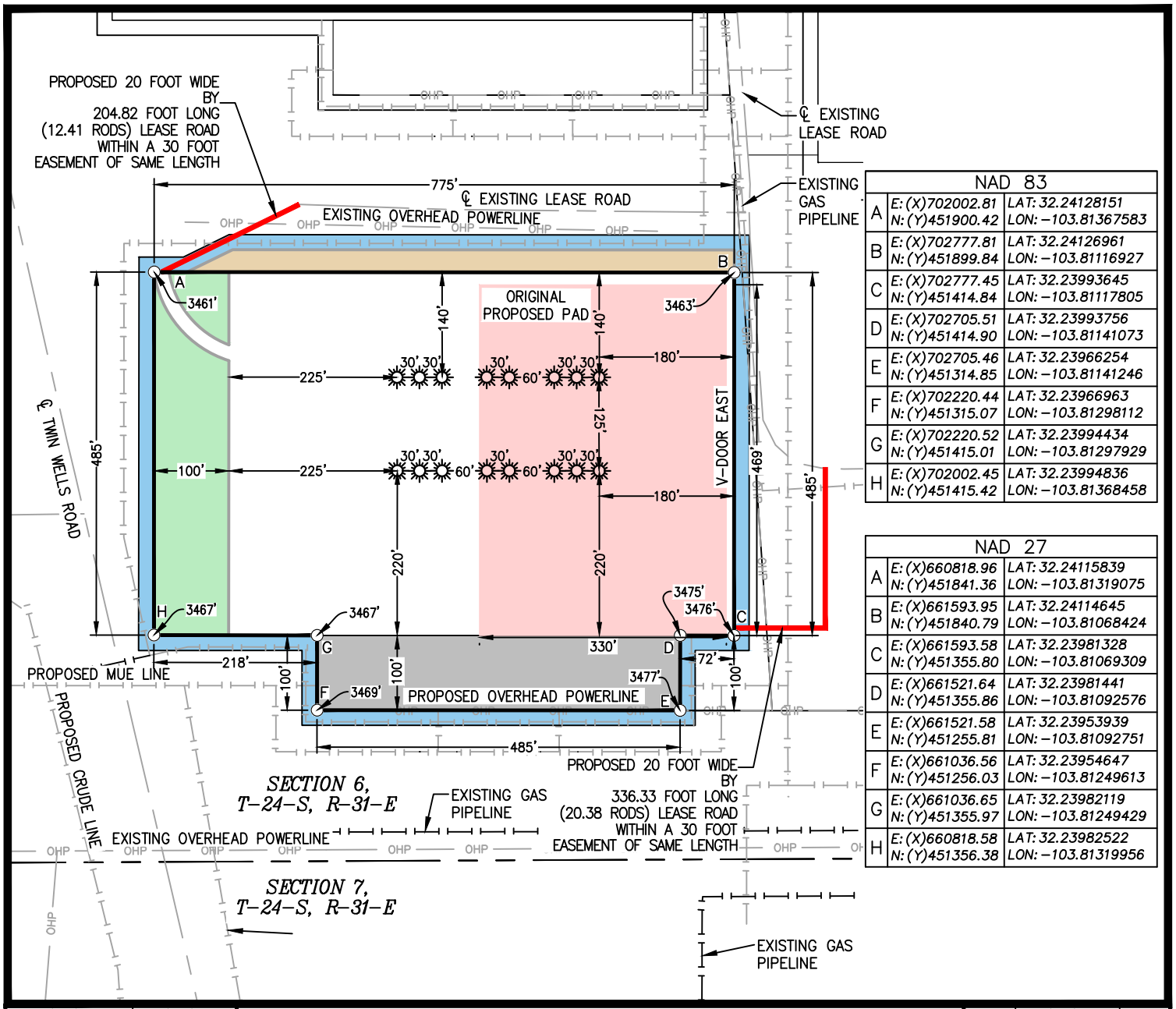
PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS02
SHEET 1 OF 4

SITE PLAN

SNDDNS_24S31E_6_6
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

TANK BATTERY
RECLAMATION
30' TOP SOIL
20' DISTURBANCE AREA
ORIGINAL PAD

100' 0' 100' 200'
SCALE: 1" = 200'



NAD 83		
A	E: (X)702002.81 N: (Y)451900.42	LAT: 32.24128151 LON: −103.81367583
B	E: (X)702777.81 N: (Y)451899.84	LAT: 32.24126961 LON: −103.81116927
C	E: (X)702777.45 N: (Y)451414.84	LAT: 32.23993645 LON: −103.81117805
D	E: (X)702705.51 N: (Y)451414.90	LAT: 32.23993756 LON: −103.81141073
E	E: (X)702705.46 N: (Y)451314.85	LAT: 32.23966254 LON: −103.81141246
F	E: (X)702220.44 N: (Y)451315.07	LAT: 32.23966963 LON: −103.81298112
G	E: (X)702220.52 N: (Y)451415.01	LAT: 32.23994434 LON: −103.81297929
H	E: (X)702002.45 N: (Y)451415.42	LAT: 32.23994836 LON: −103.81368458

NAD 27		
A	E: (X)660818.96 N: (Y)451841.36	LAT: 32.24115839 LON: −103.81319075
B	E: (X)661593.95 N: (Y)451840.79	LAT: 32.24114645 LON: −103.81068424
C	E: (X)661593.58 N: (Y)451355.80	LAT: 32.23981328 LON: −103.81069309
D	E: (X)661521.64 N: (Y)451355.86	LAT: 32.23981441 LON: −103.81092576
E	E: (X)661521.58 N: (Y)451255.81	LAT: 32.23953939 LON: −103.81092751
F	E: (X)661036.56 N: (Y)451256.03	LAT: 32.23954647 LON: −103.81249613
G	E: (X)661036.65 N: (Y)451355.97	LAT: 32.23982119 LON: −103.81249429
H	E: (X)660818.58 N: (Y)451356.38	LAT: 32.23982522 LON: −103.81319956

07/20/2023	11/03/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

2	12/12/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- ℄ — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JANUARY 14, 2025

DELTA FIELD SERVICES

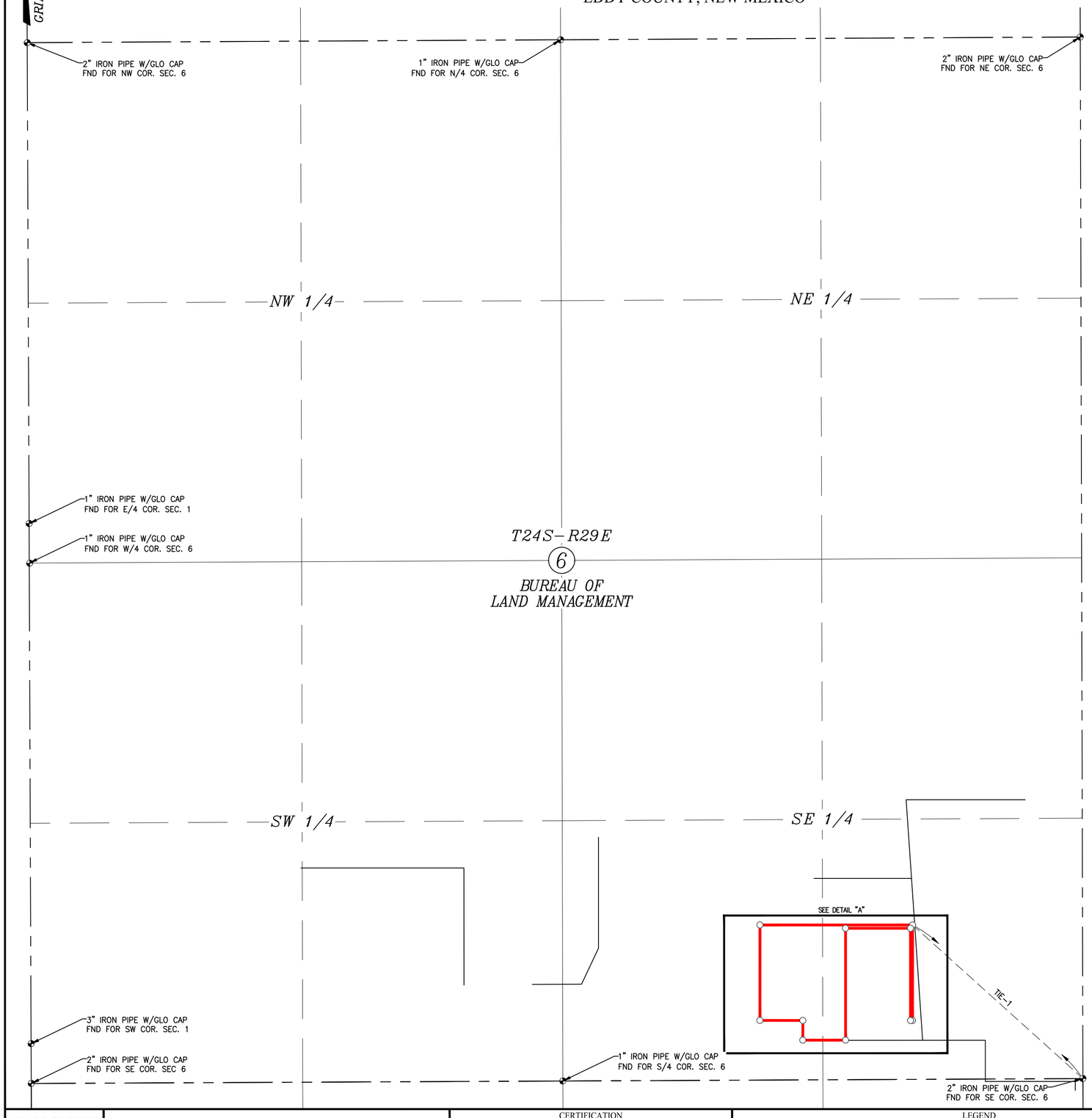
PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS02
SHEET 2 OF 4

JOB No. 0XY_0029_JS

SNDDNS_24S31E_6_1
SITE PLAN
SECTION 6, T-24-S, R-31-E, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

200' 0' 200' 400'
SCALE: 1" = 400'

N GRID NORTH



SURFACE USE AREA DESCRIPTION

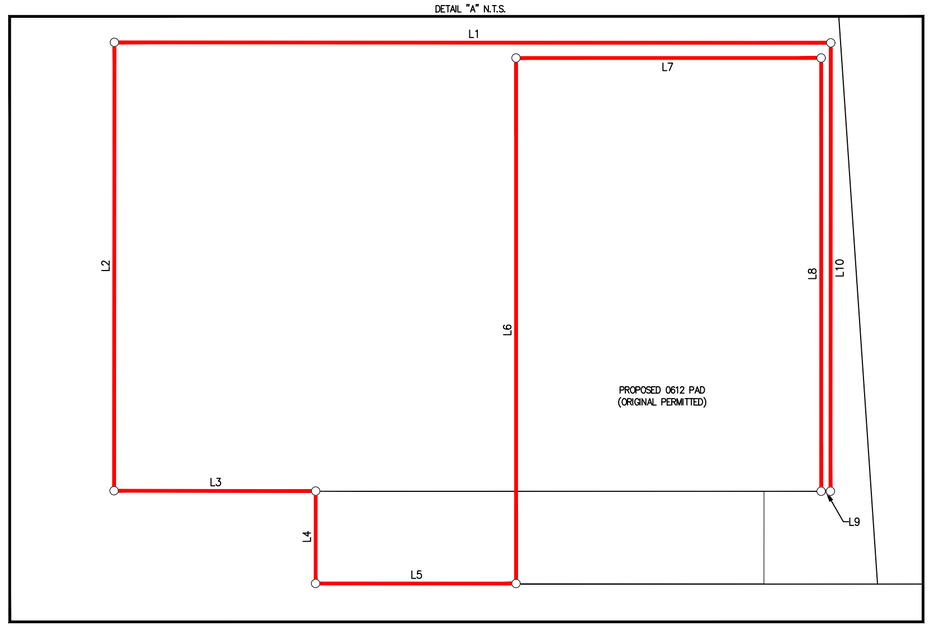
Beginning (POINT OF BEGINNING) at a point from which a 2 inch iron pipe with GLO cap found for the Southeast corner of said Section 6 bears S 47°57'19" E a distance of 1,164.34 feet.

THENCE crossing Section 6 the following courses and distances:

N 89°57'28" W a distance of 775.00 feet, S 00°02'32" W a distance of 485.00 feet,
S 89°53'37" E a distance of 218.07 feet, S 00°02'51" W a distance of 99.94 feet,
S 89°58'24" E a distance of 216.88 feet, N 00°00'00" E a distance of 568.58 feet,
N 90°00'00" E a distance of 330.00 feet, S 00°00'00" E a distance of 468.70 feet,
S 89°57'28" E a distance of 10.13 feet, and N 00°02'32" E a distance of 485.00 feet to the PLACE OF BEGINNING.

The total described proposed well pad in said Section 6, contains 5.57 acres of land. Said proposed well pad being located in section 6, Township 24 South, Range 29 East, N.M.P.M, Eddy County, New Mexico.

DETAIL "A" N.T.S.



LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 89°57'28" W	775.00'
L2	S 00°02'32" W	485.00'
L3	S 89°53'37" E	218.07'
L4	S 00°02'51" W	99.94'
L5	S 89°58'24" E	216.88'
L6	N 00°00'00" E	568.58'
L7	N 90°00'00" E	330.00'
L8	S 00°00'00" E	468.70'
L9	S 89°57'28" E	10.13'
L10	N 00°02'32" E	485.00'

TIE TABLE		
LINE	BEARING	DISTANCE
TIE-1	S 47°57'19" E	1,164.34'

SHEET 3 OF 4

CERTIFICATION

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR
JANUARY 14, 2025

LEGEND

W W W	EXISTING WATER LINE
	CENTERLINE OF LEASE ROAD
SWD SWD SWD	EXISTING SALT WATER LINE
	PAD LINE
	LOT/QUARTER LINE
	PROPOSED CENTERLINE
	EXISTING PIPELINES
OHP OHP	OVERHEAD POWERLINE
	SURVEY/SECTION LINE
	PERMANENT EASEMENT
	TOWNSHIP/RANGE LINE
E	PROPERTY LINE
	EDGE OF ROAD
FO FO FO	FIBER OPTIC LINE
	FOUND MONUMENT
	CALCULATED MONUMENT
	POWER POLE
	QUARTER SPLIT

CERTIFICATION

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

NOTES

BASIS OF BEARING
ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

OXY

SNDDNS_24S31E_6_6 WELL PAD
CROSSING THE PROPERTY OF
BUREAU OF LAND MANAGEMENT
EDDY COUNTY, NEW MEXICO

REV.	DATE	DESCRIPTION	BY	CHKD
2	12/12/2024	GENERAL REVISIONS	ERR	GDG

SHEET 3 OF 4
DRAWN BY: TCS
DATE DRAWN: 11/03/2023
CHECKED BY: GDG

DELTA FIELD SERVICES

DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
(318) 323-6900

SITE PLAN

SNDDNS_24S31E_6_6
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

WELL 1
JEFF SMITH MDP1 7_18 FED COM 24H
OXY USA, INC.
646' FSL 1,314' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702327.15' / Y:451759.85'
LAT:32.24089081N / LON:103.81262902W
NAD 27, SPCS NM EAST
X:661143.29' / Y:451700.80'
LAT:32.24076767N / LON:103.81214398W
ELEVATION = 3464'

WELL 2
JEFF SMITH MDP1 7_18 FED COM 25H
OXY USA, INC.
646' FSL 1,284' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702357.12' / Y:451759.87'
LAT:32.24089046N / LON:103.81253208W
NAD 27, SPCS NM EAST
X:661173.26' / Y:451700.82'
LAT:32.24076733N / LON:103.81204705W
ELEVATION = 3464'

WELL 3
JEFF SMITH MDP1 7_18 FED COM 26H
OXY USA, INC.
646' FSL 1,254' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702387.26' / Y:451759.88'
LAT:32.24089009N / LON:103.81243460W
NAD 27, SPCS NM EAST
X:661203.40' / Y:451700.83'
LAT:32.24076695N / LON:103.81194958W
ELEVATION = 3464'

WELL 4
JEFF SMITH MDP1 7_18 FED COM 13H
OXY USA, INC.
645' FSL 1,194' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702447.05' / Y:451759.92'
LAT:32.24088940N / LON:103.81224122W
NAD 27, SPCS NM EAST
X:661263.19' / Y:451700.86'
LAT:32.24076625N / LON:103.81175620W
ELEVATION = 3465'

WELL 5
JEFF SMITH MDP1 7_18 FED COM 14H
OXY USA, INC.
645' FSL 1,164' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702477.16' / Y:451759.86'
LAT:32.24088883N / LON:103.81214384W
NAD 27, SPCS NM EAST
X:661293.30' / Y:451700.81'
LAT:32.24076569N / LON:103.81165882W
ELEVATION = 3465'

WELL 6
JEFF SMITH MDP1 7_18 FED COM 34H
OXY USA, INC.
645' FSL 1,104' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702537.22' / Y:451759.74'
LAT:32.24088770N / LON:103.81194959W
NAD 27, SPCS NM EAST
X:661353.36' / Y:451700.69'
LAT:32.24076456N / LON:103.81146458W
ELEVATION = 3466'

WELL 7
JEFF SMITH MDP1 7_18 FED COM 35H
OXY USA, INC.
645' FSL 1,074' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702567.22' / Y:451759.69'
LAT:32.24088717N / LON:103.81185256W
NAD 27, SPCS NM EAST
X:661383.36' / Y:451700.64'
LAT:32.24076402N / LON:103.81136755W
ELEVATION = 3466'

WELL 8
JEFF SMITH MDP1 7_18 FED COM 36H
OXY USA, INC.
645' FSL 1,044' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702597.20' / Y:451759.84'
LAT:32.24088718N / LON:103.81175560W
NAD 27, SPCS NM EAST
X:661413.34' / Y:451700.79'
LAT:32.24076403N / LON:103.81127059W
ELEVATION = 3466'

WELL 9
NUGGET 6_31 FED COM 34H
OXY USA, INC.
521' FSL 1,314' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702327.50' / Y:451634.94'
LAT:32.24054745N / LON:103.81262984W
NAD 27, SPCS NM EAST
X:661143.63' / Y:451575.89'
LAT:32.24042431N / LON:103.81214483W
ELEVATION = 3467'

WELL 10
NUGGET 6_31 FED COM 35H
OXY USA, INC.
521' FSL 1,284' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702357.38' / Y:451634.88'
LAT:32.24054689N / LON:103.81253320W
NAD 27, SPCS NM EAST
X:661173.52' / Y:451575.83'
LAT:32.24042374N / LON:103.81204819W
ELEVATION = 3466'

WELL 11
NUGGET 6_31 FED COM 36H
OXY USA, INC.
521' FSL 1,254' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702387.38' / Y:451634.91'
LAT:32.24054657N / LON:103.81243617W
NAD 27, SPCS NM EAST
X:661203.52' / Y:451575.86'
LAT:32.24042343N / LON:103.81195116W
ELEVATION = 3466'

WELL 12
NUGGET 6_31 FED COM 49H
OXY USA, INC.
520' FSL 1,194' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702447.40' / Y:451634.92'
LAT:32.24054580N / LON:103.81224205W
NAD 27, SPCS NM EAST
X:661263.53' / Y:451575.87'
LAT:32.24042265N / LON:103.81175705W
ELEVATION = 3468'

WELL 13
NUGGET 6_31 FED COM 45H
OXY USA, INC.
520' FSL 1,164' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702477.36' / Y:451634.92'
LAT:32.24054540N / LON:103.81214515W
NAD 27, SPCS NM EAST
X:661293.50' / Y:451575.87'
LAT:32.24042225N / LON:103.81166015W
ELEVATION = 3468'

WELL 14
NUGGET 6_31 FED COM 13H
OXY USA, INC.
520' FSL 1,104' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702537.38' / Y:451634.87'
LAT:32.24054446N / LON:103.81195103W
NAD 27, SPCS NM EAST
X:661353.51' / Y:451575.82'
LAT:32.24042131N / LON:103.81146604W
ELEVATION = 3470'

WELL 15
NUGGET 6_31 FED COM 14H
OXY USA, INC.
520' FSL 1,074' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702567.37' / Y:451634.90'
LAT:32.24054414N / LON:103.81185404W
NAD 27, SPCS NM EAST
X:661383.51' / Y:451575.85'
LAT:32.24042100N / LON:103.81136904W
ELEVATION = 3470'

WELL 16
NUGGET 6_31 FED COM 7H
OXY USA, INC.
520' FSL 1,044' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702597.39' / Y:451634.84'
LAT:32.24054358N / LON:103.81175695W
NAD 27, SPCS NM EAST
X:661413.53' / Y:451575.79'
LAT:32.24042043N / LON:103.81127195W
ELEVATION = 3470'

07/20/2023	11/03/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

2	12/12/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833°.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

JANUARY 14, 2025

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS02
SHEET 4 OF 4

SITE PLAN

SNDDNS_24S31E_6_3
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

100" 0' 100' 200'
SCALE: 1" = 200'

TIE TABLE		
TIE	BEARING	DISTANCE
TIE-1	S 62°07'40" W	2,030.01'
TIE-2	S 38°47'45" E	1,201.86'
TIE-3	S 53°14'29" W	2,203.94'
TIE-4	S 29°57'26" E	1,508.03'

CENTERLINE PROPOSED LEASE ROAD		
LINE	BEARING	DISTANCE
L1	N 89°59'02" E	93.28'
L2	S 89°58'51" E	122.06'

SECTION 6, T-24-S, R-31-E
BUREAU OF LAND MANAGEMENT

SECTION 5, T-24-S, R-31-E

℄ EXISTING LEASE ROAD

PROPOSED MUE LINE

PROPOSED OVERHEAD POWER

PROPOSED 20 FOOT WIDE BY 122.06 FOOT LONG (7.40 RODS) LEASE ROAD WITHIN A 30 FOOT EASEMENT OF SAME LENGTH

PROPOSED CRUDE LINE

L2

SNDDNS_24S31E_6_3
WELL PAD

L1

TIE-1

TIE-2

TIE-3

TIE-4

PROPOSED MUE LINE

PROPOSED 20 FOOT WIDE BY 93.28 FOOT LONG (5.65 RODS) LEASE ROAD WITHIN A 30 FOOT EASEMENT OF SAME LENGTH

EXISTING OVERHEAD POWER

EXISTING GAS PIPELINE

1" IRON PIPE W/GLO CAP FND FOR THE S/4 COR SEC 6

2" IRON PIPE W/GLO CAP FND FOR SE COR SEC 6

℄ EXISTING LEASE ROAD

07/20/2023	08/24/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

1	12/9/2024	ERR
REV.	DATE	BY

BASIS OF BEARING
ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JANUARY 02, 2025

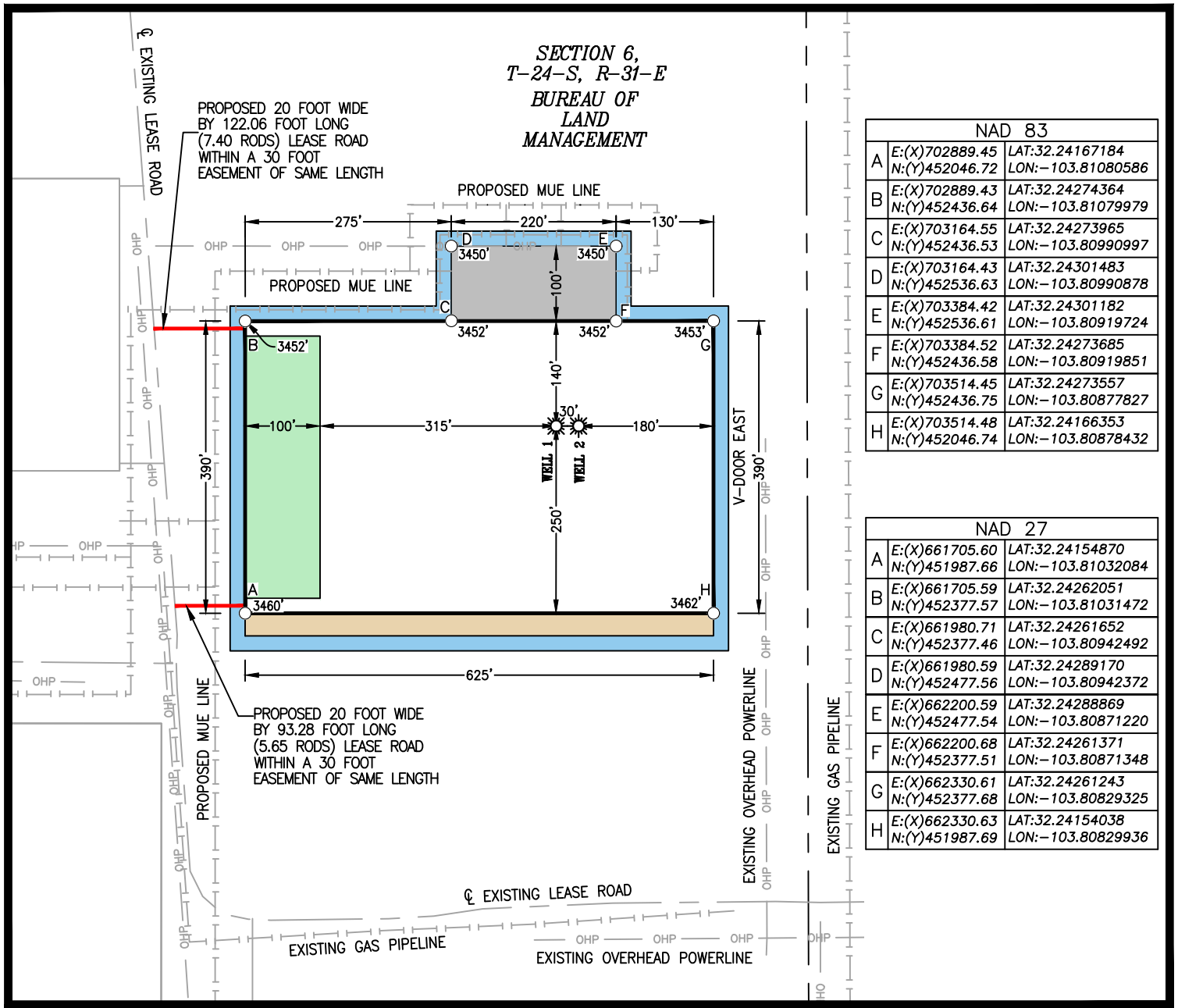
PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS03
SHEET 1 OF 3

SITE PLAN

SNDDNS_24S31E_6_3
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

TANK BATTERY
RECLAMATION
30' TOP SOIL
20' DISTURBANCE AREA

100' 0' 100' 200'
SCALE: 1" = 200'



NAD 83		
A	E:(X)702889.45 N:(Y)452046.72	LAT:32.24167184 LON:-103.81080586
B	E:(X)702889.43 N:(Y)452436.64	LAT:32.24274364 LON:-103.81079979
C	E:(X)703164.55 N:(Y)452436.53	LAT:32.24273965 LON:-103.80990997
D	E:(X)703164.43 N:(Y)452536.63	LAT:32.24301483 LON:-103.80990878
E	E:(X)703384.42 N:(Y)452536.61	LAT:32.24301182 LON:-103.80919724
F	E:(X)703384.52 N:(Y)452436.58	LAT:32.24273685 LON:-103.80919851
G	E:(X)703514.45 N:(Y)452436.75	LAT:32.24273557 LON:-103.80877827
H	E:(X)703514.48 N:(Y)452046.74	LAT:32.24166353 LON:-103.80878432

NAD 27		
A	E:(X)661705.60 N:(Y)451987.66	LAT:32.24154870 LON:-103.81032084
B	E:(X)661705.59 N:(Y)452377.57	LAT:32.24262051 LON:-103.81031472
C	E:(X)661980.71 N:(Y)452377.46	LAT:32.24261652 LON:-103.80942492
D	E:(X)661980.59 N:(Y)452477.56	LAT:32.24289170 LON:-103.80942372
E	E:(X)662200.59 N:(Y)452477.54	LAT:32.24288869 LON:-103.80871220
F	E:(X)662200.68 N:(Y)452377.51	LAT:32.24261371 LON:-103.80871348
G	E:(X)662330.61 N:(Y)452377.68	LAT:32.24261243 LON:-103.80829325
H	E:(X)662330.63 N:(Y)451987.69	LAT:32.24154038 LON:-103.80829936

07/20/2023	08/24/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

1	12/9/2024	ERR
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833°.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT
NEW MEXICO
21653
PROFESSIONAL SURVEYOR

JANUARY 02, 2025

DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS03
SHEET 2 OF 3

SITE PLAN

SNDDNS_24S31E_6_3
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

WELL 1
JEFF SMITH MDP1 7_18 FED COM 46H
OXY USA, INC.
1,178' FSL 335' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:703304.41' / Y:452296.59'
LAT:32.24235313N / LON:103.80945981W
NAD 27, SPCS NM EAST
X:662120.56' / Y:452237.52'
LAT:32.24222998N / LON:103.80897480W
ELEVATION = 3455'

WELL 2
JEFF SMITH MDP1 7_18 FED COM 50H
OXY USA, INC.
1,178' FSL 305' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:703334.42' / Y:4522296.58'
LAT:32.24235270N / LON:103.80936275W
NAD 27, SPCS NM EAST
X:662150.58' / Y:452237.51'
LAT:32.24222955N / LON:103.80887773W
ELEVATION = 3455'

07/20/2023	08/24/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

1	12/9/2024	ERR
REV.	DATE	BY

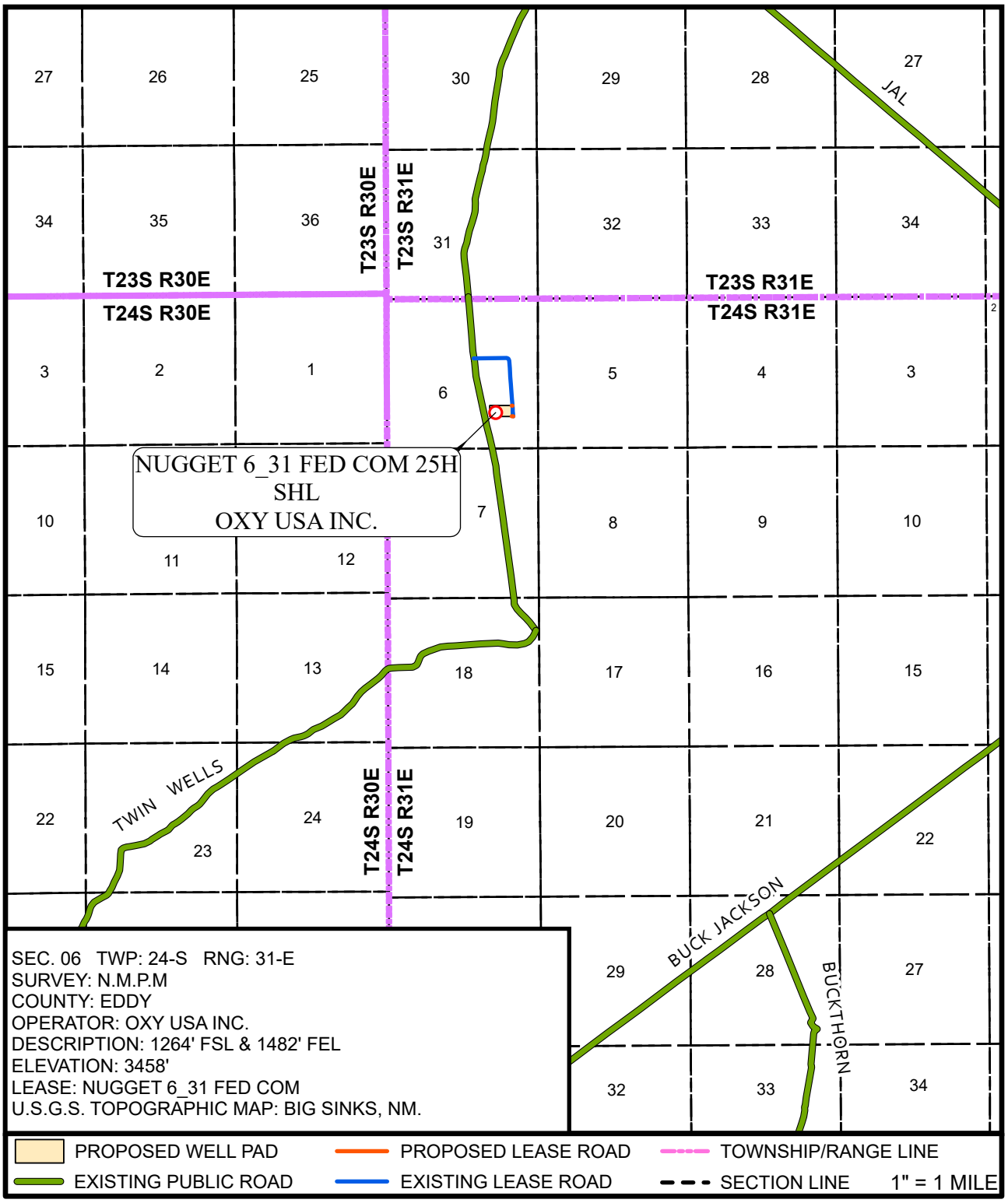
BASIS OF BEARING
ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833°.)

LLOYD P. SHORT
NEW MEXICO
21653
PROFESSIONAL SURVEYOR

JANUARY 02, 2025

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS03
SHEET 3 OF 3

VICINITY MAP



APPROXIMATELY 16.7 MILES SOUTHEASTERLY OF LOVING, NM.

FROM THE INTERSECTION OF U.S. HWY 285 AND STATE HWY 387 / W. CEDAR STREET IN LOVING, NEW MEXICO, HEAD NORTH ON U.S. HWY 285 FOR APPROXIMATELY 2.3 MILES TO STATE HWY 31 / POTASH MINES ROAD. HEAD EAST ON STATE HWY 31 / POTASH MINES ROAD FOR APPROXIMATELY 7.7 MILES TO STATE HWY 128 / JAL HWY. HEAD EAST ON STATE HWY 128 / JAL HWY FOR APPROXIMATELY 12.8 MILES TO TWIN WELLS ROAD ON SOUTH SIDE OF HWY. HEAD SOUTH ON TWIN WELLS ROAD FOR APPROXIMATELY 3.7 MILES TO AN EXISTING LEASE ROAD ON THE EAST SIDE OF ROAD. HEAD EAST ON SAID LEASE ROAD FOR APPROXIMATELY 0.6 MILES TO THE NORTHEAST PAD ENTRANCE ON WEST SIDE OF ROAD

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON STREET,
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS05_15460

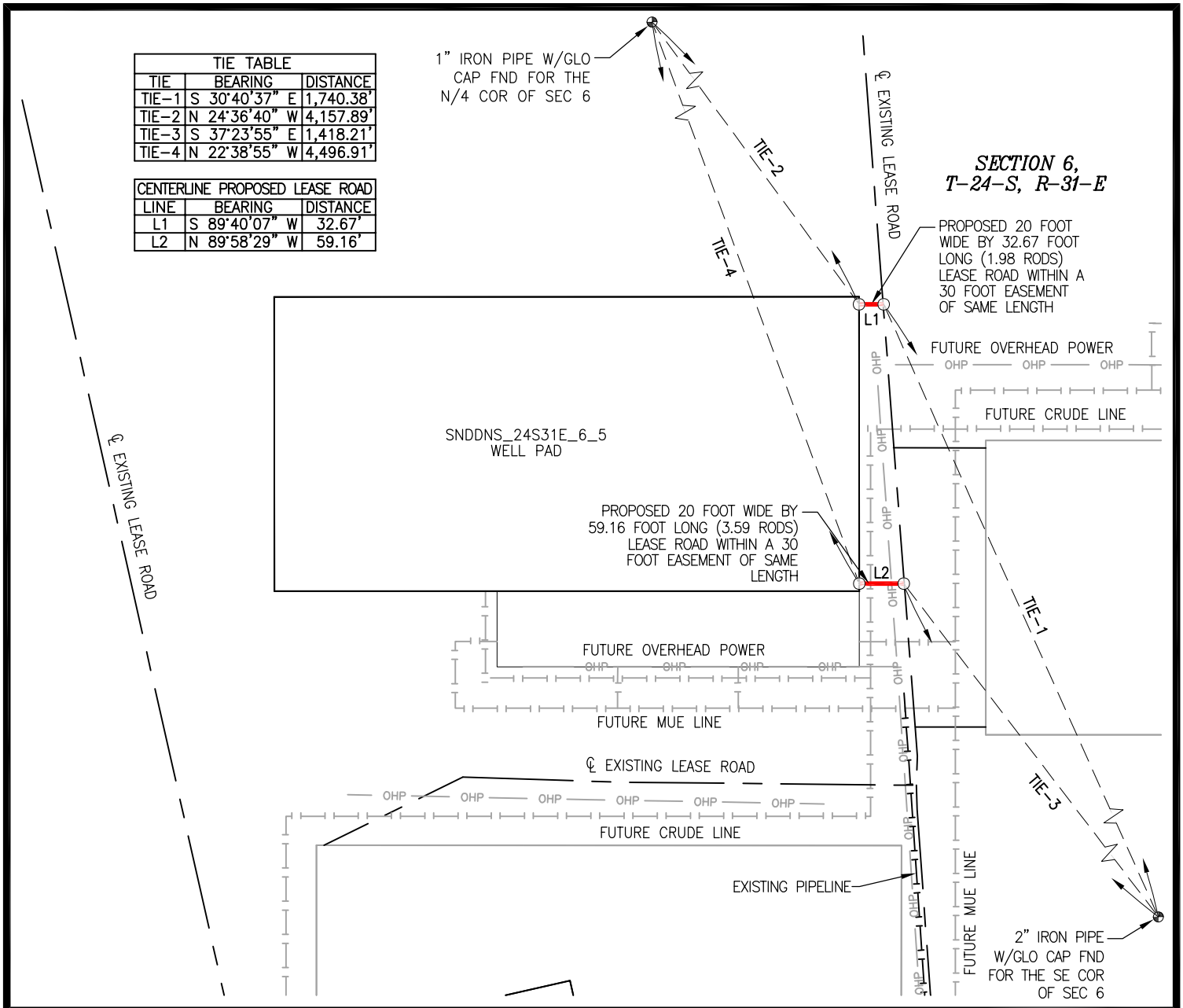
SITE PLAN

SNDDNS_24S31E_6_5
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

100' 0' 100' 200'
SCALE: 1" = 200'

TIE TABLE		
TIE	BEARING	DISTANCE
TIE-1	S 30°40'37" E	1,740.38'
TIE-2	N 24°36'40" W	4,157.89'
TIE-3	S 37°23'55" E	1,418.21'
TIE-4	N 22°38'55" W	4,496.91'

CENTERLINE PROPOSED LEASE ROAD		
LINE	BEARING	DISTANCE
L1	S 89°40'07" W	32.67'
L2	N 89°58'29" W	59.16'



07/20/2023	08/21/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

3	06/09/2025	ANC
REV.	DATE	BY

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JUNE 12, 2025

DELTA FIELD SERVICES

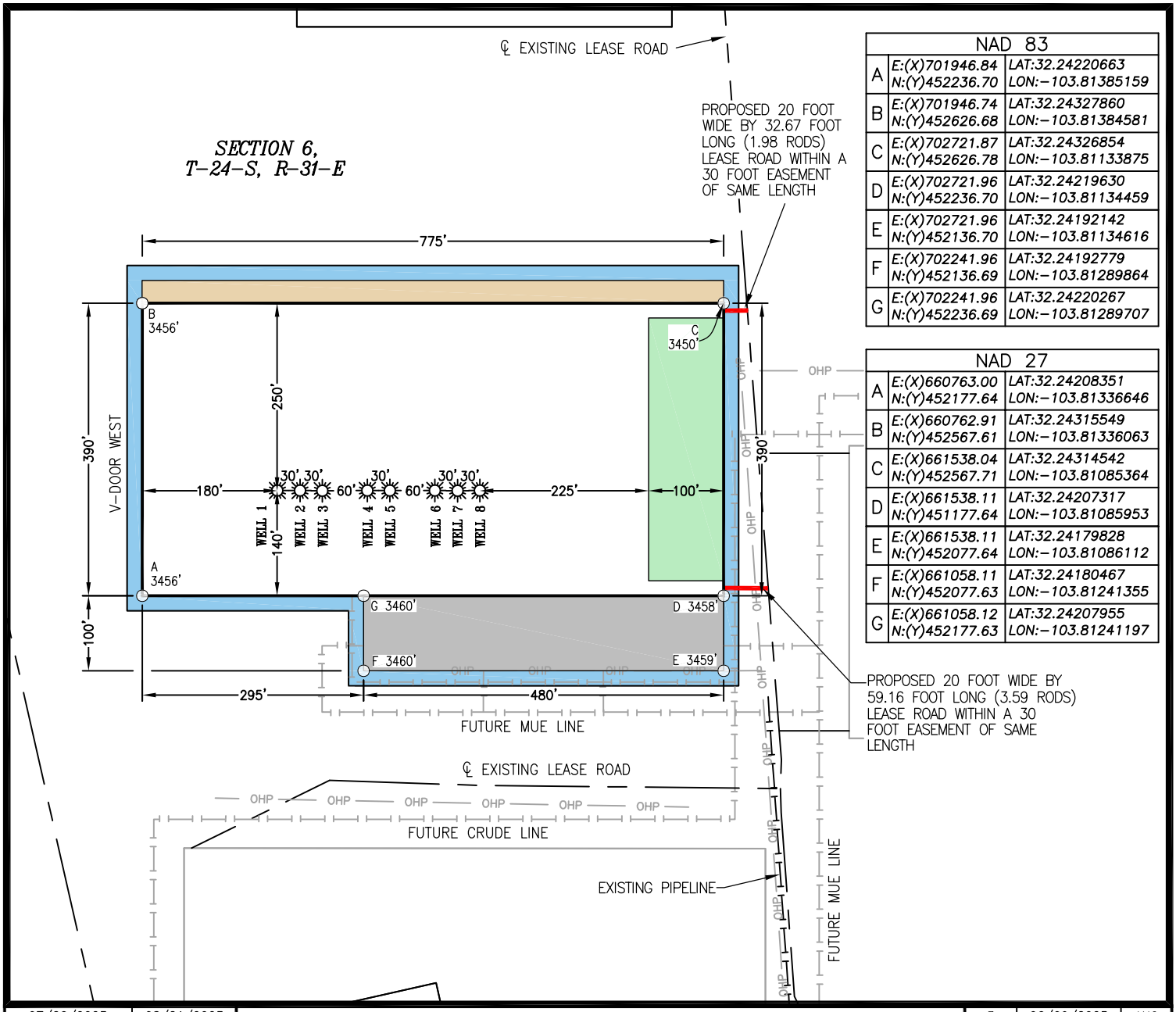
PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS05
SHEET 1 OF 3

SITE PLAN

SNDDNS_24S31E_6_5
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

TANK BATTERY
RECLAMATION
30' TOP SOIL
20' DISTURBANCE AREA

100' 0' 100' 200'
SCALE: 1" = 200'



NAD 83		
A	E:(X)701946.84 N:(Y)452236.70	LAT:32.24220663 LON:-103.81385159
B	E:(X)701946.74 N:(Y)452626.68	LAT:32.24327860 LON:-103.81384581
C	E:(X)702721.87 N:(Y)452626.78	LAT:32.24326854 LON:-103.81133875
D	E:(X)702721.96 N:(Y)452236.70	LAT:32.24219630 LON:-103.81134459
E	E:(X)702721.96 N:(Y)452136.70	LAT:32.24192142 LON:-103.81134616
F	E:(X)702241.96 N:(Y)452136.69	LAT:32.24192779 LON:-103.81289864
G	E:(X)702241.96 N:(Y)452236.69	LAT:32.24220267 LON:-103.81289707

NAD 27		
A	E:(X)660763.00 N:(Y)452177.64	LAT:32.24208351 LON:-103.81336646
B	E:(X)660762.91 N:(Y)452567.61	LAT:32.24315549 LON:-103.81336063
C	E:(X)661538.04 N:(Y)452567.71	LAT:32.24314542 LON:-103.81085364
D	E:(X)661538.11 N:(Y)451177.64	LAT:32.24207317 LON:-103.81085953
E	E:(X)661538.11 N:(Y)452077.64	LAT:32.24179828 LON:-103.81086112
F	E:(X)661058.11 N:(Y)452077.63	LAT:32.24180467 LON:-103.81241355
G	E:(X)661058.12 N:(Y)452177.63	LAT:32.24207955 LON:-103.81241197

07/20/2023	08/21/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

REV.	DATE	BY
3	06/09/2025	ANC

BASIS OF BEARING

ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JUNE 12, 2025

DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS05
SHEET 2 OF 3

SITE PLAN

SNDDNS_24S31E_6_5
SEC. 6 TWP. 24-S RGE. 31-E
SURVEY: N.M.P.M.
COUNTY: EDDY
OPERATOR: OXY USA, INC.
U.S.G.S. TOPOGRAPHIC MAP: BIG SINKS, N.M.
FAA PERMIT NEEDED: NO

WELL 1
NUGGET 6_31 FED COM 24H
OXY USA, INC.
1,264' FSL 1,513' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702126.76' / Y:452376.68'
LAT:32.24258900N / LON:103.81326749W
NAD 27, SPCS NM EAST
X:660942.92' / Y:452317.61'
LAT:32.24246587N / LON:103.81278236W
ELEVATION = 3458'

WELL 2
NUGGET 6_31 FED COM 25H
OXY USA, INC.
1,264' FSL 1,482' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702156.89' / Y:452376.70'
LAT:32.24258866N / LON:103.81317004W
NAD 27, SPCS NM EAST
X:660973.05' / Y:452317.63'
LAT:32.24246554N / LON:103.81268491W
ELEVATION = 3458'

WELL 3
NUGGET 6_31 FED COM 26H
OXY USA, INC.
1,263' FSL 1,453' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702186.81' / Y:452376.72'
LAT:32.24258832N / LON:103.81307326W
NAD 27, SPCS NM EAST
X:661002.97' / Y:452317.65'
LAT:32.24246520N / LON:103.81258814W
ELEVATION = 3457'

WELL 4
JEFF SMITH MDP1 7_18 FED COM 49H
OXY USA, INC.
1,263' FSL 1,393' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702246.76' / Y:452376.70'
LAT:32.24258747N / LON:103.81287935W
NAD 27, SPCS NM EAST
X:661062.92' / Y:452317.63'
LAT:32.24246434N / LON:103.81239423W
ELEVATION = 3457'

WELL 5
JEFF SMITH MDP1 7_18 FED COM 45H
OXY USA, INC.
1,263' FSL 1,362' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702276.85' / Y:452376.82'
LAT:32.24258740N / LON:103.81278203W
NAD 27, SPCS NM EAST
X:661093.01' / Y:452317.75'
LAT:32.24246427N / LON:103.81229691W
ELEVATION = 3457'

WELL 6
NUGGET 6_31 FED COM 6H
OXY USA, INC.
1,263' FSL 1,302' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702337.00' / Y:452376.87'
LAT:32.24258673N / LON:103.81258748W
NAD 27, SPCS NM EAST
X:661153.16' / Y:452317.80'
LAT:32.24246360N / LON:103.81210237W
ELEVATION = 3458'

WELL 7
NUGGET 6_31 FED COM 46H
OXY USA, INC.
1,263' FSL 1,272' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702367.19' / Y:452376.76'
LAT:32.24258603N / LON:103.81248984W
NAD 27, SPCS NM EAST
X:661183.35' / Y:452317.69'
LAT:32.24246290N / LON:103.81200473W
ELEVATION = 3458'

WELL 8
NUGGET 6_31 FED COM 50H
OXY USA, INC.
1,263' FSL 1,242' FEL, SECTION 6
NAD 83, SPCS NM EAST
X:702397.07' / Y:452376.96'
LAT:32.24258618N / LON:103.81239319W
NAD 27, SPCS NM EAST
X:661213.23' / Y:452317.89'
LAT:32.24246305N / LON:-103.81190808W
ELEVATION = 3457'

07/20/2023	08/21/2023
DATE SURVEYED	DATE DRAWN

I, LLOYD P. SHORT, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21653 DO HEREBY CERTIFY THAT THIS EASEMENT 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. I FURTHER CERTIFY THAT THIS SURVEY IS NOT A LAND DIVISION OR SUBDIVISION AS DEFINED IN THE NEW MEXICO SUBDIVISION ACT AND THAT THIS INSTRUMENT IS AN EASEMENT SURVEY PLAT CROSSING AN EXISTING TRACT OR TRACTS.

3	06/09/2025	ANC
REV.	DATE	BY

BASIS OF BEARING
ALL BEARINGS AND COORDINATES REFER TO NAD 83, NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET. (ALL BEARINGS, DISTANCES, COORDINATES AND AREAS ARE GRID MEASUREMENTS UTILIZING A COMBINED SCALE FACTOR OF 0.99977581 AND A CONVERGENCE ANGLE OF 0.27195833'.)

LEGEND

- EXISTING ROAD
- PROPOSED ROAD
- SURFACE SITE EDGE
- EXIST. PIPELINE
- MONUMENT
- QUARTER SPLIT
- OHP — OVERHEAD POWER
- x — x — FENCE
- SECTION LINE
- PL — PROPERTY LINE
- W — W — WATER LINE
- SWD — SALT WATER LINE

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

JUNE 12, 2025

DELTA FIELD SERVICES

PREPARED BY:
DELTA FIELD SERVICES, LLC
510 TRENTON ST.
WEST MONROE, LA 71291
318-323-6900 OFFICE
JOB No. OXY_0029_JS05
SHEET 3 OF 3

Oxy USA Inc. - NUGGET 6_31 FED COM 25H
Drill Plan

1. Geologic Formations

Delaware Basin

Formation	MD-RKB (ft)	TVD-RKB (ft)	Expected Fluids
Rustler	562	562	
Salado	941	941	Salt
Marker Bed 126	2000	2000	Salt
Castile	2816	2816	Salt
Delaware	4238	4199	Oil/Gas/Brine
Bell Canyon	4264	4224	Oil/Gas/Brine
Cherry Canyon	5231	5144	Oil/Gas/Brine
Brushy Canyon	6540	6389	Losses
Bone Spring	8289	8052	Oil/Gas
Bone Spring 1st			Oil/Gas
Bone Spring 2nd			Oil/Gas
Bone Spring 3rd			Oil/Gas
Wolfcamp			Oil/Gas
Penn			Oil/Gas
Strawn			Oil/Gas

*H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program

		MD		TVD					
Section	Hole Size (in)	From (ft)	To (ft)	From (ft)	To (ft)	Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
Surface	14.75	0	881	0	881	10.75	45.5	J-55	BTC
Intermediate	9.875	0	8143	0	7908	7.625	26.4	L-80 HC	BTC
Production	6.75	0	19554	0	8824	5.5	20	P-110	DWC/C-HT-IS

All casing strings will be tested in accordance with 43 CFR part 3170 Subpart 3172

All Casing SF Values will meet or exceed those below			
SF Collapse	**SF Burst**	**Body SF Tension**	**Joint SF Tension**
1.00	1.100	1.4	1.4

Annular Clearance Variance Request

As per the agreement reached in the Oxy/BLM face-to-face meeting on Feb 22, 2018, Oxy requests permission to allow deviation from the 0.422" annular clearance requirement. Please see Annular Clearance Variance attachment for further details.

	Y or N
Is casing new? If used, attach certification as required in 43 CFR 3160	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-Q?	Y
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	Y
Is well located in R-111-Q and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program

Section	Stage	Slurry:	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	737	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	182	1.68	13.2	5%	6,790	Circulate	Class C+Ret., Disper.
Int.	2	Intermediate 2S - Tail BH	1048	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	675	1.84	13.3	25%	7,643	Circulate	Class C+Ret.

Offline Cementing Request

Oxy requests a variance to cement the 9.625” and/or 7.625” intermediate casing strings offline in accordance to the approved variance, EC Tran 461365. Please see Offline Cementing Variance attachment for further details.

Bradenhead CBL Request

Oxy requests permission to adjust the CBL requirement after bradenhead cement jobs, on 7-5/8” intermediate casings, as per the agreement reached in the OXY/BLM meeting on September 5, 2019. Please see Bradenhead CBL Variance attachment for further details.

4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:	Deepest TVD Depth (ft) per Section:
9.875" Hole	13-5/8"	5M	Annular	✓	70% of working pressure	7908
		5M	Blind Ram	✓	250 psi / 5000 psi	
			Pipe Ram			
			Double Ram	✓		
			Other*			
6.75" Hole	13-5/8"	5M	Annular	✓	70% of working pressure	8824
		5M	Blind Ram	✓	250 psi / 5000 psi	
			Pipe Ram			
			Double Ram	✓		
			Other*			

*Specify if additional ram is utilized

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.

	Formation integrity test will be performed per 43 CFR part 3170 Subpart 3172.
	On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR part 3170 Subpart 3172.
	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
	Y — Are anchors required by manufacturer?
	A multibowl or a unionized multibowl wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per 43 CFR part 3170 Subpart 3172 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. We will test the flange connection of the wellhead with a test port that is directly in the flange. We are proposing that we will run the wellhead through the rotary prior to cementing surface casing as discussed with the BLM on October 8, 2015. See attached schematics.

BOP Break Testing Request

Oxy requests permission to adjust the BOP break testing (intermediate and production) requirements as per the agreement reached in the OXY/BLM meeting on April 4th, 2025. Please see BOP Break Testing Variance attachment for further details.

Oxy will use Cameron ADAPT wellhead system that uses an OEC top flange connection. This connection has been fully vetted and verified by API to Spec 6A and carries an API monogram.

5. Mud Program

Section	Depth - MD		Depth - TVD		Type	Weight (ppg)	Viscosity	Water Loss
	From (ft)	To (ft)	From (ft)	To (ft)				
Surface	0	881	0	881	Water-Based Mud	8.6 - 8.8	40-60	N/C
Intermediate	881	8143	881	7908	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C
Production	8143	19554	7908	8824	Water-Based or Oil-Based Mud	8.0 - 9.6	38-50	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.

What will be used to monitor the loss or gain of fluid?	PVT/MD Totco/Visual Monitoring

6. Logging and Testing Procedures

Logging, Coring and Testing.	
Yes	Will run GR from TD to surface (horizontal well – vertical portion of hole).
	Stated logs run will be in the Completion Report and submitted to the BLM.
No	Logs are planned based on well control or offset log information.
No	Drill stem test? If yes, explain
No	Coring? If yes, explain

Additional logs planned		Interval
No	Resistivity	
No	Density	
Yes	CBL	Production string
Yes	Mud log	Bone Spring – TD
No	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4405 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	151°F

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR part 3170 Subpart 3172. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S Plan attached

8. Other facets of operation

	Yes/No
Will the well be drilled with a walking/skidding operation? If yes, describe. We plan to drill the 3 well pad in batch by section: all surface sections, intermediate sections and production sections. The wellhead will be secured with a night cap whenever the rig is not over the well.	Yes
Will more than one drilling rig be used for drilling operations? If yes, describe. Oxy requests the option to contract a Surface Rig to drill, set surface casing, and cement for this well. If the timing between rigs is such that Oxy would not be able to preset surface, the Primary Rig will MIRU and drill the well in its entirety per the APD. Please see the attached document for information on the spudder rig.	Yes

Total Estimated Cuttings Volume: 1380 bbls

OXY

PRD NM DIRECTIONAL PLANS (NAD 1983)
Nugget 6_31
Nugget 6_31 Fed Com 25H

ORIG HOLE

Plan: Permitting Plan

Standard Planning Report

17 June, 2025

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Nugget 6_31 Fed Com 25H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 3483.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 3483.00ft
Site:	Nugget 6_31	**North Reference:**	Grid
Well:	Nugget 6_31 Fed Com 25H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Permitting Plan		

Project PRD NM DIRECTIONAL PLANS (NAD 1983)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site Nugget 6_31

Site Position:		**Northing:**	450,899.01 usft	**Latitude:**	32.238572
From:	Map	**Easting:**	698,758.94 usft	**Longitude:**	-103.824183
Position Uncertainty:	0.89 ft	**Slot Radius:**	13.200 in		

Well Nugget 6_31 Fed Com 25H

Well Position	**+N/-S**	0.00 ft	**Northing:**	452,376.70 usf	**Latitude:**	32.242589
	+E/-W	0.00 ft	**Easting:**	702,156.89 usf	**Longitude:**	-103.813170
Position Uncertainty		2.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	3,458.00 ft
Grid Convergence:		0.28 °				

Wellbore ORIG HOLE

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	4/2/2024	6.35	59.78	47,407.10000000

Design Permitting Plan

Audit Notes:

Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	1.00

Plan Survey Tool Program **Date** 6/17/2025

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	19,652.52	Permitting Plan (ORIG HOLE)	B005Mc_MWD+HRGM+SA MWD+HRGM+Sag+MSA	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,852.00	0.00	0.00	2,852.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,752.13	18.00	173.32	3,737.39	-139.30	16.31	2.00	2.00	0.00	173.32	
8,295.01	18.00	173.32	8,057.86	-1,533.80	179.61	0.00	0.00	0.00	0.00	
9,372.86	89.90	359.77	8,806.28	-989.42	204.65	10.00	6.67	-16.10	-173.23	
19,652.86	89.90	359.77	8,824.22	9,290.48	162.87	0.00	0.00	0.00	0.00	PBHL (Nugget 6_31

OXY

Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Nugget 6_31 Fed Com 25H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 3483.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 3483.00ft
Site:	Nugget 6_31	**North Reference:**	Grid
Well:	Nugget 6_31 Fed Com 25H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,820.00	0.00	0.00	2,820.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
2,852.00	0.00	0.00	2,852.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.96	173.32	2,900.00	-0.40	0.05	-0.40	2.00	2.00	0.00
3,000.00	2.96	173.32	2,999.93	-3.80	0.44	-3.79	2.00	2.00	0.00
3,100.00	4.96	173.32	3,099.69	-10.65	1.25	-10.63	2.00	2.00	0.00
3,200.00	6.96	173.32	3,199.14	-20.97	2.46	-20.92	2.00	2.00	0.00
3,300.00	8.96	173.32	3,298.18	-34.72	4.07	-34.64	2.00	2.00	0.00
3,400.00	10.96	173.32	3,396.66	-51.90	6.08	-51.78	2.00	2.00	0.00
3,500.00	12.96	173.32	3,494.49	-72.48	8.49	-72.32	2.00	2.00	0.00
3,600.00	14.96	173.32	3,591.53	-96.44	11.29	-96.23	2.00	2.00	0.00
3,700.00	16.96	173.32	3,687.67	-123.75	14.49	-123.48	2.00	2.00	0.00
3,720.16	17.36	173.32	3,706.93	-129.66	15.18	-129.37	2.00	2.00	0.00
Start 4522.49 hold at 3720.16 MD									
3,752.13	18.00	173.32	3,737.39	-139.30	16.31	-138.99	2.00	2.00	0.00
3,800.00	18.00	173.32	3,782.92	-154.00	18.03	-153.66	0.00	0.00	0.00
3,900.00	18.00	173.32	3,878.02	-184.69	21.63	-184.28	0.00	0.00	0.00
4,000.00	18.00	173.32	3,973.13	-215.39	25.22	-214.91	0.00	0.00	0.00
4,100.00	18.00	173.32	4,068.23	-246.08	28.82	-245.54	0.00	0.00	0.00
4,200.00	18.00	173.32	4,163.34	-276.78	32.41	-276.17	0.00	0.00	0.00
4,300.00	18.00	173.32	4,258.44	-307.48	36.01	-306.80	0.00	0.00	0.00
4,400.00	18.00	173.32	4,353.54	-338.17	39.60	-337.43	0.00	0.00	0.00
4,500.00	18.00	173.32	4,448.65	-368.87	43.19	-368.06	0.00	0.00	0.00
4,600.00	18.00	173.32	4,543.75	-399.57	46.79	-398.68	0.00	0.00	0.00
4,700.00	18.00	173.32	4,638.86	-430.26	50.38	-429.31	0.00	0.00	0.00
4,800.00	18.00	173.32	4,733.96	-460.96	53.98	-459.94	0.00	0.00	0.00

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Nugget 6_31 Fed Com 25H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 3483.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 3483.00ft
Site:	Nugget 6_31	**North Reference:**	Grid
Well:	Nugget 6_31 Fed Com 25H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,900.00	18.00	173.32	4,829.07	-491.66	57.57	-490.57	0.00	0.00	0.00
5,000.00	18.00	173.32	4,924.17	-522.35	61.17	-521.20	0.00	0.00	0.00
5,100.00	18.00	173.32	5,019.27	-553.05	64.76	-551.83	0.00	0.00	0.00
5,200.00	18.00	173.32	5,114.38	-583.74	68.36	-582.46	0.00	0.00	0.00
5,300.00	18.00	173.32	5,209.48	-614.44	71.95	-613.09	0.00	0.00	0.00
5,400.00	18.00	173.32	5,304.59	-645.14	75.54	-643.71	0.00	0.00	0.00
5,500.00	18.00	173.32	5,399.69	-675.83	79.14	-674.34	0.00	0.00	0.00
5,600.00	18.00	173.32	5,494.79	-706.53	82.73	-704.97	0.00	0.00	0.00
5,700.00	18.00	173.32	5,589.90	-737.23	86.33	-735.60	0.00	0.00	0.00
5,800.00	18.00	173.32	5,685.00	-767.92	89.92	-766.23	0.00	0.00	0.00
5,900.00	18.00	173.32	5,780.11	-798.62	93.52	-796.86	0.00	0.00	0.00
6,000.00	18.00	173.32	5,875.21	-829.32	97.11	-827.49	0.00	0.00	0.00
6,100.00	18.00	173.32	5,970.32	-860.01	100.71	-858.11	0.00	0.00	0.00
6,200.00	18.00	173.32	6,065.42	-890.71	104.30	-888.74	0.00	0.00	0.00
6,300.00	18.00	173.32	6,160.52	-921.40	107.90	-919.37	0.00	0.00	0.00
6,400.00	18.00	173.32	6,255.63	-952.10	111.49	-950.00	0.00	0.00	0.00
6,500.00	18.00	173.32	6,350.73	-982.80	115.08	-980.63	0.00	0.00	0.00
6,600.00	18.00	173.32	6,445.84	-1,013.49	118.68	-1,011.26	0.00	0.00	0.00
6,700.00	18.00	173.32	6,540.94	-1,044.19	122.27	-1,041.89	0.00	0.00	0.00
6,800.00	18.00	173.32	6,636.05	-1,074.89	125.87	-1,072.51	0.00	0.00	0.00
6,900.00	18.00	173.32	6,731.15	-1,105.58	129.46	-1,103.14	0.00	0.00	0.00
7,000.00	18.00	173.32	6,826.25	-1,136.28	133.06	-1,133.77	0.00	0.00	0.00
7,100.00	18.00	173.32	6,921.36	-1,166.97	136.65	-1,164.40	0.00	0.00	0.00
7,200.00	18.00	173.32	7,016.46	-1,197.67	140.25	-1,195.03	0.00	0.00	0.00
7,300.00	18.00	173.32	7,111.57	-1,228.37	143.84	-1,225.66	0.00	0.00	0.00
7,400.00	18.00	173.32	7,206.67	-1,259.06	147.44	-1,256.29	0.00	0.00	0.00
7,500.00	18.00	173.32	7,301.78	-1,289.76	151.03	-1,286.91	0.00	0.00	0.00
7,600.00	18.00	173.32	7,396.88	-1,320.46	154.62	-1,317.54	0.00	0.00	0.00
7,700.00	18.00	173.32	7,491.98	-1,351.15	158.22	-1,348.17	0.00	0.00	0.00
7,800.00	18.00	173.32	7,587.09	-1,381.85	161.81	-1,378.80	0.00	0.00	0.00
7,900.00	18.00	173.32	7,682.19	-1,412.55	165.41	-1,409.43	0.00	0.00	0.00
8,000.00	18.00	173.32	7,777.30	-1,443.24	169.00	-1,440.06	0.00	0.00	0.00
8,100.00	18.00	173.32	7,872.40	-1,473.94	172.60	-1,470.69	0.00	0.00	0.00
8,200.00	18.00	173.32	7,967.50	-1,504.63	176.19	-1,501.32	0.00	0.00	0.00
8,242.65	18.00	173.32	8,008.07	-1,517.73	177.72	-1,514.38	0.00	0.00	0.00
KOP - Build 11 degrees/ 100									
8,295.01	18.00	173.32	8,057.86	-1,533.80	179.61	-1,530.41	0.00	0.00	0.00
8,300.00	17.51	173.13	8,062.62	-1,535.31	179.79	-1,531.92	10.00	-9.93	-3.92
8,400.00	7.67	164.06	8,160.10	-1,556.72	183.43	-1,553.26	10.00	-9.83	-9.06
8,500.00	3.35	38.36	8,259.82	-1,560.86	187.08	-1,557.34	10.00	-4.33	-125.71
8,600.00	12.78	9.01	8,358.75	-1,547.61	190.63	-1,544.03	10.00	9.44	-29.34
8,700.00	22.71	4.76	8,453.87	-1,517.38	193.98	-1,513.74	10.00	9.92	-4.25
8,800.00	32.67	3.02	8,542.31	-1,471.07	197.01	-1,467.39	10.00	9.97	-1.74
8,900.00	42.66	2.03	8,621.37	-1,410.10	199.64	-1,406.39	10.00	9.98	-0.99
9,000.00	52.64	1.36	8,688.65	-1,336.32	201.79	-1,332.58	10.00	9.99	-0.67
9,087.52	61.39	0.90	8,736.26	-1,263.00	203.22	-1,259.24	10.00	9.99	-0.52
PPP-1 Cross									
9,100.00	62.63	0.84	8,742.11	-1,251.98	203.39	-1,248.22	10.00	9.99	-0.47
9,200.00	72.63	0.42	8,780.12	-1,159.63	204.40	-1,155.86	10.00	9.99	-0.43
9,224.25	75.05	0.32	8,786.87	-1,136.34	204.55	-1,132.58	10.00	9.99	-0.40
Landing Point									
9,300.00	82.62	0.03	8,801.53	-1,062.07	204.78	-1,058.32	10.00	9.99	-0.38
9,372.86	89.90	359.77	8,806.28	-989.42	204.65	-985.68	10.00	9.99	-0.37
9,400.00	89.90	359.77	8,806.33	-962.28	204.54	-958.55	0.00	0.00	0.00
9,500.00	89.90	359.77	8,806.50	-862.28	204.13	-858.57	0.00	0.00	0.00

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Nugget 6_31 Fed Com 25H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 3483.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 3483.00ft
Site:	Nugget 6_31	**North Reference:**	Grid
Well:	Nugget 6_31 Fed Com 25H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,600.00	89.90	359.77	8,806.68	-762.28	203.73	-758.59	0.00	0.00	0.00
9,700.00	89.90	359.77	8,806.85	-662.28	203.32	-658.62	0.00	0.00	0.00
9,800.00	89.90	359.77	8,807.03	-562.28	202.91	-558.64	0.00	0.00	0.00
9,900.00	89.90	359.77	8,807.20	-462.28	202.51	-458.66	0.00	0.00	0.00
10,000.00	89.90	359.77	8,807.37	-362.28	202.10	-358.69	0.00	0.00	0.00
10,100.00	89.90	359.77	8,807.55	-262.29	201.69	-258.71	0.00	0.00	0.00
10,200.00	89.90	359.77	8,807.72	-162.29	201.29	-158.73	0.00	0.00	0.00
10,300.00	89.90	359.77	8,807.90	-62.29	200.88	-58.76	0.00	0.00	0.00
10,400.00	89.90	359.77	8,808.07	37.71	200.47	41.22	0.00	0.00	0.00
10,500.00	89.90	359.77	8,808.25	137.71	200.07	141.20	0.00	0.00	0.00
10,600.00	89.90	359.77	8,808.42	237.71	199.66	241.17	0.00	0.00	0.00
10,700.00	89.90	359.77	8,808.60	337.71	199.26	341.15	0.00	0.00	0.00
10,800.00	89.90	359.77	8,808.77	437.71	198.85	441.13	0.00	0.00	0.00
10,900.00	89.90	359.77	8,808.94	537.71	198.44	541.10	0.00	0.00	0.00
11,000.00	89.90	359.77	8,809.12	637.71	198.04	641.08	0.00	0.00	0.00
11,100.00	89.90	359.77	8,809.29	737.70	197.63	741.06	0.00	0.00	0.00
11,200.00	89.90	359.77	8,809.47	837.70	197.22	841.03	0.00	0.00	0.00
11,300.00	89.90	359.77	8,809.64	937.70	196.82	941.01	0.00	0.00	0.00
11,400.00	89.90	359.77	8,809.82	1,037.70	196.41	1,040.99	0.00	0.00	0.00
11,500.00	89.90	359.77	8,809.99	1,137.70	196.00	1,140.96	0.00	0.00	0.00
11,600.00	89.90	359.77	8,810.17	1,237.70	195.60	1,240.94	0.00	0.00	0.00
11,700.00	89.90	359.77	8,810.34	1,337.70	195.19	1,340.91	0.00	0.00	0.00
11,800.00	89.90	359.77	8,810.52	1,437.70	194.78	1,440.89	0.00	0.00	0.00
11,900.00	89.90	359.77	8,810.69	1,537.70	194.38	1,540.87	0.00	0.00	0.00
12,000.00	89.90	359.77	8,810.86	1,637.70	193.97	1,640.84	0.00	0.00	0.00
12,100.00	89.90	359.77	8,811.04	1,737.69	193.57	1,740.82	0.00	0.00	0.00
12,200.00	89.90	359.77	8,811.21	1,837.69	193.16	1,840.80	0.00	0.00	0.00
12,300.00	89.90	359.77	8,811.39	1,937.69	192.75	1,940.77	0.00	0.00	0.00
12,400.00	89.90	359.77	8,811.56	2,037.69	192.35	2,040.75	0.00	0.00	0.00
12,500.00	89.90	359.77	8,811.74	2,137.69	191.94	2,140.73	0.00	0.00	0.00
12,600.00	89.90	359.77	8,811.91	2,237.69	191.53	2,240.70	0.00	0.00	0.00
12,700.00	89.90	359.77	8,812.09	2,337.69	191.13	2,340.68	0.00	0.00	0.00
12,800.00	89.90	359.77	8,812.26	2,437.69	190.72	2,440.66	0.00	0.00	0.00
12,900.00	89.90	359.77	8,812.43	2,537.69	190.31	2,540.63	0.00	0.00	0.00
13,000.00	89.90	359.77	8,812.61	2,637.69	189.91	2,640.61	0.00	0.00	0.00
13,100.00	89.90	359.77	8,812.78	2,737.69	189.50	2,740.59	0.00	0.00	0.00
13,200.00	89.90	359.77	8,812.96	2,837.68	189.10	2,840.56	0.00	0.00	0.00
13,300.00	89.90	359.77	8,813.13	2,937.68	188.69	2,940.54	0.00	0.00	0.00
13,400.00	89.90	359.77	8,813.31	3,037.68	188.28	3,040.52	0.00	0.00	0.00
13,500.00	89.90	359.77	8,813.48	3,137.68	187.88	3,140.49	0.00	0.00	0.00
13,600.00	89.90	359.77	8,813.66	3,237.68	187.47	3,240.47	0.00	0.00	0.00
13,700.00	89.90	359.77	8,813.83	3,337.68	187.06	3,340.45	0.00	0.00	0.00
13,800.00	89.90	359.77	8,814.00	3,437.68	186.66	3,440.42	0.00	0.00	0.00
13,900.00	89.90	359.77	8,814.18	3,537.68	186.25	3,540.40	0.00	0.00	0.00
14,000.00	89.90	359.77	8,814.35	3,637.68	185.84	3,640.38	0.00	0.00	0.00
14,100.00	89.90	359.77	8,814.53	3,737.68	185.44	3,740.35	0.00	0.00	0.00
14,200.00	89.90	359.77	8,814.70	3,837.67	185.03	3,840.33	0.00	0.00	0.00
14,300.00	89.90	359.77	8,814.88	3,937.67	184.62	3,940.30	0.00	0.00	0.00
14,389.33	89.90	359.77	8,815.03	4,027.00	184.26	4,029.61	0.00	0.00	0.00
PPP-2 Cross									
14,400.00	89.90	359.77	8,815.05	4,037.67	184.22	4,040.28	0.00	0.00	0.00
14,500.00	89.90	359.77	8,815.23	4,137.67	183.81	4,140.26	0.00	0.00	0.00
14,600.00	89.90	359.77	8,815.40	4,237.67	183.41	4,240.23	0.00	0.00	0.00
14,700.00	89.90	359.77	8,815.58	4,337.67	183.00	4,340.21	0.00	0.00	0.00
14,800.00	89.90	359.77	8,815.75	4,437.67	182.59	4,440.19	0.00	0.00	0.00

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Nugget 6_31 Fed Com 25H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 3483.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 3483.00ft
Site:	Nugget 6_31	**North Reference:**	Grid
Well:	Nugget 6_31 Fed Com 25H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,900.00	89.90	359.77	8,815.92	4,537.67	182.19	4,540.16	0.00	0.00	0.00
15,000.00	89.90	359.77	8,816.10	4,637.67	181.78	4,640.14	0.00	0.00	0.00
15,100.00	89.90	359.77	8,816.27	4,737.67	181.37	4,740.12	0.00	0.00	0.00
15,200.00	89.90	359.77	8,816.45	4,837.66	180.97	4,840.09	0.00	0.00	0.00
15,300.00	89.90	359.77	8,816.62	4,937.66	180.56	4,940.07	0.00	0.00	0.00
15,400.00	89.90	359.77	8,816.80	5,037.66	180.15	5,040.05	0.00	0.00	0.00
15,500.00	89.90	359.77	8,816.97	5,137.66	179.75	5,140.02	0.00	0.00	0.00
15,600.00	89.90	359.77	8,817.15	5,237.66	179.34	5,240.00	0.00	0.00	0.00
15,700.00	89.90	359.77	8,817.32	5,337.66	178.93	5,339.98	0.00	0.00	0.00
15,710.34	89.90	359.77	8,817.34	5,348.00	178.89	5,350.31	0.00	0.00	0.00
PPP-3 Cross									
15,800.00	89.90	359.77	8,817.49	5,437.66	178.53	5,439.95	0.00	0.00	0.00
15,900.00	89.90	359.77	8,817.67	5,537.66	178.12	5,539.93	0.00	0.00	0.00
16,000.00	89.90	359.77	8,817.84	5,637.66	177.72	5,639.91	0.00	0.00	0.00
16,100.00	89.90	359.77	8,818.02	5,737.66	177.31	5,739.88	0.00	0.00	0.00
16,200.00	89.90	359.77	8,818.19	5,837.65	176.90	5,839.86	0.00	0.00	0.00
16,300.00	89.90	359.77	8,818.37	5,937.65	176.50	5,939.84	0.00	0.00	0.00
16,400.00	89.90	359.77	8,818.54	6,037.65	176.09	6,039.81	0.00	0.00	0.00
16,500.00	89.90	359.77	8,818.72	6,137.65	175.68	6,139.79	0.00	0.00	0.00
16,600.00	89.90	359.77	8,818.89	6,237.65	175.28	6,239.77	0.00	0.00	0.00
16,700.00	89.90	359.77	8,819.07	6,337.65	174.87	6,339.74	0.00	0.00	0.00
16,800.00	89.90	359.77	8,819.24	6,437.65	174.46	6,439.72	0.00	0.00	0.00
16,900.00	89.90	359.77	8,819.41	6,537.65	174.06	6,539.69	0.00	0.00	0.00
17,000.00	89.90	359.77	8,819.59	6,637.65	173.65	6,639.67	0.00	0.00	0.00
17,031.35	89.90	359.77	8,819.64	6,669.00	173.52	6,671.01	0.00	0.00	0.00
PPP-4 Cross									
17,100.00	89.90	359.77	8,819.76	6,737.65	173.25	6,739.65	0.00	0.00	0.00
17,200.00	89.90	359.77	8,819.94	6,837.65	172.84	6,839.62	0.00	0.00	0.00
17,300.00	89.90	359.77	8,820.11	6,937.64	172.43	6,939.60	0.00	0.00	0.00
17,400.00	89.90	359.77	8,820.29	7,037.64	172.03	7,039.58	0.00	0.00	0.00
17,500.00	89.90	359.77	8,820.46	7,137.64	171.62	7,139.55	0.00	0.00	0.00
17,600.00	89.90	359.77	8,820.64	7,237.64	171.21	7,239.53	0.00	0.00	0.00
17,700.00	89.90	359.77	8,820.81	7,337.64	170.81	7,339.51	0.00	0.00	0.00
17,800.00	89.90	359.77	8,820.98	7,437.64	170.40	7,439.48	0.00	0.00	0.00
17,900.00	89.90	359.77	8,821.16	7,537.64	169.99	7,539.46	0.00	0.00	0.00
18,000.00	89.90	359.77	8,821.33	7,637.64	169.59	7,639.44	0.00	0.00	0.00
18,100.00	89.90	359.77	8,821.51	7,737.64	169.18	7,739.41	0.00	0.00	0.00
18,200.00	89.90	359.77	8,821.68	7,837.64	168.77	7,839.39	0.00	0.00	0.00
18,300.00	89.90	359.77	8,821.86	7,937.63	168.37	7,939.37	0.00	0.00	0.00
18,400.00	89.90	359.77	8,822.03	8,037.63	167.96	8,039.34	0.00	0.00	0.00
18,500.00	89.90	359.77	8,822.21	8,137.63	167.56	8,139.32	0.00	0.00	0.00
18,600.00	89.90	359.77	8,822.38	8,237.63	167.15	8,239.30	0.00	0.00	0.00
18,700.00	89.90	359.77	8,822.55	8,337.63	166.74	8,339.27	0.00	0.00	0.00
18,800.00	89.90	359.77	8,822.73	8,437.63	166.34	8,439.25	0.00	0.00	0.00
18,900.00	89.90	359.77	8,822.90	8,537.63	165.93	8,539.23	0.00	0.00	0.00
19,000.00	89.90	359.77	8,823.08	8,637.63	165.52	8,639.20	0.00	0.00	0.00
19,100.00	89.90	359.77	8,823.25	8,737.63	165.12	8,739.18	0.00	0.00	0.00
19,200.00	89.90	359.77	8,823.43	8,837.63	164.71	8,839.15	0.00	0.00	0.00
19,300.00	89.90	359.77	8,823.60	8,937.62	164.30	8,939.13	0.00	0.00	0.00
19,400.00	89.90	359.77	8,823.78	9,037.62	163.90	9,039.11	0.00	0.00	0.00
19,500.00	89.90	359.77	8,823.95	9,137.62	163.49	9,139.08	0.00	0.00	0.00
19,554.25	89.90	359.77	8,824.05	9,191.87	163.27	9,193.32	0.00	0.00	0.00
TD at 19554.25									
19,600.00	89.90	359.77	8,824.13	9,237.62	163.09	9,239.06	0.00	0.00	0.00

OXY
Planning Report

Database:	HOPSPP	**Local Co-ordinate Reference:**	Well Nugget 6_31 Fed Com 25H
Company:	ENGINEERING DESIGNS	**TVD Reference:**	RKB=25' @ 3483.00ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	**MD Reference:**	RKB=25' @ 3483.00ft
Site:	Nugget 6_31	**North Reference:**	Grid
Well:	Nugget 6_31 Fed Com 25H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
19,652.86	89.90	359.77	8,824.22	9,290.48	162.87	9,291.91	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (Nugget 6_31 - plan misses target center by 1576.36ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	-1,562.71	206.98	450,814.09	702,363.86	32.238291	-103.812525
FTP (Nugget 6_31 Fed - plan misses target center by 25.63ft at 9204.27ft MD (8781.38 TVD, -1155.55 N, 204.43 E) - Point	0.00	0.00	8,805.98	-1,162.68	205.35	451,214.09	702,362.23	32.239390	-103.812524
PBHL (Nugget 6_31 - plan hits target center - Point	0.00	0.01	8,824.22	9,290.48	162.87	461,666.59	702,319.75	32.268122	-103.812498

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
562.00	562.00	RUSTLER			
941.00	941.00	SALADO			
2,000.00	2,000.00	MARKER BED 126		0.00	
2,816.00	2,816.00	CASTILE			
4,237.50	4,199.00	DELAWARE			
4,263.79	4,224.00	BELL CANYON			
5,231.15	5,144.00	CHERRY CANYON			
6,540.24	6,389.00	BRUSHY CANYON			
8,288.85	8,052.00	BONE SPRING			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
2,820.00	2,820.00	0.00	0.00	Start Build 2.00
3,720.16	3,706.93	-129.66	15.18	Start 4522.49 hold at 3720.16 MD
8,242.65	8,008.07	-1,517.73	177.72	KOP - Build 11 degrees/ 100
9,087.52	8,736.26	-1,263.00	203.22	PPP-1 Cross
9,224.25	8,786.87	-1,136.34	204.55	Landing Point
14,389.33	8,815.03	4,027.00	184.26	PPP-2 Cross
15,710.34	8,817.34	5,348.00	178.89	PPP-3 Cross
17,031.35	8,819.64	6,669.00	173.52	PPP-4 Cross
19,554.25	8,824.05	9,191.87	163.27	TD at 19554.25

Oxy Blanket Design - Casing Design "A"

1. Casing Program

The designs and associated details listed in this document are the "worst case scenario" boundaries for design safety factors.

Location and lithology have NOT been accounted for in these designs; however, the designs are NOT valid for wells within KPLA Boundaries or Capitan Reef areas. The specific well details will be based on the APD/Sundry package and the information listed in the COA.

The mud program listed below will remain the same between each design variation.

Hole will be full during casing run for well control and tensile SF.

Casing will be kept at least half full during run for these designs to meet BLM collapse SF requirement.

Design Variation "A1"

		MD		TVD					
Section	Hole Size (in)	From (ft)	To (ft)	From (ft)	To (ft)	Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
Surface	14.75	0	1200	0	1200	10.75	45.5	J-55	BTC
Intermediate	9.875	0	13111*	0	12775*	7.625	26.4	L-80 HC	BTC Axis HT GBCD
Production	6.75	0	23361	0	12775	5.5	20	P-110	Wedge 461 Sprint SF DWC/C-HT-IS

*Curve could be in intermediate or production section

Design Variation "A2" - Option to Pivot to Design "B" for Contingency 4S

		MD		TVD					
Section	Hole Size (in)	From (ft)	To (ft)	From (ft)	To (ft)	Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
Surface	17.5	0	1200	0	1200	13.375	54.5	J-55	BTC
Intermediate	12.25†	0	13111*	0	12775*	7.625	26.4	L-80 HC	BTC Axis HT GBCD
Production	6.75	0	23361	0	12775	5.5	20	P-110	Wedge 461 Sprint SF DWC/C-HT-IS

*Curve could be in intermediate or production section

†If 4S Contingency is not required, Oxy requests permission to transition from 12.25" to 9.875" Intermediate at some point during the hole section. Cement volumes will be updated on C103 submission.

All casing strings will be tested in accordance with 43 CFR part 3170 Subpart 3172

Oxy Blanket Design - Casing Design "A"

All Casing SF Values will meet or exceed those below			
SF Collapse	**SF Burst**	**Body SF Tension**	**Joint SF Tension**
1.00	1.100	1.4	1.4

§Annular Clearance Variance Request

As per the agreement reached in the Oxy/BLM face-to-face meeting on Feb 22, 2018, Oxy requests permission to allow deviation from the 0.422" annular clearance requirement. Please see Annular Clearance Variance attachment for further details.

§Annular Clearance Variance Request may not apply to all connections used or presented.

2. Trajectory / Boundary Conditions

	MD		TVD			
Section	**Deepest KOP (ft)**	**End Build (ft)**	**Deepest KOP (ft)**	**End Build (ft)**	**Max. Angle**	**Max. Planned DLS**
Surface	0	1200	0	1200	5°	1°/100 ft
Intermediate	5000 (inside Cherry Canyon)	6500	4980	6390	20°	2°/100 ft
	12211	13111	12202	12775	92° ‡	12°/100 ft ‡
Production	12211 (~100' MD past ICP)	13111	12202	12775	92° ‡	12°/100 ft ‡

‡ Applies only when intermediate casing depth is deepened to landing point to match TVD of production in some areas where required to accommodate higher MWs in depleted areas.

Oxy has reviewed casing burst, collapse, and axial loadcases in Landmark StressCheck with the boundary conditions in the table above which satisfies Oxy and BLM minimum design criteria. Triaxial plots for each casing string is shown in Section 7 and intermediate load case inputs are shown in Section 8.

Oxy Blanket Design - Casing Design "A"

3. Cementing Program

NOTE: Blanket design is for technical review only. The cement volumes will be adjusted to ensure cement tops meet BLM requirements.

Design Variation "A1"

Section	Stage	Slurry:	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	819	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	658	1.68	13.2	5%	7,206	Circulate	Class C+Ret., Disper.
Int.	2	Intermediate 2S - Tail BH	1111	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	665	1.84	13.3	25%	11,611	Circulate	Class C+Ret.
Prod.	2*	Production - Tail BH*	TBD	1.84	13.3	50%	500' inside prev csg	Circulate	Class C+Ret.

**Only applies in scenario where planned single stage job TOC is not 500' above previous shoe as designed/programmed requiring bradenhead 2nd stage to meet requirements*

Design Variation "A2"

Section	Stage	Slurry:	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	1023	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	658	1.68	13.2	5%	7,206	Circulate	Class C+Ret., Disper.
Int.	2	Intermediate 2S - Tail BH	1293	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	665	1.84	13.3	25%	11,611	Circulate	Class C+Ret.
Prod.	2*	Production - Tail BH*	TBD	1.84	13.3	50%	500' inside prev csg	Circulate	Class C+Ret.

**Only applies in scenario where planned single stage job TOC is not 500' above previous shoe as designed/programmed requiring bradenhead 2nd stage to meet requirements*

As Reviewed and Approved by BLM on Feb 8, 2024: Oxy uses a Class C / Pozzolan mix on its production cement slurry, which has the same fluid properties as Class H, and has been pilot and field blend tested to have as good or better compressive strength development at our target densities.

Offline Cementing Request

Oxy requests a variance to cement the 9.625" and/or 7.625" intermediate casing strings offline in accordance to the approved variance, EC Tran 461365. Please see Offline Cementing Variance attachment for further details.

Bradenhead CBL Request

Oxy requests permission to adjust the CBL requirement after bradenhead cement jobs, on 7-5/8" intermediate casings, as per the agreement reached in the OXY/BLM meeting on September 5, 2019. Please see Bradenhead CBL Variance attachment for further details.

Oxy Blanket Design - Casing Design "A"

4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:	Deepest TVD Depth (ft) per Section:
9.875" Hole	13-5/8"	5M	Annular	✓	70% of working pressure	12775**
		5M	Blind Ram	✓	250 psi / 5000 psi	
			Pipe Ram			
			Double Ram	✓		
			Other*			
6.75" Hole	13-5/8"	5M	Annular	✓	100% of working pressure	12775
		10M	Blind Ram	✓	250 psi / 10000 psi	
			Pipe Ram			
			Double Ram	✓		
			Other*			

*Specify if additional ram is utilized
**Curve could be in intermediate or production section

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

5M Annular BOP Request

Per BLM's Memorandum No. NM-2017-008: *Decision and Rationale for a Variance Allowing the Use of a 5M Annular Preventer with a 10M BOP Stack*, Oxy requests to employ a 5M annular with a 10M BOPE stack in the pilot and lateral sections of the well and will ensure that two barriers to flow are

Oxy Blanket Design - Casing Design "A"

Formation integrity test will be performed per 43 CFR part 3170 Subpart 3172.
On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR part 3170 Subpart 3172.

A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. Coflex hoses are in compliance with API 16C and meets inspection and testing requirements. See attached for specs and hydrostatic test chart.	
Y	Are anchors required by manufacturer?

A multibowl or a unionized multibowl wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per 43 CFR part 3170 Subpart 3172 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. We will test the flange connection of the wellhead with a test port that is directly in the flange. We are proposing that we will run the wellhead through the rotary prior to cementing surface casing as discussed with the BLM on October 8, 2015.

See attached Schematics.

BOP Break Testing Request

Oxy requests permission to adjust the BOP break testing requirements as per the agreement reached in the OXY/BLM meeting on September 5, 2019. Please see BOP Break Testing Variance attachment for further details.

Hammer Union Variance

Oxy requests permission for hammer unions behind the choke to be routed to the gas buster. The hammer unions will not be subject to wellbore pressure in compliance with API STD 53.

Oxy will use Cameron ADAPT wellhead system that uses an OEC top flange connection. This connection has been fully vetted and verified by API to Spec 6A and carries an API monogram.

Oxy Blanket Design - Casing Design "A"

5. Mud Program & Drilling Conditions

Section	Depth - MD		Depth - TVD		Type	Weight (ppg)	Viscosity	Water Loss
	From (ft)	To (ft)	From (ft)	To (ft)				
Surface	0	1200	0	1200	Water-Based Mud	8.6 - 8.8	40-60	N/C
Intermediate	1200	13111*	1200	12775*	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C
Production	13111	23361	12775	12775	Water-Based or Oil-Based Mud	9.5 - 13.5	38-50	N/C

Curve could be in intermediate or production section

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.

Drilling Blind Request

In the event total losses are encountered in the intermediate section, Oxy requests permission to drill blind due to depleted formations where risk of hydrocarbon kicks are unlikely.

- Oxy will first attempt to cure losses before proceeding with drilling blind
- Drilling blind will only be allowed in the Castille and formations below
- While drilling blind, will monitor backside by filling-up on connections and utilize gas monitors
- Depths at which losses occurred and attempt to cure losses with relevant details (LCM sweep info, etc.) will be documented in the drillers log and Subsequent Reports to the BLM.
- If a well control event (hydrocarbon kick) occurs while drilling blind, the BLM will be notified after the well is secured and returned to static.

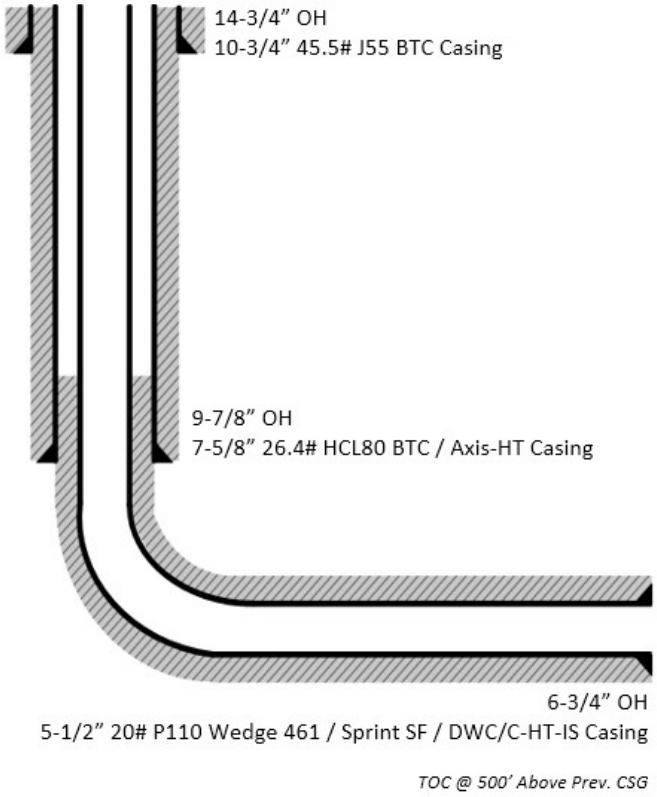
What will be used to monitor the loss or gain of fluid?	PVT/MD Totco/Visual Monitoring

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

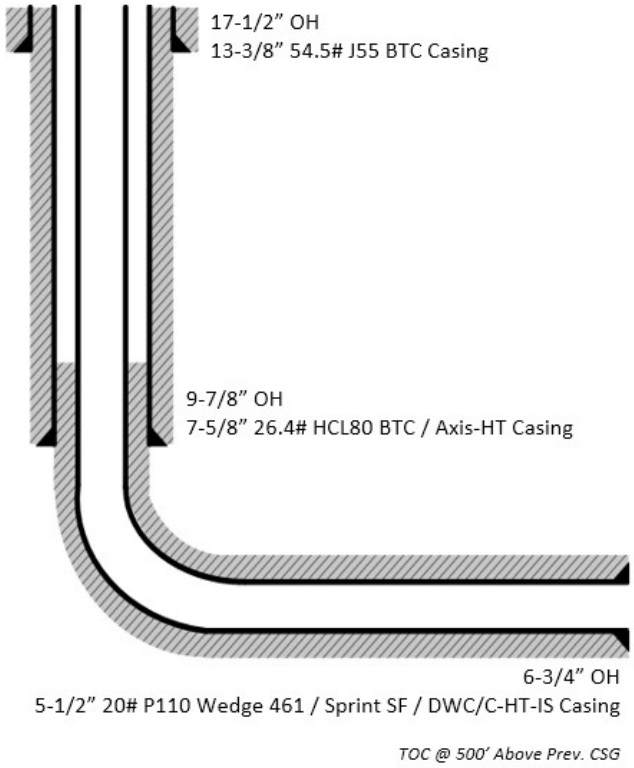
Oxy Blanket Design - Casing Design “A”

6. Wellbore Diagram(s)

Design Variation “A1”

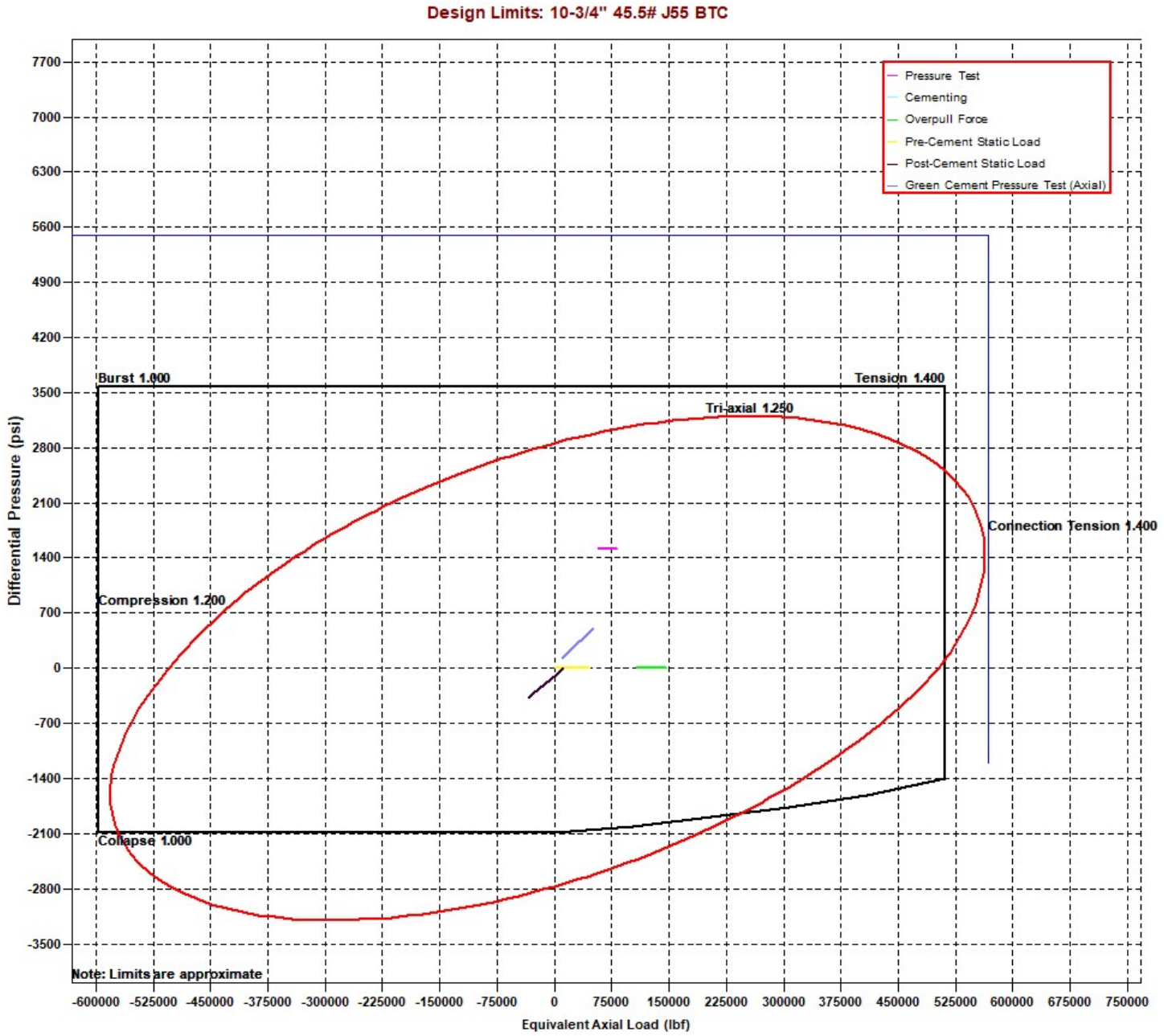


Design Variation “A2”

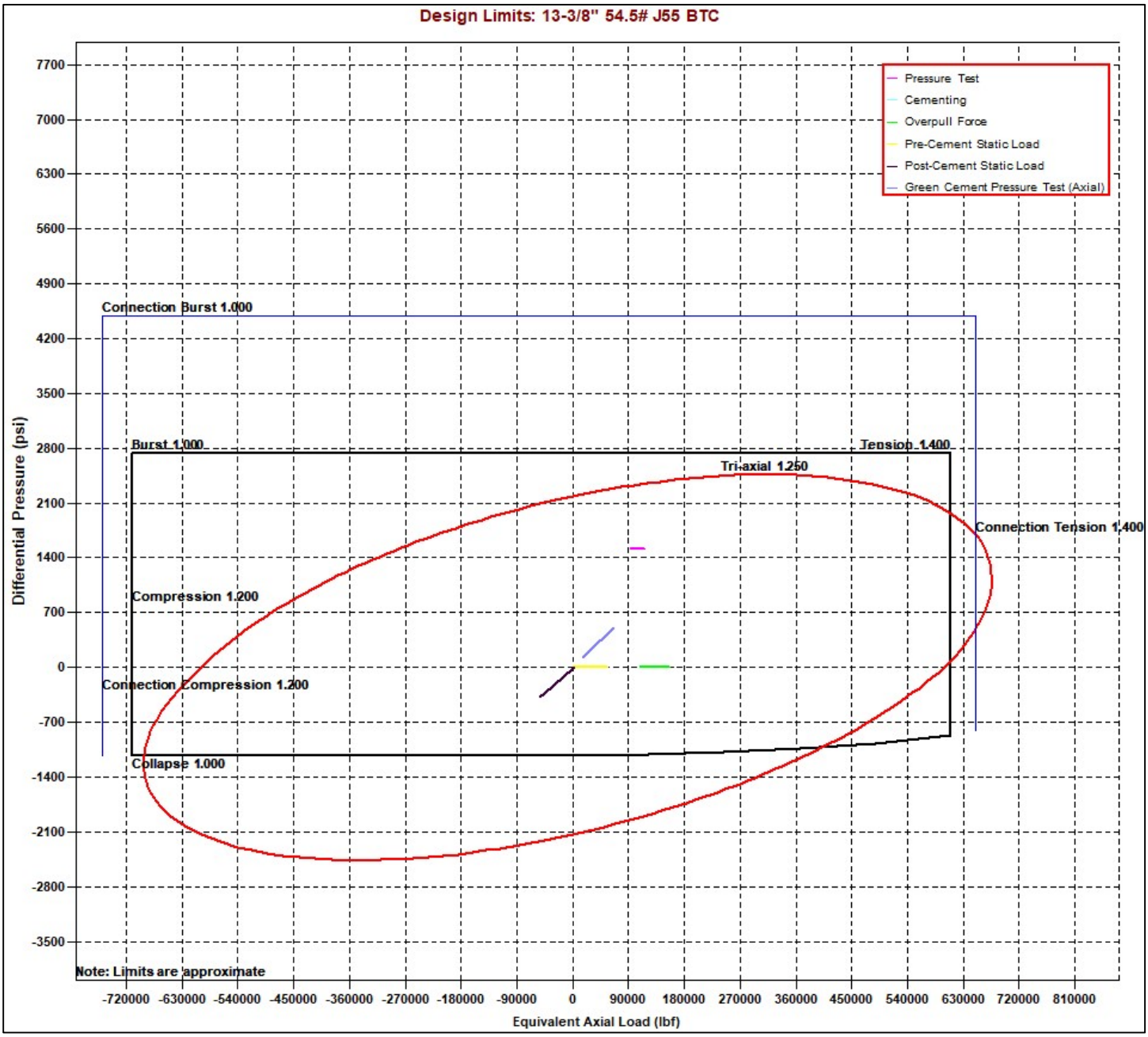


Oxy Blanket Design - Casing Design "A"

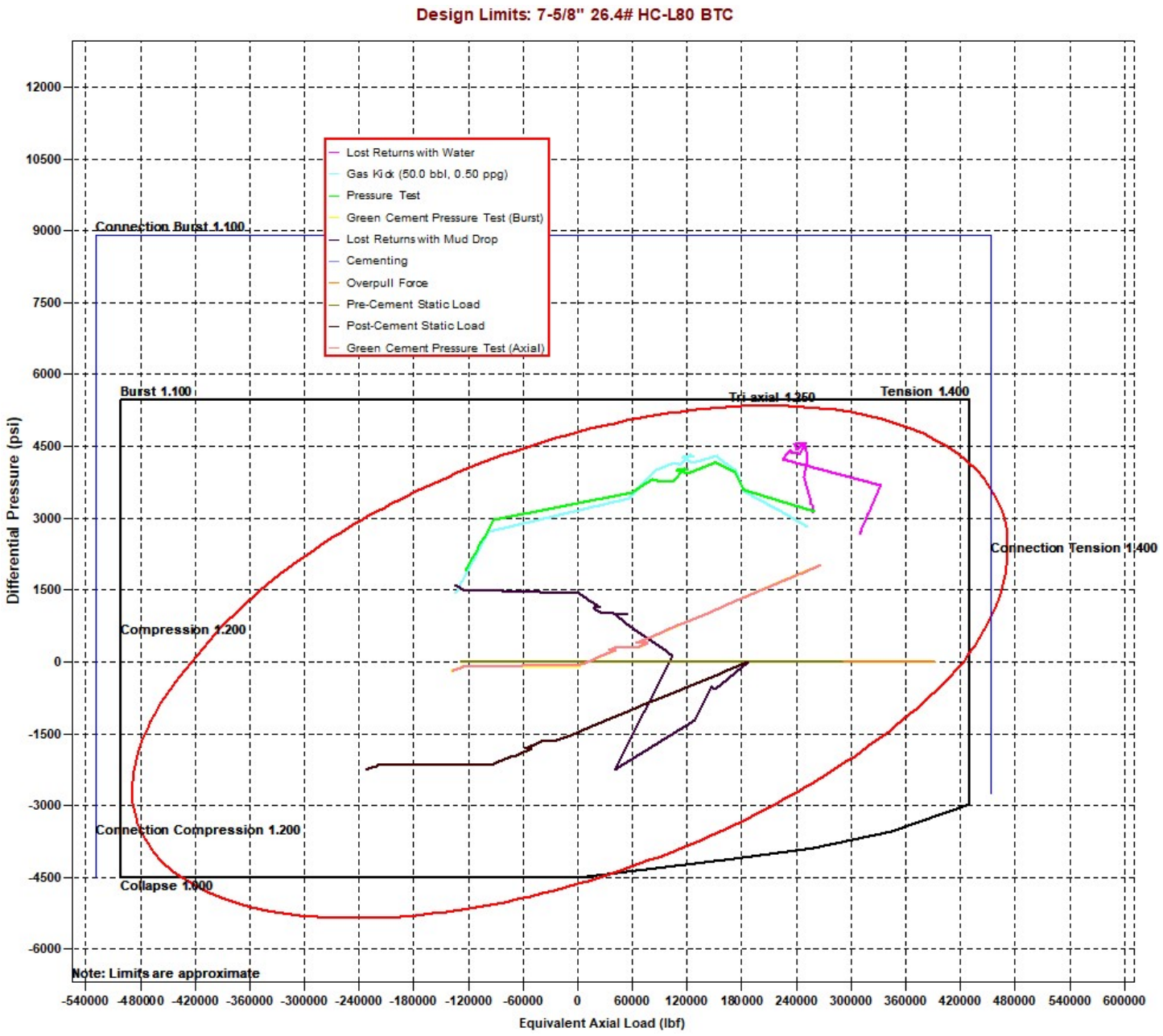
7. Landmark StressCheck Screenshots – Triaxial Output



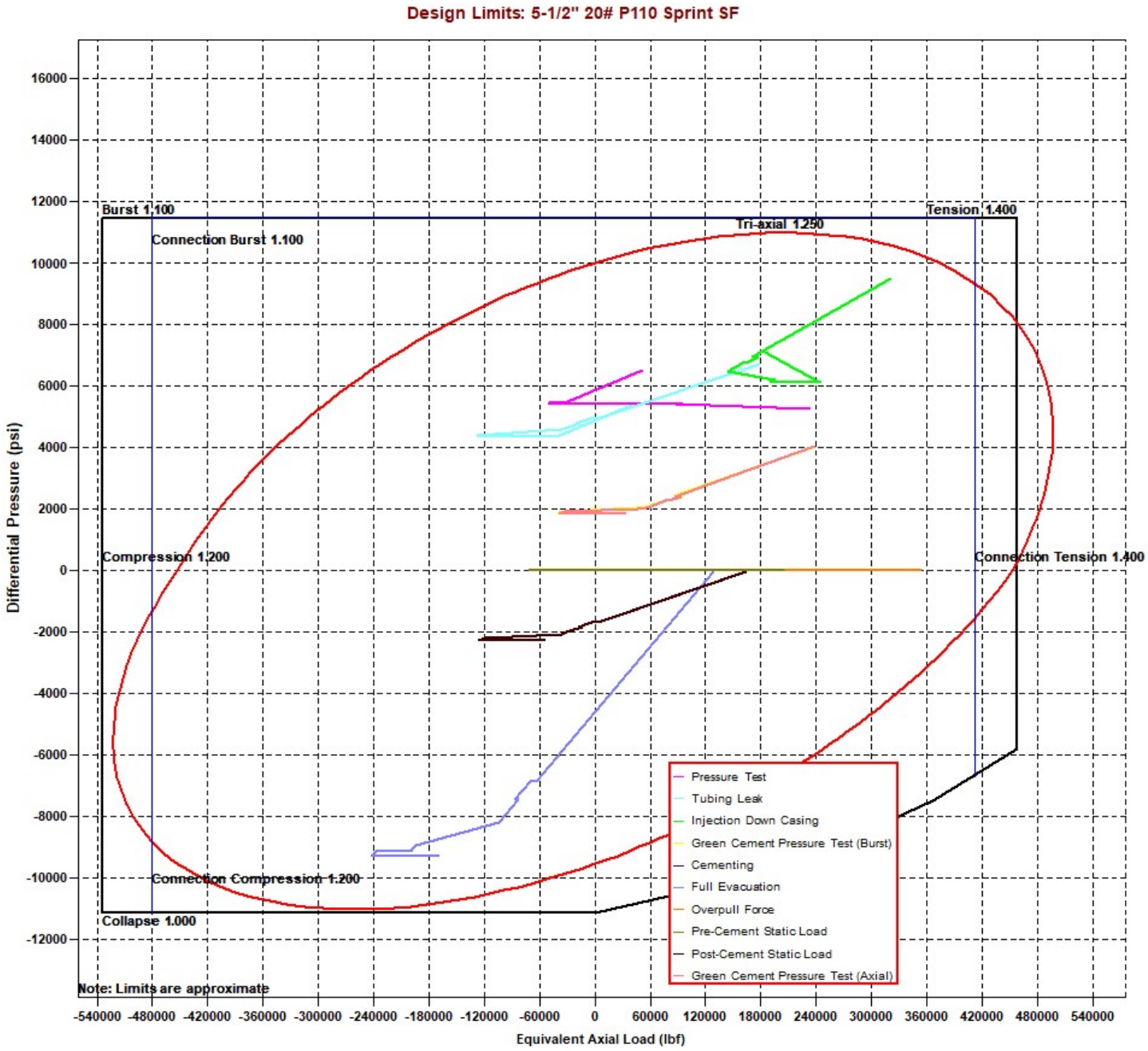
Oxy Blanket Design - Casing Design "A"



Oxy Blanket Design - Casing Design "A"



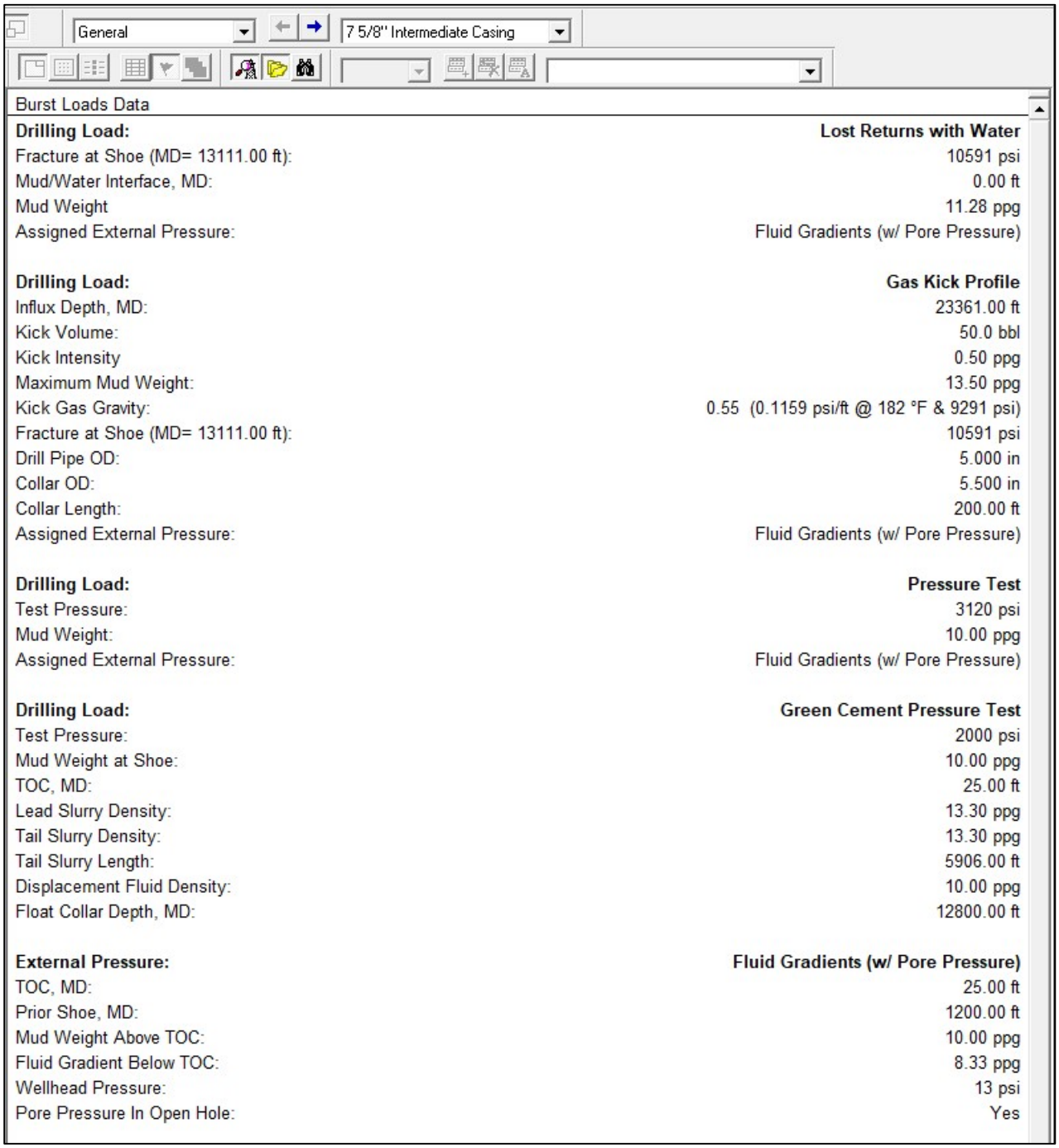
Oxy Blanket Design - Casing Design "A"



Oxy Blanket Design - Casing Design "A"

8. Landmark StressCheck Screenshots – Inputs for Intermediate CSG Load Cases

Burst Load Cases



Burst Loads Data

Drilling Load:	**Lost Returns with Water**
Fracture at Shoe (MD= 13111.00 ft):	10591 psi
Mud/Water Interface, MD:	0.00 ft
Mud Weight	11.28 ppg
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Gas Kick Profile**
Influx Depth, MD:	23361.00 ft
Kick Volume:	50.0 bbl
Kick Intensity	0.50 ppg
Maximum Mud Weight:	13.50 ppg
Kick Gas Gravity:	0.55 (0.1159 psi/ft @ 182 °F & 9291 psi)
Fracture at Shoe (MD= 13111.00 ft):	10591 psi
Drill Pipe OD:	5.000 in
Collar OD:	5.500 in
Collar Length:	200.00 ft
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Pressure Test**
Test Pressure:	3120 psi
Mud Weight:	10.00 ppg
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Green Cement Pressure Test**
Test Pressure:	2000 psi
Mud Weight at Shoe:	10.00 ppg
TOC, MD:	25.00 ft
Lead Slurry Density:	13.30 ppg
Tail Slurry Density:	13.30 ppg
Tail Slurry Length:	5906.00 ft
Displacement Fluid Density:	10.00 ppg
Float Collar Depth, MD:	12800.00 ft
External Pressure:	**Fluid Gradients (w/ Pore Pressure)**
TOC, MD:	25.00 ft
Prior Shoe, MD:	1200.00 ft
Mud Weight Above TOC:	10.00 ppg
Fluid Gradient Below TOC:	8.33 ppg
Wellhead Pressure:	13 psi
Pore Pressure In Open Hole:	Yes

Oxy Blanket Design - Casing Design "A"

Collapse Load Cases

General | 7 5/8" Intermediate Casing

Collapse Loads Data

Drilling Load:	**Cementing**
Mud Weight at Shoe:	10.00 ppg
TOC, MD:	25.00 ft
Lead Slurry Density:	13.30 ppg
Tail Slurry Density:	13.30 ppg
Tail Slurry Length:	5906.00 ft
Displacement Fluid Density:	10.00 ppg
Float Collar Depth, MD:	12800.00 ft
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Lost Returns with Mud Drop**
Lost Returns Depth, MD:	13110.89 ft
Pore Pressure at Lost Returns Depth:	8183 psi
Pore Pressure Gradient at Lost Returns Depth:	12.33 ppg
Mud Weight:	13.50 ppg
Mud Drop Level, MD:	1106.39 ft
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
External Pressure:	**Fluid Gradients (w/ Pore Pressure)**
TOC, MD:	25.00 ft
Prior Shoe, MD:	1200.00 ft
Fluid Gradient Above TOC:	10.00 ppg
Fluid Gradient Below TOC:	10.00 ppg
Wellhead Pressure:	13 psi
Pore Pressure In Open Hole Below TOC:	No

Axial Load Cases

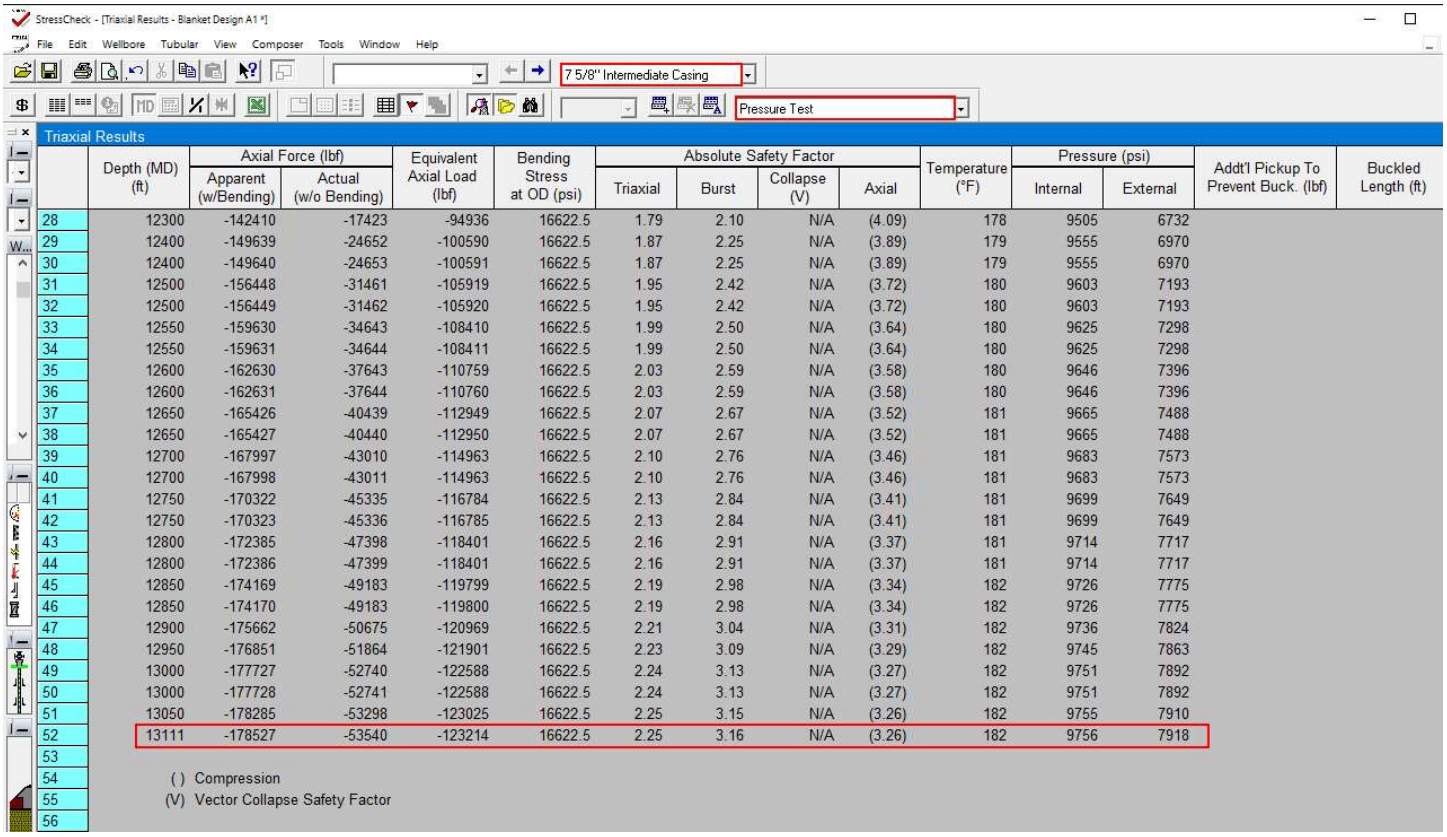
General | 7 5/8" Intermediate Casing

Axial Loads Data

Overpull Force:	100000 lbf
Pre-Cement Static Load:	Yes
Pickup Force:	0 lbf
Post-Cement Static Load:	Yes
Green Cement Pressure Test:	2000 psi
Service Loads:	Yes

Oxy Blanket Design - Casing Design "A"

9. Landmark StressCheck Screenshot – Int. Casing Triaxial Results Table (Pressure Test)



Triaxial Results

	Depth (MD) (ft)	Axial Force (lbf) Apparent (w/Bending)	Axial Force (lbf) Actual (w/o Bending)	Equivalent Axial Load (lbf)	Bending Stress at OD (psi)	Absolute Safety Factor Triaxial	Burst	Collapse (V)	Axial	Temperature (°F)	Pressure (psi) Internal	Pressure (psi) External	Addt'l Pickup To Prevent Buck. (lbf)	Buckled Length (ft)
28	12300	-142410	-17423	-94936	16622.5	1.79	2.10	N/A	(4.09)	178	9505	6732		
29	12400	-149639	-24652	-100590	16622.5	1.87	2.25	N/A	(3.89)	179	9555	6970		
30	12400	-149640	-24653	-100591	16622.5	1.87	2.25	N/A	(3.89)	179	9555	6970		
31	12500	-156448	-31461	-105919	16622.5	1.95	2.42	N/A	(3.72)	180	9603	7193		
32	12500	-156449	-31462	-105920	16622.5	1.95	2.42	N/A	(3.72)	180	9603	7193		
33	12550	-159630	-34643	-108410	16622.5	1.99	2.50	N/A	(3.64)	180	9625	7298		
34	12550	-159631	-34644	-108411	16622.5	1.99	2.50	N/A	(3.64)	180	9625	7298		
35	12600	-162630	-37643	-110759	16622.5	2.03	2.59	N/A	(3.58)	180	9646	7396		
36	12600	-162631	-37644	-110760	16622.5	2.03	2.59	N/A	(3.58)	180	9646	7396		
37	12650	-165426	-40439	-112949	16622.5	2.07	2.67	N/A	(3.52)	181	9665	7488		
38	12650	-165427	-40440	-112950	16622.5	2.07	2.67	N/A	(3.52)	181	9665	7488		
39	12700	-167997	-43010	-114963	16622.5	2.10	2.76	N/A	(3.46)	181	9683	7573		
40	12700	-167998	-43011	-114963	16622.5	2.10	2.76	N/A	(3.46)	181	9683	7573		
41	12750	-170322	-45335	-116784	16622.5	2.13	2.84	N/A	(3.41)	181	9699	7649		
42	12750	-170323	-45336	-116785	16622.5	2.13	2.84	N/A	(3.41)	181	9699	7649		
43	12800	-172385	-47398	-118401	16622.5	2.16	2.91	N/A	(3.37)	181	9714	7717		
44	12800	-172386	-47399	-118401	16622.5	2.16	2.91	N/A	(3.37)	181	9714	7717		
45	12850	-174169	-49183	-119799	16622.5	2.19	2.98	N/A	(3.34)	182	9726	7775		
46	12850	-174170	-49183	-119800	16622.5	2.19	2.98	N/A	(3.34)	182	9726	7775		
47	12900	-175662	-50675	-120969	16622.5	2.21	3.04	N/A	(3.31)	182	9736	7824		
48	12950	-176851	-51864	-121901	16622.5	2.23	3.09	N/A	(3.29)	182	9745	7863		
49	13000	-177727	-52740	-122588	16622.5	2.24	3.13	N/A	(3.27)	182	9751	7892		
50	13000	-177728	-52741	-122588	16622.5	2.24	3.13	N/A	(3.27)	182	9751	7892		
51	13050	-178285	-53298	-123025	16622.5	2.25	3.15	N/A	(3.26)	182	9755	7910		
52	13111	-178527	-53540	-123214	16622.5	2.25	3.16	N/A	(3.26)	182	9756	7918		
53														
54		( ) Compression												
55		(V) Vector Collapse Safety Factor												
56														

Internal Pressure = Surface Pressure + Hydrostatic = 9756 psi
External Pressure = Fluid Gradient w/ Pore Pressure = 7918 psi
Burst SF = 3.16

NOTE: *Specific load case inputs for the pressure test can be seen in **Section 8** above. The test pressure does not exceed 70% of the minimum internal yield.*

Oxy Blanket Design - Casing Design "A"

10. Intermediate Non-API Casing Spec Sheet

AXIS PIPE AND TUBE

Technical Data Sheet

7 5/8" 26.40 lbs/ft. L80HC - Axis HT

Mechanical Properties		
Minimum Yield Strength	psi.	80,000
Maximum Yield Strength	psi.	95,000
Minimum Tensile Strength	psi.	95,000

Dimensions		Pipe	AXIS HT
Outside Diameter	in.	7.625	8.500
Wall Thickness	in.	0.328	-
Inside Diameter	in.	6.969	-
Standard Drift	in.	6.844	6.844
Alternate Drift	in.	-	-
Plain End Weight	lbs/ft.	-	-
Nominal Linear Weight	lbs/ft.	26.40	-

Performance		Pipe	AXIS HT
Minimum Collapse Pressure	psi.	4,320	-
Minimum Internal Yield Pressure	psi.	6,020	6,020
Minimum Pipe Body Yield Strength	lbs.	602 x 1,000	-
Joint Strength	lbs.	-	635 x 1,000

Make-Up Torques		Pipe	AXIS HT
Optimum Make-Up Torque	ft/lbs.	-	8,000
Maximum Operational Torque	ft/lbs.	-	25,000

Oxy Blanket Design - Casing Design “A”

11. Production Non-API Casing Spec Sheets

Printed on: 11/09/2021

Tenaris

TenarisHydril Wedge 461 ® MS

Coupling	Pipe Body
Grade: P110-ICY	Grade: P110-ICY
Body: White	1st Band: White
1st Band: Pale Green	2nd Band: Pale Green
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-ICY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	MS				

Pipe Body Data

Geometry				Performance	
Nominal OD	5.500 in.	Wall Thickness	0.361 in.	Body Yield Strength	729 x1000 lb
Nominal Weight	20 lb/ft	Plain End Weight	19.83 lb/ft	Min. Internal Yield Pressure	14,360 psi
Drift	4.653 in.	OD Tolerance	API	SMYS	125,000 psi
Nominal ID	4.778 in.			Collapse Pressure	12,300 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6.050 in.	Tension Efficiency	100 %	Minimum	17,000 ft-lb
Coupling Length	7.714 in.	Joint Yield Strength	729 x1000 lb	Optimum	18,000 ft-lb
Connection ID	4.778 in.	Internal Pressure Capacity	14,360 psi	Maximum	21,600 ft-lb
Make-up Loss	3.775 in.	Compression Efficiency	100 %		
Threads per inch	3.40	Compression Strength	729 x1000 lb	Operation Limit Torques	
Connection OD Option	Ms	Max. Allowable Bending	104 °/100 ft	Operating Torque	43,000 ft-lb
		External Pressure Capacity	12,300 psi	Yield Torque	51,000 ft-lb
		Coupling Face Load	273,000 lb		
				Buck-On	
				Minimum	21,600 ft-lb
				Maximum	23,100 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 441® - 5.5 in. - 0.304 / 0.361 in.
Wedge 461® - 5.5 in. - 0.304 / 0.415 / 0.476 in.
Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version
In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchangeable

For the lastest performance data, always visit our website: www.tenaris.com

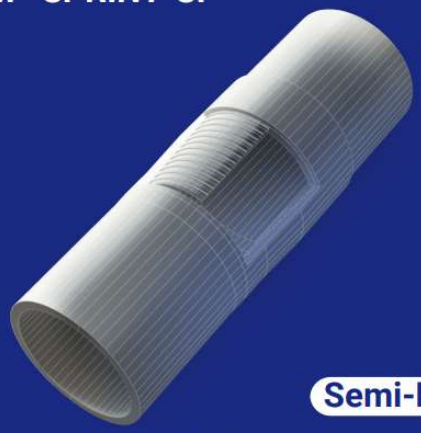
Oxy Blanket Design - Casing Design “A”

Generated on May 21, 2024

CONNECTION DATA SHEET

OD: **5.500 in.** Grade: **P110**
Weight: **20.00 lb/ft** Drift: **4.653 in. (API)**
Wall Th.: **0.361 in.**

VAM® SPRINT-SF



Semi-Flush

Field Torque Values

Make-up Torque (ft-lb)
20,000 **MIN**
22,500 **OPTI**
25,000 **MAX**

Torque with Sealability (ft-lb)
36,000 **MTS**

Locked Flank Torque (ft-lb)
4,500 **MIN**
15,750 **MAX**

(2) MTS: Maximum Torque with Sealability.

PIPE BODY PROPERTIES

Nominal OD	5.500	*in.*
Nominal ID	4.778	*in.*
Nominal Wall Thickness	0.361	*in.*
Minimum Wall Thickness	87.5	*%*
Nominal Weight (API)	20.00	*lb/ft*
Plain End Weight	19.83	*lb/ft*
Drift	4.653	*in.*
Grade Type	API 5CT	
Minimum Yield Strength	110	*ksi*
Maximum Yield Strength	140	*ksi*
Minimum Ultimate Tensile Strength	125	*ksi*
Pipe Body Yield Strength	641	*klb*
Internal Yield Pressure	12,640	*psi*
Collapse Pressure	11,100	*psi*

CONNECTION PROPERTIES

Connection Type	Semi-Premium Integral Semi-Flu	
Nominal Connection OD	5.783	*in.*
Nominal Connection ID	4.718	*in.*
Make-up Loss	5.965	*in.*
Tension Efficiency	90	*% Pipe Body*
Compression Efficiency	90	*% Pipe Body*
Internal Pressure Efficiency	100	*% Pipe Body*
External Pressure Efficiency	100	*% Pipe Body*

JOINT PERFORMANCES

Tension Strength	577	*klb*
Compression Strength	577	*klb*
Internal Pressure Resistance	12,640	*psi*
External Pressure Resistance	11,100	*psi*
Maximum Bending, Structural	78	*°/100 ft*
Maximum Bending, with Sealability(1)	30	*°/100 ft*

(1) Sealability rating demonstrated as per API RP 5C5 / ISO 13679

Oxy Blanket Design - Casing Design “A”

DWC/C-HT-IS

Connection Data Sheet

OD (in.)	WEIGHT (lbs./ft.)	WALL (in.)	GRADE	API DRIFT (in.)	RBW%	CONNECTION
5.500	Nominal: 20.00 Plain End: 19.83	0.361	‡VST P110MY	4.653	87.5	DWC/C-HT-IS

PIPE PROPERTIES		
Nominal OD	5.500	in.
Nominal ID	4.778	in.
Nominal Area	5.828	sq.in.
Grade Type		API 5CT
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Tensile Strength	135	ksi
Yield Strength	729	klb
Ultimate Strength	787	klb
Min. Internal Yield Pressure	14,360	psi
Collapse Pressure	12,090	psi

CONNECTION PROPERTIES		
Connection Type	Semi-Premium T&C	
Connection OD (nom)	6.050	in.
Connection ID (nom)	4.778	in.
Make-Up Loss	4.125	in.
Coupling Length	9.250	in.
Critical Cross Section	5.828	sq.in.
Tension Efficiency	89.1%	of pipe
Compression Efficiency	88.0%	of pipe
Internal Pressure Efficiency	86.1%	of pipe
External Pressure Efficiency	100.0%	of pipe

CONNECTION PERFORMANCES		
Yield Strength	649	klb
Parting Load	729	klb
Compression Rating	641	klb
Min. Internal Yield Pressure	12,360	psi
External Pressure Resistance	12,090	psi
Maximum Uniaxial Bend Rating	91.7	°/100 ft
Reference String Length w 1.4 Design Factor	22,890	ft.

FIELD TORQUE VALUES		
Min. Make-up torque	16,600	ft.lb
Opti. Make-up torque	17,950	ft.lb
Max. Make-up torque	19,300	ft.lb
Min. Shoulder Torque	1,660	ft.lb
Max. Shoulder Torque	13,280	ft.lb
Max. Delta Turn	0.200	Turns
†Maximum Operational Torque	23,800	ft.lb
†Maximum Torsional Value (MTV)	26,180	ft.lb

† Maximum Operational Torque and Maximum Torsional Value only valid with Vallourec P110MY Material.
‡ P110MY - Coupling Min Yield Strength is 110ksi and Coupling Max Yield is 125ksi.

"VST = Vallourec Star as the mill source for the pipe, "P110EC" is the grade name"

Need Help? Contact: tech.support@vam-usa.com

For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

03/04/2024 08:36:50 PM

VAM USA

Oxy Blanket Design - Casing Design “A”

VAM USA
2107 CityWest Boulevard Suite 1300
Houston, TX 77042
Phone: 713-479-3200
Fax: 713-479-3234
VAM® USA Sales E-mail: VAMUSAsales@vam-usa.com
Tech Support Email: tech.support@vam-usa.com

DWC Connection Data Sheet Notes:

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.
12. DWC/C family of connections are compatible with API Buttress BTC connections. Please contact tech.support@vam-usa.com for details on connection ratings and make-up.

03/04/2024 08:36:50 PM

Oxy Blanket Design - Casing Design "B"

1. Casing Program

The designs and associated details listed in this document are the "worst case scenario" boundaries for design safety factors.

Location and lithology have NOT been accounted for in these designs; however, the designs are NOT valid for wells within KPLA Boundaries or Capitan Reef areas. The specific well details will be based on the APD/Sundry package and the information listed in the COA.

The mud program listed below will remain the same between each design variation.

Hole will be full during casing run for well control and tensile SF.

Casing will be kept at least half full during run for these designs to meet BLM collapse SF requirement.

		MD		TVD					
Section	Hole Size (in)	From (ft)	To (ft)	From (ft)	To (ft)	Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
Surface	17.5	0	1200	0	1200	13.375	54.5	J-55	BTC
Intermediate 1	12.25†	0	4832	0	4832	10.75	45.5	L-80 HC	BTC-SC
Intermediate 2	9.875	0	13111*	0	12775*	7.625	26.4	L-80 HC	BTC Axis-HT
Production	6.75	0	23361	0	12775	5.5	20	P-110	Wedge 461 Sprint SF DWC/C-HT-IS

*Curve could be in intermediate or production section

†Oxy requests the option to set intermediate 1 casing shallower, yet still below the salts, if required due to losses or hole conditions. Cement volumes may be adjusted if casing is set shallower and a DV tool may be run incase hole conditions merit pumping a second stage cement job to comply with the permitted top of cement. If cement is circulated to surface during first stage, Oxy will drop a cancelation cone and not pump the second stage. Well specific depths for the pad will be included with the casing setting depths information submitted for review.

All casing strings will be tested in accordance with 43 CFR part 3170 Subpart 3172.

All Casing SF Values will meet or exceed those below			
SF Collapse	SF Burst	Body SF Tension	Joint SF Tension
1.00	1.100	1.4	1.4

§Annular Clearance Variance Request

As per the agreement reached in the Oxy/BLM face-to-face meeting on Feb 22, 2018, Oxy requests permission to allow deviation from the 0.422" annular clearance requirement. Please see Annular Clearance Variance attachment for further details.

§Annular Clearance Variance Request may not apply to all connections used or presented.

Oxy Blanket Design - Casing Design "B"

2. Trajectory / Boundary Conditions

Section	MD		TVD		Max. Angle	Max. Planned DLS
	Deepest KOP (ft)	End Build (ft)	Deepest KOP (ft)	End Build (ft)		
Surface	0	1200	0	1200	5°	1°/100 ft
Salt	0	4832	0	4832	5°	1°/100 ft
Intermediate	5000 (inside Cherry Canyon)	6500	4980	6390	20°	2°/100 ft
	12211	13111	12202	12775	92° ‡	12°/100 ft ‡
Production	12211 (~100' MD past ICP)	13111	12202	12775	92° ‡	12°/100 ft ‡

‡ Applies only when intermediate casing depth is deepened to landing point to match TVD of production in some areas where required to accommodate higher MWs in depleted areas.

Oxy has reviewed casing burst, collapse, and axial loadcases in Landmark StressCheck with the boundary conditions in the table above which satisfies Oxy and BLM minimum design criteria. Triaxial plots for each casing string is shown in Section 7 and intermediate load case inputs are shown in Section 8.

3. Cementing Program

NOTE: Blanket design is for technical review only. The cement volumes will be adjusted to ensure cement tops meet BLM requirements.

Section	Stage	Slurry:	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	1253	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.1	1	Intermediate - Tail	85	1.33	14.8	20%	4,332	Circulate	Class C+Accel.
Int.1	1	Intermediate - Lead	676	1.73	12.9	50%	-	Circulate	Class Pozz+Ret.
Int. 2	1	Intermediate 1S - Tail	793	1.68	13.2	5%	7,206	Circulate	Class C+Ret., Disper.
Int. 2	2	Intermediate 2S - Tail BH	1002	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	609	1.84	13.3	25%	12,611	Circulate	Class C+Ret.
Prod.	2*	Production - Tail	TBD	1.84	13.3	50%	500' inside prev csg	Circulate	Class C+Ret.

**Only applies in scenario where planned single stage job TOC is not 500' above previous shoe as designed/programmed requiring bradenhead 2nd stage to meet requirements*

As Reviewed and Approved by BLM on Feb 8, 2024: Oxy uses a Class C / Pozzolan mix on its production cement slurry, which has the same fluid properties as Class H, and has been pilot and field blend tested to have as good or better compressive strength development at our target densities.

Offline Cementing Request

Oxy requests a variance to cement the 9.625" and/or 7.625" intermediate casing strings offline in accordance to the approved variance, EC Tran 461365. Please see Offline Cementing Variance attachment for further details.

Oxy Blanket Design - Casing Design "B"

Bradenhead CBL Request

Oxy requests permission to adjust the CBL requirement after bradenhead cement jobs, on 7-5/8" intermediate casings, as per the agreement reached in the OXY/BLM meeting on September 5, 2019. Please see Bradenhead CBL Variance attachment for further details.

4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:	TVD Depth (ft) per Section:
12.25" Hole	13-5/8"	5M	Annular	✓	70% of working pressure	4832
		5M	Blind Ram	✓	250 psi / 5000 psi	
			Pipe Ram			
			Double Ram	✓		
			Other*			
9.875" Hole	13-5/8"	5M	Annular	✓	70% of working pressure	12102
		5M	Blind Ram	✓	250 psi / 5000 psi	
			Pipe Ram			
			Double Ram	✓		
			Other*			
6.75" Hole	13-5/8"	5M	Annular	✓	100% of working pressure	12775
		10M	Blind Ram	✓	250 psi / 10000 psi	
			Pipe Ram			
			Double Ram	✓		
			Other*			

*Specify if additional ram is utilized
**Curve could be in intermediate or production section

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

5M Annular BOP Request

Per BLM's Memorandum No. NM-2017-008: *Decision and Rationale for a Variance Allowing the Use of a 5M Annular Preventer with a 10M BOP Stack*, Oxy requests to employ a 5M annular with a 10M BOPE stack in the pilot and lateral sections of the well and will ensure that two barriers to flow are

Oxy Blanket Design - Casing Design "B"

Formation integrity test will be performed per 43 CFR part 3170 Subpart 3172.
On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR part 3170 Subpart 3172.

A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. Coflex hoses are in compliance with API 16C and meets inspection and testing requirements. See attached for specs and hydrostatic test chart.	
Y	Are anchors required by manufacturer?

A multibowl or a unionized multibowl wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per 43 CFR part 3170 Subpart 3172 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. We will test the flange connection of the wellhead with a test port that is directly in the flange. We are proposing that we will run the wellhead through the rotary prior to cementing surface casing as discussed with the BLM on October 8, 2015.

See attached Schematics.

BOP Break Testing Request

Oxy requests permission to adjust the BOP break testing requirements as per the agreement reached in the OXY/BLM meeting on September 5, 2019. Please see BOP Break Testing Variance attachment for further details.

Hammer Union Variance

Oxy requests permission for hammer unions behind the choke to be routed to the gas buster. The hammer unions will not be subject to wellbore pressure in compliance with API STD 53.

Oxy will use Cameron ADAPT wellhead system that uses an OEC top flange connection. This connection has been fully vetted and verified by API to Spec 6A and carries an API monogram.

Oxy Blanket Design - Casing Design "B"

5. Mud Program & Drilling Conditions

Section	Depth - MD		Depth - TVD		Type	Weight (ppg)	Viscosity	Water Loss
	From (ft)	To (ft)	From (ft)	To (ft)				
Surface	0	1200	0	1200	Water-Based Mud	8.6 - 8.8	40-60	N/C
Intermediate 1	1200	4832	1200	4832	Saturated Brine-Based or Oil-Based Mud	8.0 – 10.0	35-45	N/C
Intermediate 2	1200	13111*	1200	12775*	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C
Production	13111	23361	12775	12775	Water-Based or Oil-Based Mud	9.5 - 13.5	38-50	N/C

Curve could be in intermediate or production section

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.

Drilling Blind Request

In the event total losses are encountered in the intermediate section, Oxy requests permission to drill blind due to depleted formations where risk of hydrocarbon kicks are unlikely.

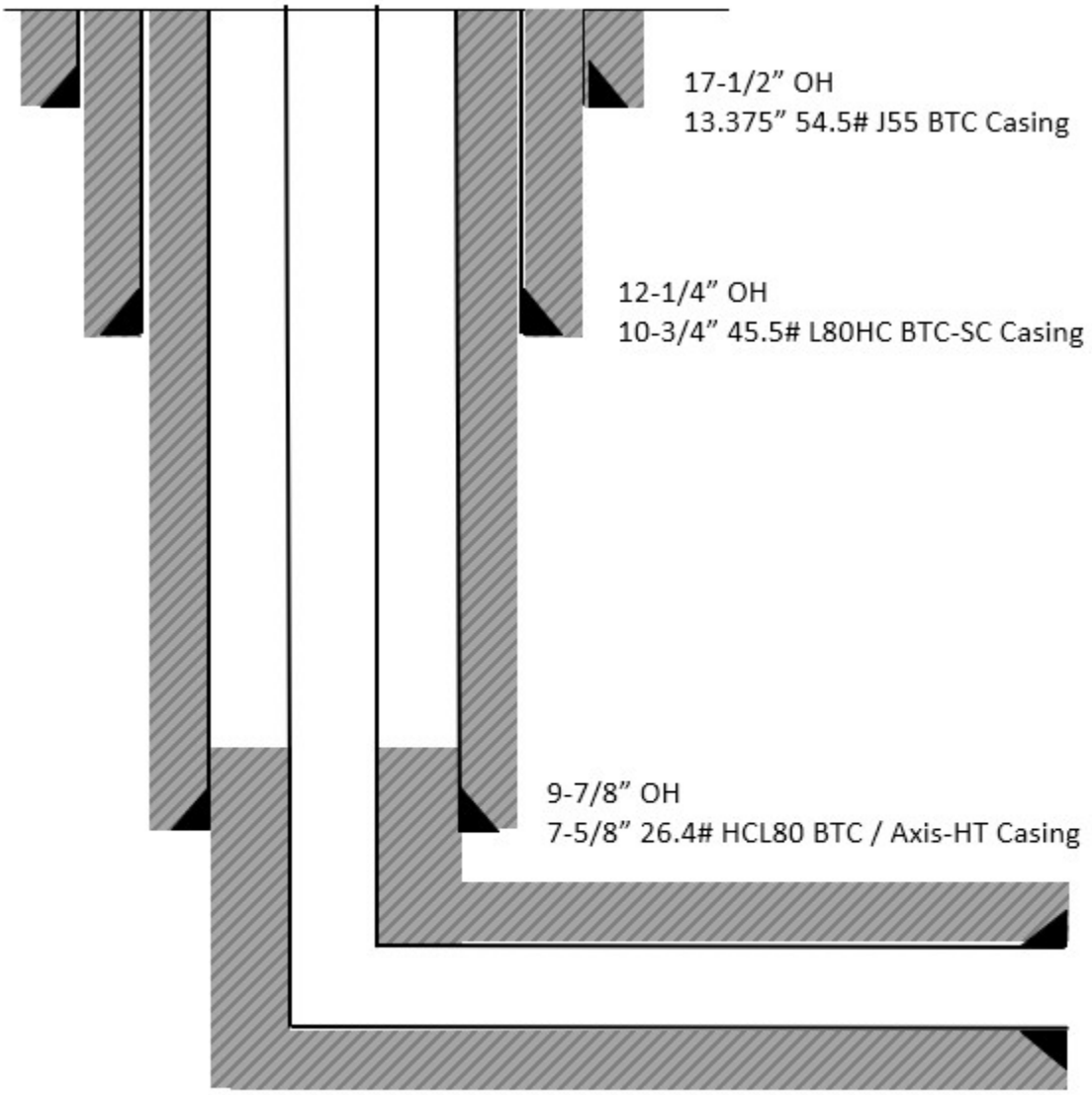
- Oxy will first attempt to cure losses before proceeding with drilling blind
- Drilling blind will only be allowed in the Castille and formations below
- While drilling blind, will monitor backside by filling-up on connections and utilizing gas monitors
- Depths at which losses occurred and attempt to cure losses with relevant details (LCM sweep info, etc.) will be documented in the drillers log and Subsequent Reports to the BLM.
- If a well control event (hydrocarbon kick) occurs while drilling blind, the BLM will be notified after the well is secured and returned to static.

What will be used to monitor the loss or gain of fluid?	PVT/MD Totco/Visual Monitoring

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

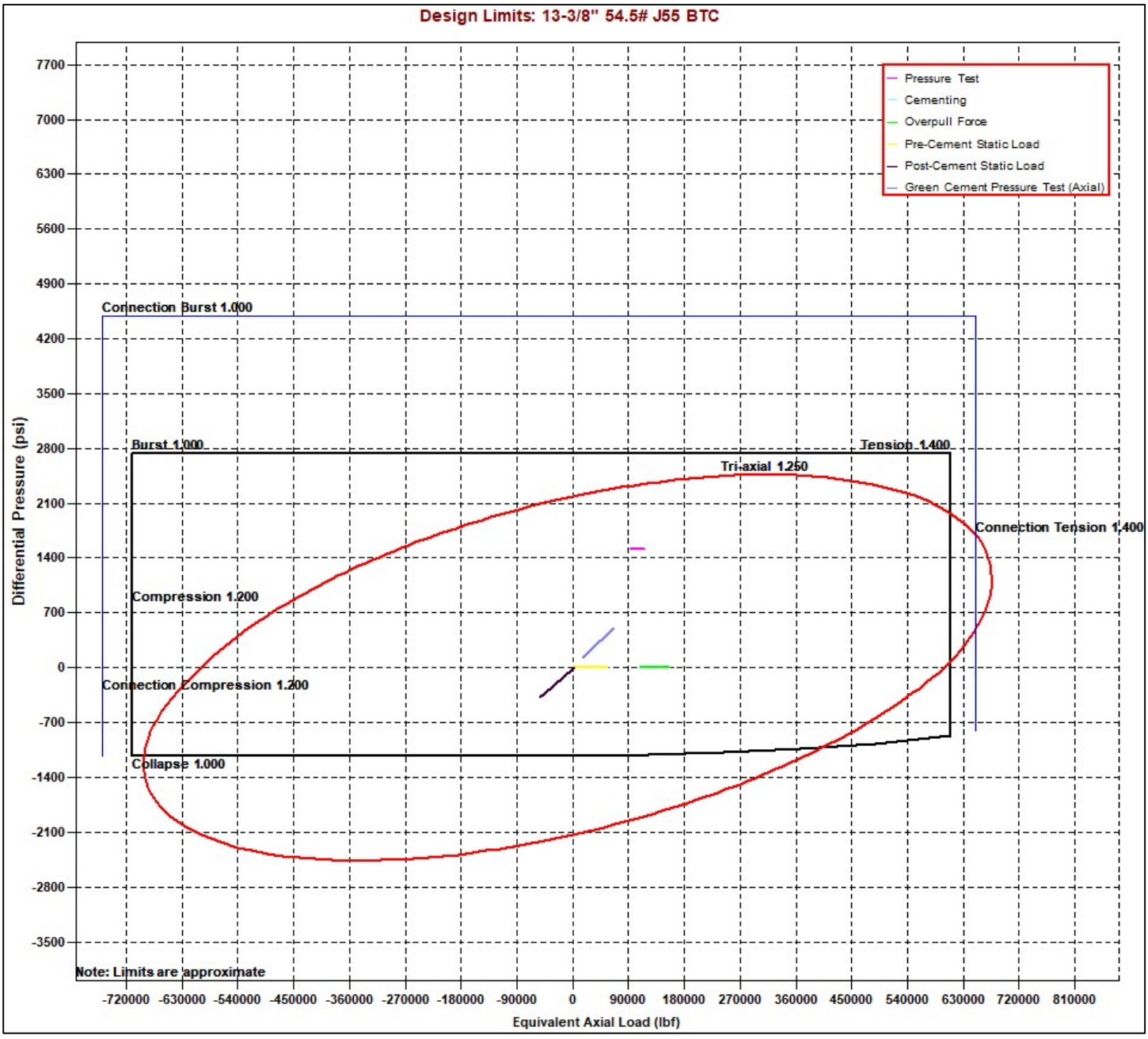
Oxy Blanket Design - Casing Design “B”

6. Wellbore Diagram

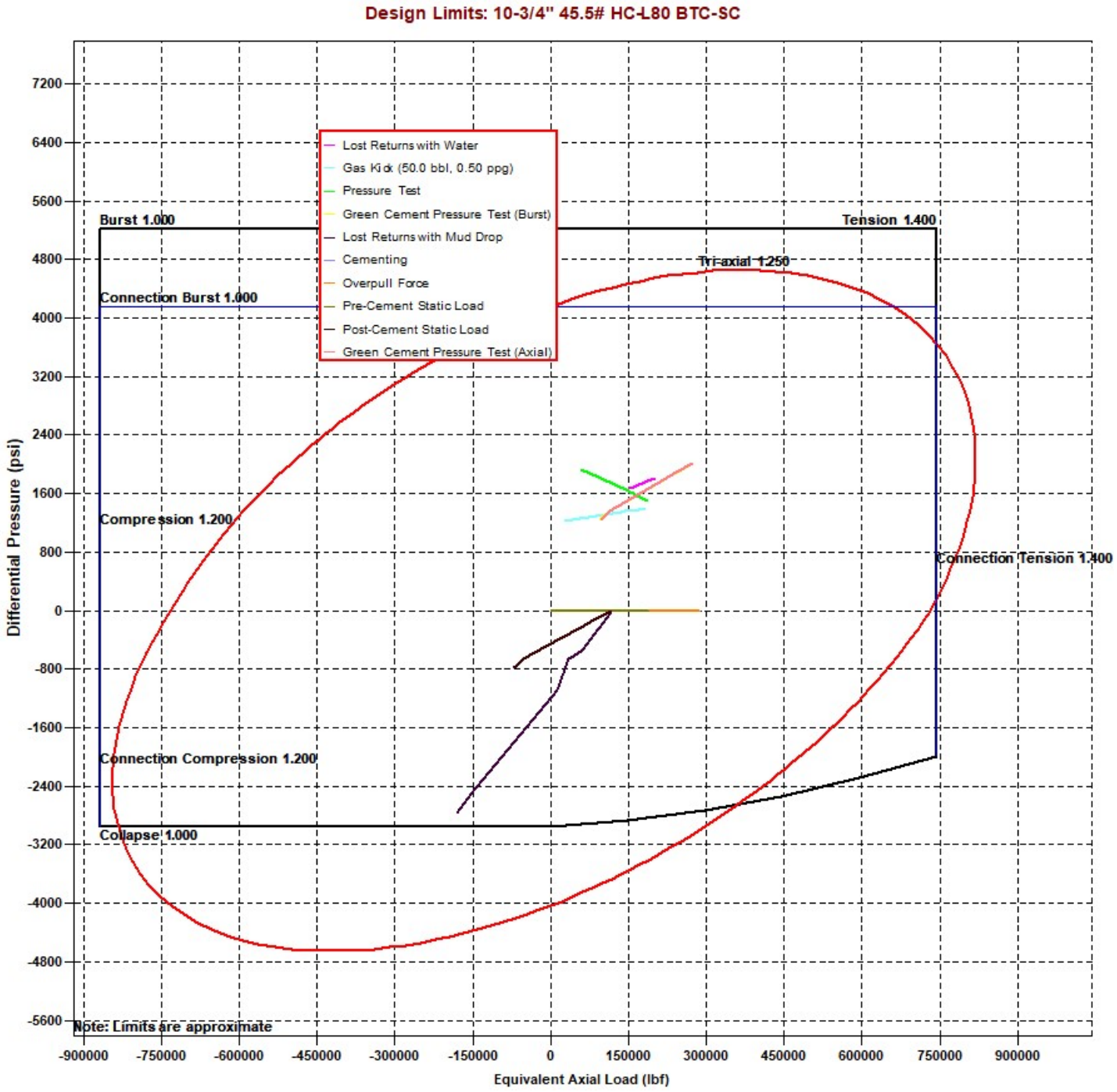


Oxy Blanket Design - Casing Design "B"

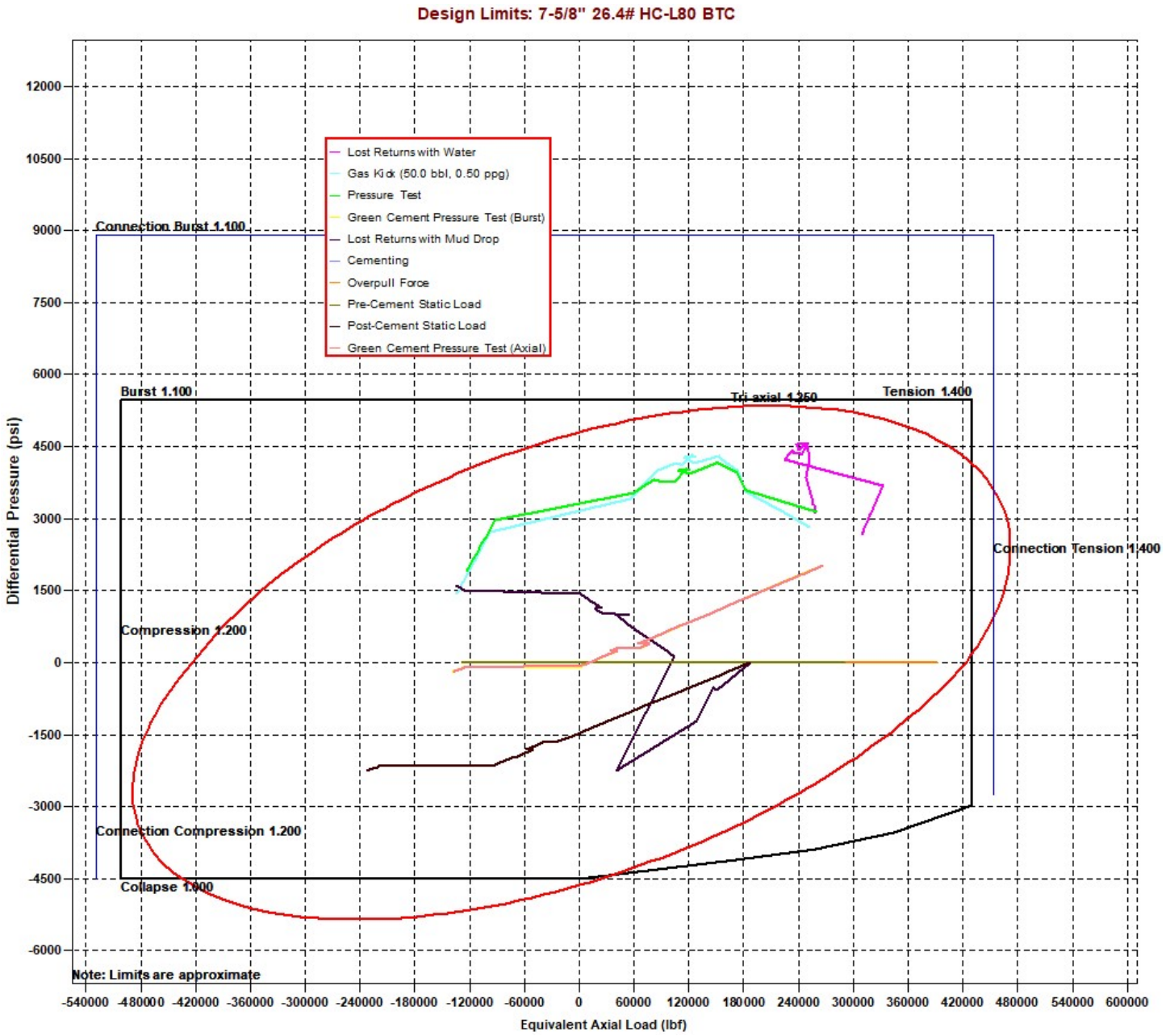
7. Landmark StressCheck Screenshots – Triaxial Output



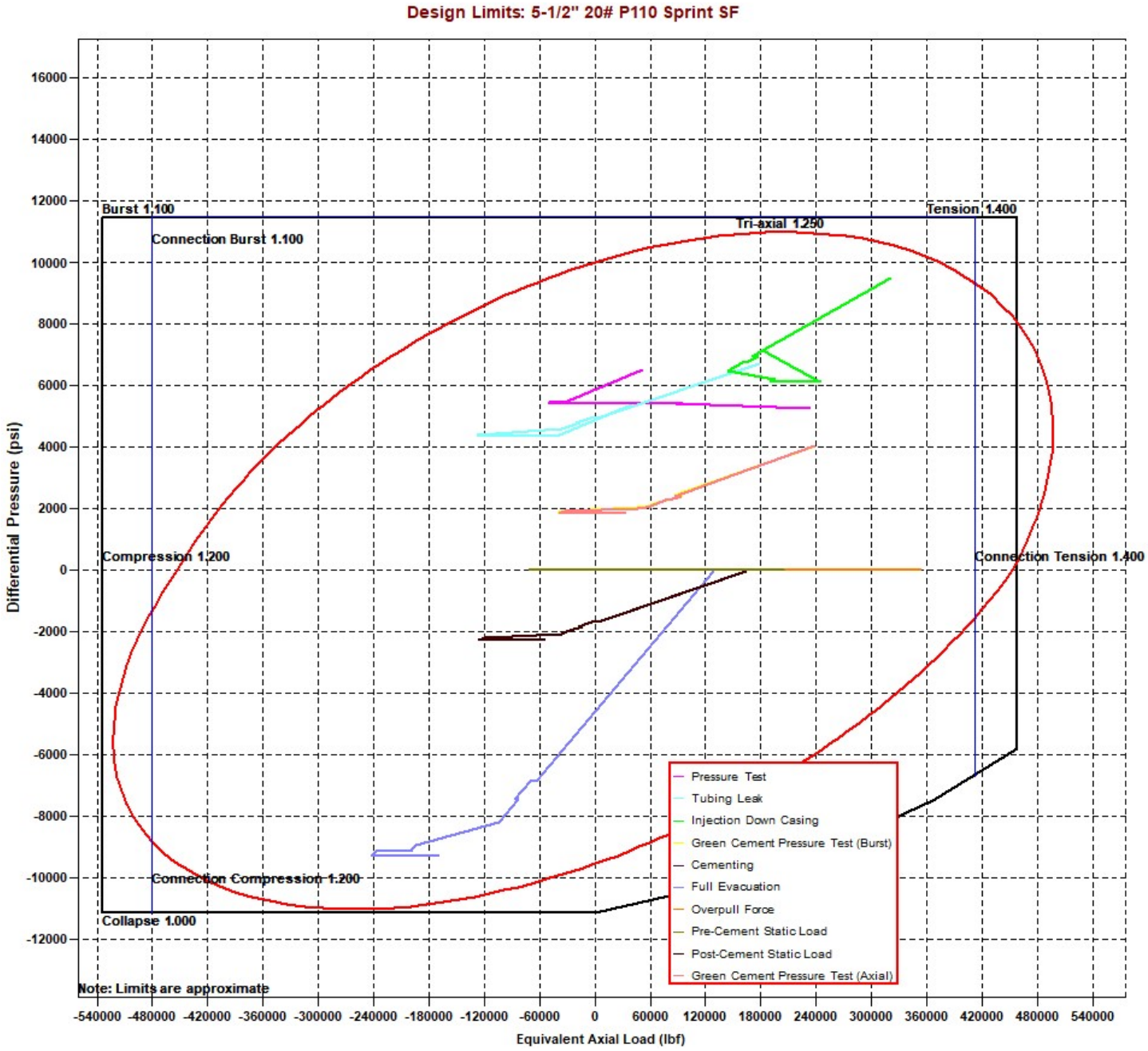
Oxy Blanket Design - Casing Design "B"



Oxy Blanket Design - Casing Design “B”



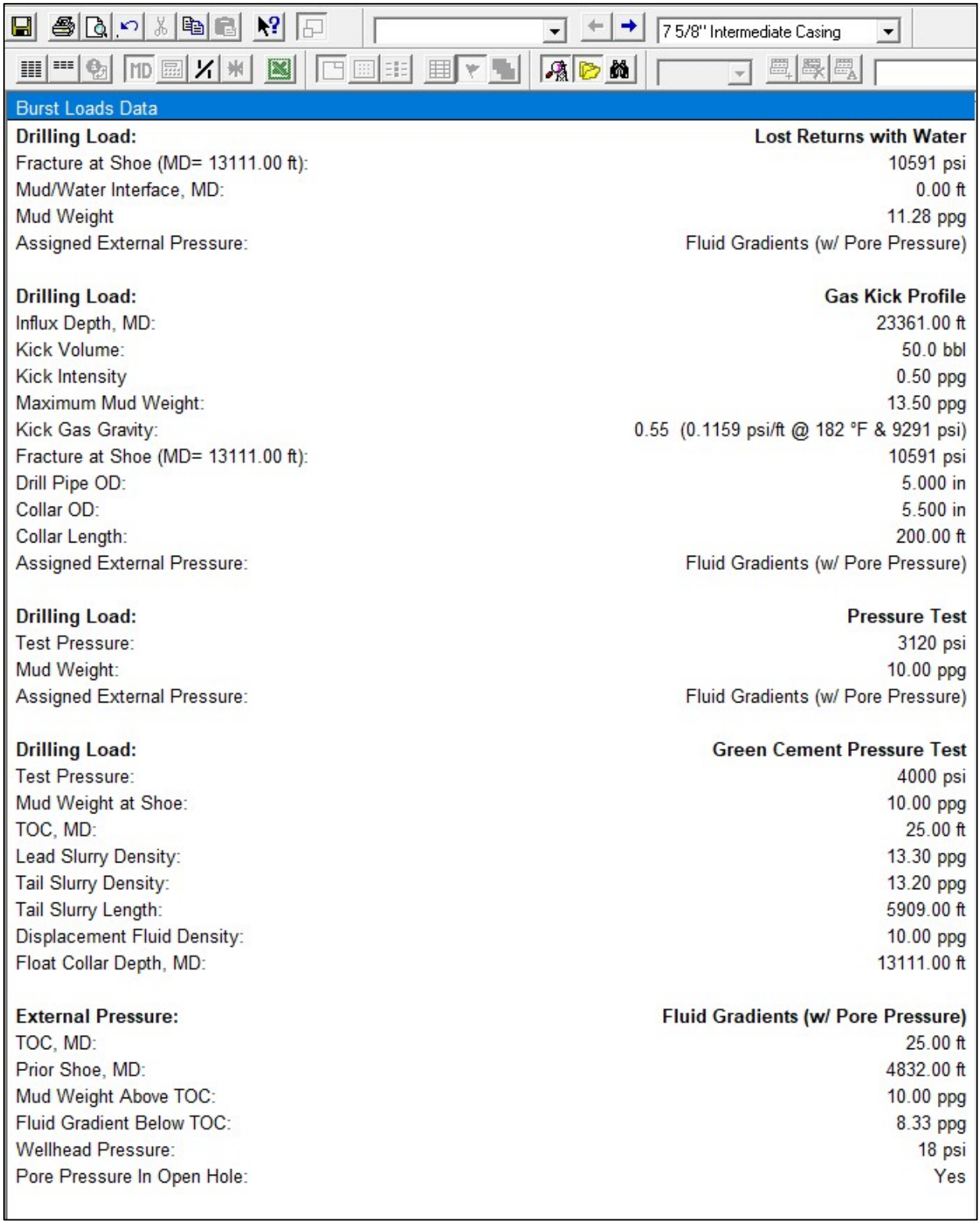
Oxy Blanket Design - Casing Design “B”



Oxy Blanket Design - Casing Design "B"

8. Landmark StressCheck Screenshots – Inputs for Intermediate 2 CSG Load Cases

Burst Load Cases

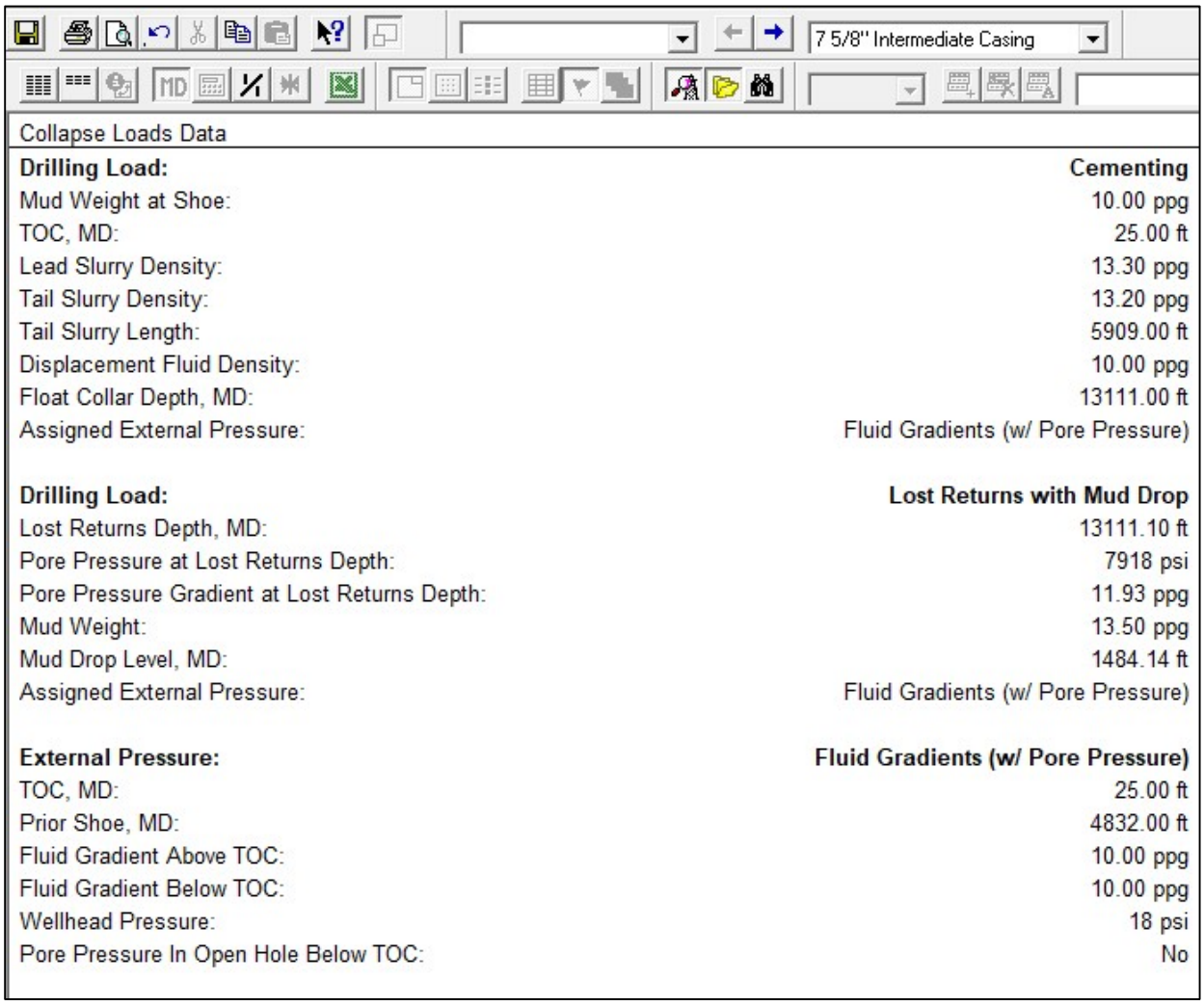


Burst Loads Data

Drilling Load:	**Lost Returns with Water**
Fracture at Shoe (MD= 13111.00 ft):	10591 psi
Mud/Water Interface, MD:	0.00 ft
Mud Weight	11.28 ppg
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Gas Kick Profile**
Influx Depth, MD:	23361.00 ft
Kick Volume:	50.0 bbl
Kick Intensity	0.50 ppg
Maximum Mud Weight:	13.50 ppg
Kick Gas Gravity:	0.55 (0.1159 psi/ft @ 182 °F & 9291 psi)
Fracture at Shoe (MD= 13111.00 ft):	10591 psi
Drill Pipe OD:	5.000 in
Collar OD:	5.500 in
Collar Length:	200.00 ft
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Pressure Test**
Test Pressure:	3120 psi
Mud Weight:	10.00 ppg
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Green Cement Pressure Test**
Test Pressure:	4000 psi
Mud Weight at Shoe:	10.00 ppg
TOC, MD:	25.00 ft
Lead Slurry Density:	13.30 ppg
Tail Slurry Density:	13.20 ppg
Tail Slurry Length:	5909.00 ft
Displacement Fluid Density:	10.00 ppg
Float Collar Depth, MD:	13111.00 ft
External Pressure:	**Fluid Gradients (w/ Pore Pressure)**
TOC, MD:	25.00 ft
Prior Shoe, MD:	4832.00 ft
Mud Weight Above TOC:	10.00 ppg
Fluid Gradient Below TOC:	8.33 ppg
Wellhead Pressure:	18 psi
Pore Pressure In Open Hole:	Yes

Oxy Blanket Design - Casing Design "B"

Collapse Load Cases



Collapse Loads Data

Drilling Load:	**Cementing**
Mud Weight at Shoe:	10.00 ppg
TOC, MD:	25.00 ft
Lead Slurry Density:	13.30 ppg
Tail Slurry Density:	13.20 ppg
Tail Slurry Length:	5909.00 ft
Displacement Fluid Density:	10.00 ppg
Float Collar Depth, MD:	13111.00 ft
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
Drilling Load:	**Lost Returns with Mud Drop**
Lost Returns Depth, MD:	13111.10 ft
Pore Pressure at Lost Returns Depth:	7918 psi
Pore Pressure Gradient at Lost Returns Depth:	11.93 ppg
Mud Weight:	13.50 ppg
Mud Drop Level, MD:	1484.14 ft
Assigned External Pressure:	Fluid Gradients (w/ Pore Pressure)
External Pressure:	**Fluid Gradients (w/ Pore Pressure)**
TOC, MD:	25.00 ft
Prior Shoe, MD:	4832.00 ft
Fluid Gradient Above TOC:	10.00 ppg
Fluid Gradient Below TOC:	10.00 ppg
Wellhead Pressure:	18 psi
Pore Pressure In Open Hole Below TOC:	No

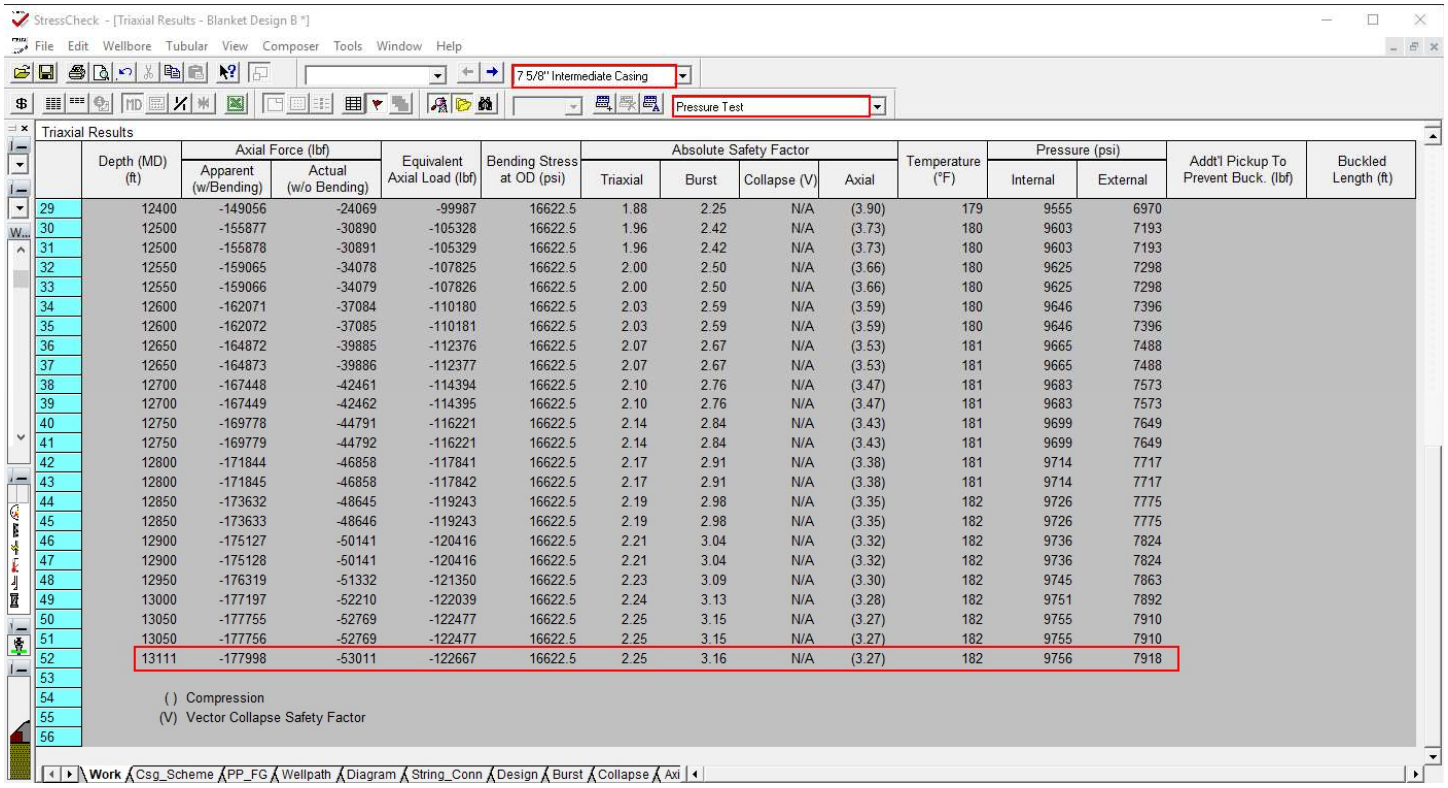
Axial Load Cases

Axial Loads Data

Overpull Force:	100000 lbf
Pre-Cement Static Load:	Yes
Pickup Force:	0 lbf
Post-Cement Static Load:	Yes
Green Cement Pressure Test:	2000 psi
Service Loads:	Yes

Oxy Blanket Design - Casing Design "B"

9. Landmark StressCheck Screenshot – Int. Casing Triaxial Results Table (Pressure Test)



	Depth (MD) (ft)	Axial Force (lbf)		Equivalent Axial Load (lbf)	Bending Stress at OD (psi)	Absolute Safety Factor				Temperature (°F)	Pressure (psi)		Addt'l Pickup To Prevent Buck. (lbf)	Buckled Length (ft)
		Apparent (w/Bending)	Actual (w/o Bending)			Triaxial	Burst	Collapse (V)	Axial		Internal	External		
29	12400	-149056	-24069	-99987	16622.5	1.88	2.25	N/A	(3.90)	179	9555	6970		
30	12500	-155877	-30890	-105328	16622.5	1.96	2.42	N/A	(3.73)	180	9603	7193		
31	12500	-155878	-30891	-105329	16622.5	1.96	2.42	N/A	(3.73)	180	9603	7193		
32	12550	-159065	-34078	-107825	16622.5	2.00	2.50	N/A	(3.66)	180	9625	7298		
33	12550	-159066	-34079	-107826	16622.5	2.00	2.50	N/A	(3.66)	180	9625	7298		
34	12600	-162071	-37084	-110180	16622.5	2.03	2.59	N/A	(3.59)	180	9646	7396		
35	12600	-162072	-37085	-110181	16622.5	2.03	2.59	N/A	(3.59)	180	9646	7396		
36	12650	-164872	-39885	-112376	16622.5	2.07	2.67	N/A	(3.53)	181	9665	7488		
37	12650	-164873	-39886	-112377	16622.5	2.07	2.67	N/A	(3.53)	181	9665	7488		
38	12700	-167448	-42461	-114394	16622.5	2.10	2.76	N/A	(3.47)	181	9683	7573		
39	12700	-167449	-42462	-114395	16622.5	2.10	2.76	N/A	(3.47)	181	9683	7573		
40	12750	-169778	-44791	-116221	16622.5	2.14	2.84	N/A	(3.43)	181	9699	7649		
41	12750	-169779	-44792	-116221	16622.5	2.14	2.84	N/A	(3.43)	181	9699	7649		
42	12800	-171844	-46858	-117841	16622.5	2.17	2.91	N/A	(3.38)	181	9714	7717		
43	12800	-171845	-46858	-117842	16622.5	2.17	2.91	N/A	(3.38)	181	9714	7717		
44	12850	-173632	-48645	-119243	16622.5	2.19	2.98	N/A	(3.35)	182	9726	7775		
45	12850	-173633	-48646	-119243	16622.5	2.19	2.98	N/A	(3.35)	182	9726	7775		
46	12900	-175127	-50141	-120416	16622.5	2.21	3.04	N/A	(3.32)	182	9736	7824		
47	12900	-175128	-50141	-120416	16622.5	2.21	3.04	N/A	(3.32)	182	9736	7824		
48	12950	-176319	-51332	-121350	16622.5	2.23	3.09	N/A	(3.30)	182	9745	7863		
49	13000	-177197	-52210	-122039	16622.5	2.24	3.13	N/A	(3.28)	182	9751	7892		
50	13050	-177755	-52769	-122477	16622.5	2.25	3.15	N/A	(3.27)	182	9755	7910		
51	13050	-177756	-52769	-122477	16622.5	2.25	3.15	N/A	(3.27)	182	9755	7910		
52	13111	-177998	-53011	-122667	16622.5	2.25	3.16	N/A	(3.27)	182	9756	7918		
53														
54	( ) Compression													
55	(V) Vector Collapse Safety Factor													
56														

Internal Pressure = Surface Pressure + Hydrostatic = 9756 psi
External Pressure = Fluid Gradient w/ Pore Pressure = 7918 psi
Burst SF = 3.16

NOTE: *Specific load case inputs for the pressure test can be seen in **Section 8** above. The test pressure does not exceed 70% of the minimum internal yield.*

Oxy Blanket Design - Casing Design “B”

10. Intermediate Non-API Casing Spec Sheet

Printed on: 06/19/2023

Tenaris

API BTC -Special Clearance

Coupling	Pipe Body
Grade: J55 (Casing)	Grade: J55 (Casing)
Body: Bright Green	1st Band: Bright Green
1st Band: White	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -

Outside Diameter	10.750 in.	Wall Thickness	0.400 in.	Grade	J55 (Casing)
Min. Wall Thickness	87.50 %	Pipe Body Drift	Alternative Drift	Type	Casing
Connection OD Option	Special Clearance				

Pipe Body Data

Geometry				Performance	
Nominal OD	10.750 in.	Drift	9.875 in.	SMYS	55,000 psi
Wall Thickness	0.400 in.	Plain End Weight	44.26 lb/ft	Min UTS	75,000 psi
Nominal Weight	45.500 lb/ft	OD Tolerance	API	Body Yield Strength	715 x1000 lb
Nominal ID	9.950 in.			Min. Internal Yield Pressure	3580 psi
				Collapse Pressure	2090 psi
				Max. Allowed Bending	23 °/100 ft

Connection Data

Geometry		Performance	
Thread per In	5	Joint Strength	796 x1000 lb
Connection OD	11.250 in.	Coupling Face Load	329 x1000 lb
Hand Tight Stand Off	1 in.	Internal Pressure Capacity	3290 psi

Notes

For products according to API Standards 5CT & 5B; Performance calculated considering API Technical Report 5C3 (Sections 9 & 10) equations.
For geometrical and steel grades combinations not considered in the API Standards 5CT and/or 5B; Performance calculations indirectly derived from API Technical Report 5C3 (Sections 9 & 10) equations.
Couplings OD are shown according to current API 5CT 10th Edition.

Oxy Blanket Design - Casing Design "B"

AXIS PIPE AND TUBE

Technical Data Sheet

7 5/8" 26.40 lbs/ft. L80HC - Axis HT

Mechanical Properties		
Minimum Yield Strength	psi.	80,000
Maximum Yield Strength	psi.	95,000
Minimum Tensile Strength	psi.	95,000

Dimensions		Pipe	AXIS HT
Outside Diameter	in.	7.625	8.500
Wall Thickness	in.	0.328	-
Inside Diameter	in.	6.969	-
Standard Drift	in.	6.844	6.844
Alternate Drift	in.	-	-
Plain End Weight	lbs/ft.	-	-
Nominal Linear Weight	lbs/ft.	26.40	-

Performance		Pipe	AXIS HT
Minimum Collapse Pressure	psi.	4,320	-
Minimum Internal Yield Pressure	psi.	6,020	6,020
Minimum Pipe Body Yield Strength	lbs.	602 x 1,000	-
Joint Strength	lbs.	-	635 x 1,000

Make-Up Torques		Pipe	AXIS HT
Optimum Make-Up Torque	ft/lbs.	-	8,000
Maximum Operational Torque	ft/lbs.	-	25,000

11. Production Non-API Casing Spec Sheets

Oxy Blanket Design - Casing Design “B”

Printed on: 11/09/2021

Tenaris

TenarisHydril Wedge 461 ® MS

Coupling	Pipe Body
Grade: P110-ICY	Grade: P110-ICY
Body: White	1st Band: White
1st Band: Pale Green	2nd Band: Pale Green
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-ICY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	MS				

Pipe Body Data

Geometry				Performance	
Nominal OD	5.500 in.	Wall Thickness	0.361 in.	Body Yield Strength	729 x1000 lb
Nominal Weight	20 lb/ft	Plain End Weight	19.83 lb/ft	Min. Internal Yield Pressure	14,360 psi
Drift	4.653 in.	OD Tolerance	API	SMYS	125,000 psi
Nominal ID	4.778 in.			Collapse Pressure	12,300 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6.050 in.	Tension Efficiency	100 %	Minimum	17,000 ft-lb
Coupling Length	7.714 in.	Joint Yield Strength	729 x1000 lb	Optimum	18,000 ft-lb
Connection ID	4.778 in.	Internal Pressure Capacity	14,360 psi	Maximum	21,600 ft-lb
Make-up Loss	3.775 in.	Compression Efficiency	100 %		
Threads per inch	3.40	Compression Strength	729 x1000 lb	Operation Limit Torques	
Connection OD Option	Ms	Max. Allowable Bending	104 °/100 ft	Operating Torque	43,000 ft-lb
		External Pressure Capacity	12,300 psi	Yield Torque	51,000 ft-lb
		Coupling Face Load	273,000 lb		
				Buck-On	
				Minimum	21,600 ft-lb
				Maximum	23,100 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 441® - 5.5 in. - 0.304 / 0.361 in.
Wedge 461® - 5.5 in. - 0.304 / 0.415 / 0.476 in.
Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version
In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchangeable

For the lastest performance data, always visit our website: www.tenaris.com

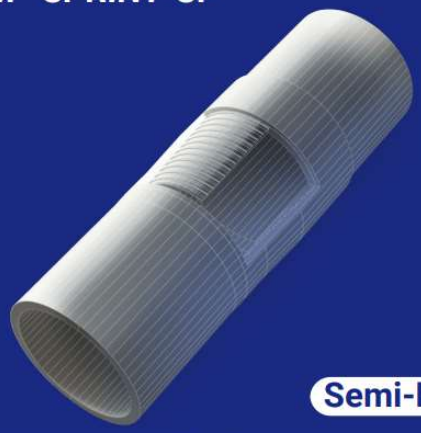
Oxy Blanket Design - Casing Design “B”

Generated on May 21, 2024

CONNECTION DATA SHEET

OD: **5.500 in.** Grade: **P110**
Weight: **20.00 lb/ft** Drift: **4.653 in. (API)**
Wall Th.: **0.361 in.**

VAM® SPRINT-SF



Semi-Flush

Field Torque Values

Make-up Torque (ft-lb)
20,000 **MIN**
22,500 **OPTI**
25,000 **MAX**

Torque with Sealability (ft-lb)
36,000 **MTS**

Locked Flank Torque (ft-lb)
4,500 **MIN**
15,750 **MAX**

(2) MTS: Maximum Torque with Sealability.

PIPE BODY PROPERTIES

Nominal OD	5.500	*in.*
Nominal ID	4.778	*in.*
Nominal Wall Thickness	0.361	*in.*
Minimum Wall Thickness	87.5	*%*
Nominal Weight (API)	20.00	*lb/ft*
Plain End Weight	19.83	*lb/ft*
Drift	4.653	*in.*
Grade Type	API 5CT	
Minimum Yield Strength	110	*ksi*
Maximum Yield Strength	140	*ksi*
Minimum Ultimate Tensile Strength	125	*ksi*
Pipe Body Yield Strength	641	*klb*
Internal Yield Pressure	12,640	*psi*
Collapse Pressure	11,100	*psi*

CONNECTION PROPERTIES

Connection Type	Semi-Premium Integral Semi-Flu	
Nominal Connection OD	5.783	*in.*
Nominal Connection ID	4.718	*in.*
Make-up Loss	5.965	*in.*
Tension Efficiency	90	*% Pipe Body*
Compression Efficiency	90	*% Pipe Body*
Internal Pressure Efficiency	100	*% Pipe Body*
External Pressure Efficiency	100	*% Pipe Body*

JOINT PERFORMANCES

Tension Strength	577	*klb*
Compression Strength	577	*klb*
Internal Pressure Resistance	12,640	*psi*
External Pressure Resistance	11,100	*psi*
Maximum Bending, Structural	78	*°/100 ft*
Maximum Bending, with Sealability(1)	30	*°/100 ft*

(1) Sealability rating demonstrated as per API RP 5C5 / ISO 13679

Oxy Blanket Design - Casing Design "B"

DWC/C-HT-IS

Connection Data Sheet

OD (in.)	WEIGHT (lbs./ft.)	WALL (in.)	GRADE	API DRIFT (in.)	RBW%	CONNECTION
5.500	Nominal: 20.00 Plain End: 19.83	0.361	‡VST P110MY	4.653	87.5	DWC/C-HT-IS

PIPE PROPERTIES		
Nominal OD	5.500	in.
Nominal ID	4.778	in.
Nominal Area	5.828	sq.in.
Grade Type		API 5CT
Min. Yield Strength	125	ksi
Max. Yield Strength	140	ksi
Min. Tensile Strength	135	ksi
Yield Strength	729	klb
Ultimate Strength	787	klb
Min. Internal Yield Pressure	14,360	psi
Collapse Pressure	12,090	psi

CONNECTION PROPERTIES		
Connection Type	Semi-Premium T&C	
Connection OD (nom)	6.050	in.
Connection ID (nom)	4.778	in.
Make-Up Loss	4.125	in.
Coupling Length	9.250	in.
Critical Cross Section	5.828	sq.in.
Tension Efficiency	89.1%	of pipe
Compression Efficiency	88.0%	of pipe
Internal Pressure Efficiency	86.1%	of pipe
External Pressure Efficiency	100.0%	of pipe

CONNECTION PERFORMANCES		
Yield Strength	649	klb
Parting Load	729	klb
Compression Rating	641	klb
Min. Internal Yield Pressure	12,360	psi
External Pressure Resistance	12,090	psi
Maximum Uniaxial Bend Rating	91.7	°/100 ft
Reference String Length w 1.4 Design Factor	22,890	ft.

FIELD TORQUE VALUES		
Min. Make-up torque	16,600	ft.lb
Opti. Make-up torque	17,950	ft.lb
Max. Make-up torque	19,300	ft.lb
Min. Shoulder Torque	1,660	ft.lb
Max. Shoulder Torque	13,280	ft.lb
Max. Delta Turn	0.200	Turns
†Maximum Operational Torque	23,800	ft.lb
†Maximum Torsional Value (MTV)	26,180	ft.lb

† Maximum Operational Torque and Maximum Torsional Value only valid with Vallourec P110MY Material.
‡ P110MY - Coupling Min Yield Strength is 110ksi and Coupling Max Yield is 125ksi.

"VST = Vallourec Star as the mill source for the pipe, "P110EC" is the grade name"

Need Help? Contact: tech.support@vam-usa.com

For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

03/04/2024 08:36:50 PM

VAM USA

Oxy Blanket Design - Casing Design “B”

VAM USA
2107 CityWest Boulevard Suite 1300
Houston, TX 77042
Phone: 713-479-3200
Fax: 713-479-3234
VAM® USA Sales E-mail: VAMUSAsales@vam-usa.com
Tech Support Email: tech.support@vam-usa.com

DWC Connection Data Sheet Notes:

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.
12. DWC/C family of connections are compatible with API Buttress BTC connections. Please contact tech.support@vam-usa.com for details on connection ratings and make-up.

03/04/2024 08:36:50 PM

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals, & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024
PAGE 1 OF 2

Submittal Type: ☐ Initial Submittal ☑ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-56049	13367	COTTON DRAW; BONE SPRING

Property Code	Property Name	Well Number
329887	NUGGET 6_31 FED COM	25H

OGRID No.	Operator Name	Ground Level Elevation
16696	OXY USA INC.	3458'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☑ Federal
Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☑ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
O	06	24S	31E		1264' FSL	1482' FEL	32.24258866	-103.81317004	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
A	31	23S	31E		20' FNL	1280' FEL	32.26812235	-103.81249750	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640.41	INFILL	30-015-56039	Y	N/A

Order Numbers: N/A
Well setbacks are under Common Ownership: ☐ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
A	07	24S	31E		300' FNL	1280' FEL	32.23829063	-103.81252512	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
P	06	24S	31E		100' FSL	1280' FEL	32.23939016	-103.81252412	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD83)	Longitude (NAD83)	County
A	31	23S	31E		100' FNL	1280' FEL	32.26790244	-103.81249724	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type: ☒ Horizontal ☐ Vertical	Ground Floor Elevation
N/A		3458'

OPERATOR CERTIFICATIONS

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

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Sara Guthrie — Signature
6/25/2025 — Date

Sara Guthrie — Printed Name

sara_guthrie@oxy.com — Email Address

SURVEYOR CERTIFICATIONS

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

LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
21653	MAY 20, 2025

Note: 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.

ACREAGE DEDICATION PLATS

NUGGET 6_31 FED COM 25H

BHL (NAD83)
X:702319.75' / Y:461666.59'
LAT:32.26812235 / LON:-103.81249750

BHL (NAD27)
X:661136.20' / Y:461607.30'
LAT:32.26799942 / LON:-103.81201133

LTP (NAD83)
X:702320.22' / Y:461586.59'
LAT:32.26790244 / LON:-103.81249724

LTP (NAD27)
X:661136.67' / Y:461527.30'
LAT:32.26777950 / LON:-103.81201107

PPP-4 (NAD83)
X:702330.52' / Y:459045.21'
LAT:32.26091664 / LON:-103.81250383

PPP-4 (NAD27)
X:661146.89' / Y:458985.99'
LAT:32.26079365 / LON:-103.81201795

PPP-3 (NAD83)
X:702335.86' / Y:457724.61'
LAT:32.25728651 / LON:-103.81250725

PPP-3 (NAD27)
X:661152.20' / Y:457665.41'
LAT:32.25716351 / LON:-103.81202152

PPP-2 (NAD83)
X:702341.21' / Y:456404.06'
LAT:32.25365654 / LON:-103.81251068

PPP-2 (NAD27)
X:661157.51' / Y:456344.90'
LAT:32.25353351 / LON:-103.81202508

FTP (NAD83)
X:702362.23' / Y:451214.09'
LAT:32.23939016 / LON:-103.81252412

FTP (NAD27)
X:661178.35' / Y:451155.05'
LAT:32.23926701 / LON:-103.81203916

PPP-1 (NAD83)
X:702362.64' / Y:451114.09'
LAT:32.23911528 / LON:-103.81252436

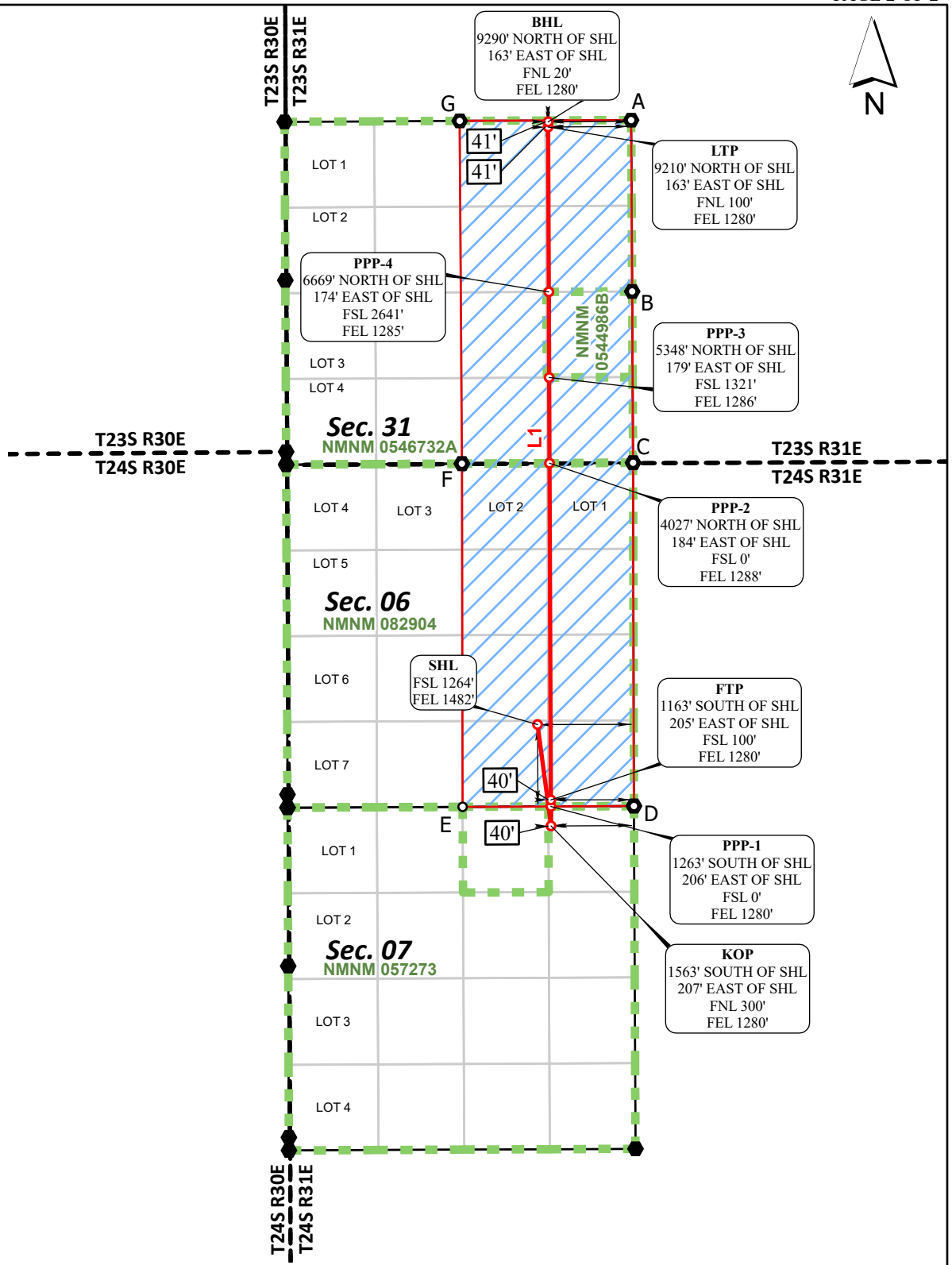
PPP-1 (NAD27)
X:661178.76' / Y:451055.05'
LAT:32.23899212 / LON:-103.81203941

KOP (NAD83)
X:702363.86' / Y:450814.09'
LAT:32.23829063 / LON:-103.81252512

KOP (NAD27)
X:661179.97' / Y:450755.06'
LAT:32.23816746 / LON:-103.81204021

SHL (NAD83)
X:702156.89' / Y:452376.70'
LAT:32.24258866 / LON:-103.81317004

SHL (NAD27)
X:660973.05' / Y:452317.63'
LAT:32.24246554 / LON:-103.81268491



CORNER COORDINATES NAD 83, SPCS NM EAST	CORNER COORDINATES NAD 27, SPCS NM EAST
A - X: 703599.62' / Y:461692.37'	A - X: 662416.07' / Y:461633.08'
B - X: 703615.24' / Y:459051.85'	B - X: 662431.61' / Y:458992.63'
C - X: 703629.20' / Y:456410.90'	C - X: 662445.49' / Y:456351.74'
D - X: 703642.47' / Y:451120.07'	D - X: 662458.59' / Y:451061.04'
E - X: 701001.66' / Y:451107.73'	E - X: 659817.78' / Y:451048.69'
F - X: 700990.28' / Y:456396.89'	F - X: 659806.58' / Y:456337.73'
G - X: 700956.72' / Y:461680.43'	G - X: 659773.17' / Y:461621.13'

*FTP TO LTP LINE BEARINGS

LINE	BEARING
L1	N 00°13'55" W ~ 10372.58'

*FTP TO LTP LEASE DISTANCES

TRACT	DISTANCE
NMNM 082904	5190.00'
NMNM 0546732A	3861.96'
NMNM 0544986B	1320.62'
TOTAL	10372.58'

Drill Line Events | Section Corners | Drill Line | Dimension Lines | Federal Leases | HSU | HSU Corners

JOB No. OXY_0029_JS05_15460
REV 2 NDS 5/19/2025

All bearings and coordinates refer to New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet.

Distances/areas relative to NAD 83 grid measurements. Combined Scale Factor: 0.99977581 and a Convergence Angle: 0.27195833°

BOP Break Testing Request

Oxy requests permission to adjust the BOP break testing requirements as per the agreement reached with OXY/BLM on April 4th, 2025.

BOPE Break Testing is ONLY permitted for 5M BOPE or less (utilizing a 10M BOPE system.) Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.

BOP break test for the **intermediate or production** section under the following conditions:

- After a full BOP test is conducted.
- When skidding to drill an intermediate or production section which does not penetrate the deeper than the Wolf Camp formation (<5M).
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 3 CFR part 3170 Subpart 3172
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- In the event break testing is not utilized, then a full BOPE test would be conducted.
- If the kill line is broken prior to skid, two tests will be performed.
    - 1) Wellhead flange, co-flex hose, kill line connections and upper pipe rams
    - 2) Wellhead flange, HCR valve, check valve, upper pipe rams
- If the kill line is not broken prior to skid, only one test will be performed.
    - 1)Wellhead flange, co-flex hose, check valve, upper pipe rams

Subject: Request for a Variance Allowing Break Testing of a Blowout Preventer Stack

OXY USA Inc. (OXY) requests a variance to allow break testing of the Blowout Preventer (BOP) stack when skidding a drilling rig between wells on multi-well pads. This practice entails retesting only the connections of the **BOP** stack that have been disconnected during this operation and not a complete **BOP** test.

Background

43 CFR part 3170 Subpart 3172 states that a **BOP** test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) is this requires a complete **BOP** test and not just a test of the affected component. 43 CFR part 3170 Subpart 3172, Section I.D.2. states, "Some situations may exist either on a well-by-well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this Order. This situation can be resolved by requesting a variance...". OXY feels the practice of break testing the **BOP** stack is such a situation. Therefore, as per 43 CFR part 3170 Subpart 3172, Section IV., OXY submits this request for the variance.

Supporting Rationale

43 CFR part 3170 Subpart 3172 became effective on December 19, 1988, and has remained the standard for regulating BLM onshore drilling operations for almost 30 years. During this time there have been significant changes in drilling technology. **BLM** continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since 43 CFR part 3170 Subpart 3172 was originally released. The drilling rig fleet OXY utilizes in New Mexico was built with many modern upgrades. One of which allows the rigs to skid between wells on multi-well pads. A part of this rig package is

a hydraulic winch system which safely installs and removes the BOP from the wellhead and carries it during skidding operations. This technology has made break testing a safe and reliable procldure.

American Petroleum Institute (API) standards, specifications and recommended practices are considered industry standards and are consistently utilized and referenced by the industry. 43 CFR part 3170 Subpart 3172 recognized API Recommended Practices (RP) 53 in its original development. API Standard 53, *Blowout Prevention Equipment Systems for Drilling Wells* (Fourth Edition, November 2012, Addendum 1, July 2016) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 6.5.3.4.1.b states "Pressure tests on the well control equipment shall be conducted after the disconnection or repair of any pressure containment seal in the **BOP** stack, choke line, kill line, choke manifold, or wellhead assembly but limited to the affected component."

The Bureau of Safety and Environmental Enforcement (BSEE), Department of Interior, has also utilized the API standards, specifications and best practices in the development of its offshore oil and gas regulations and incorporates them by reference within its regulations. BSEE issued new offshore regulations under 30 CFR Part 250, *Oil and Gas and Sulphur Operations in the Outer Continental Shelf - Blowout Preventer Systems and Well Control,* which became effective on July 28, 2016. Section 250.737(d.1) states "Follow the testing requirements of API Standard 53". In addition, Section 250.737(d.8) has adopted language from **API** Standard 53 as it states "Pressure test affected **BOP** components following the disconnection or repair of any well-pressure containment seal in the wellhead or **BOP** stack assembly".

Break testing has been approved by the BLM in the past. See the Appendix for a Sundry Notice that was approved in 2015 by the Farmington Field Office. This approval granted permission for the operator to break test when skidding its Aztec 1000 rig on multi-well pads.

Oxy feels break testing and our current procedures meet the intent of 43 CFR part 3170 Subpart 3172 and often exceed it. We have not seen any evidence that break testing results in more components failing tests than seen on full BOP tests. As skidding operations take place within the 30-day full BOPE test window, the BOP shell and components such as the pipe rams and check valve get tested to the full rated working pressure more often. Therefore, there are more opportunities to ensure components are in good working order. Also, Oxy's standard requires complete BOP tests more often than that of 43 CFR part 3170 Subpart 3172. In addition to function testing the annular at least weekly and the pipe and blind rams on each trip, Oxy also performs a choke drill prior to drilling out every casing shoe. As a crew's training is a vital part of well control, this procedure to simulate step one of the Driller's Method exceeds the requirements of 43 CFR part 3170 Subpart 3172.

Procedures

1) OXY would perform BOP break testing on multi-well pads where multiple intermediate or production sections can be drilled and cased within the 21-day BOP test window
2) After performing a complete BOP test on the first well and drilling and casing the hole section, three breaks would be made on the BOP.
   - Between the check valve and the kill line
   - Between the HCR valve and the co-flex hose or the co-flex hose and the manifold
   - Between the BOP flange and the wellhead
3) The BOP is then lifted and removed from the wellhead by the hydraulic winch system
4) After skidding to the next well, the BOP is moved to the wellhead by the hydraulic winch system and installed
5) The choke line and kill line are reconnected
6) A test plug is installed in the wellhead with a joint of drill pipe and the internal parts of the check valve are removed
7) A shell test is performed against the upper pipe rams testing all thl-ee breaks
8) The internal parts of the check valve are reinstalled and the HCR valve is closed. A second test is performed on them
9) These tests consist of a 250 psi low test and a high test to the value submitted in the APD or SN (e.g., 5000 psi)
10) Perform a function test of components not pressure tested to include the lower pipe rams, the blind rams and the annular
11) If this were a three well pad, the same three breaks on the BOP would be made and steps 4 through 11 would be repeated
12) A second break test would only be done if the third hole section could be completed within the 21-day BOP test window
13) If a second break test is performed, additional components that were not tested on the initial break test will be tested on this break test

Notes:

a. If any parts of the BOP are changed out or any additional breaks are made during the skidding operation, these affected components would also be tested as in step 9.
b. As the choke manifold remains stationary during the skidding operation and the only break to the manifold is tested in step 8 above, no further testing of the manifold is done until the next full BOP test.

Summary

OXY requests a variance to allow break testing of the BOP stack when skidding drilling rigs between wells on multi-well pads. API standards, specifications and recommended practices are considered industry standards and are consistently utilized and referenced by the industry and the BLM. API Standard 53 recognizes break testing as an acceptable practice and BSEE adopted language from this standard into its newly created 30 CFR Part 250 which also supports break testing. Due to this, OXY feels this request meets the intent of 43 CFR part 3170

Oxy USA Inc. - Blanket Design Pad Document

OXY - Blanket Design A

Pad Name: SNDDNS_T24SR31E_6_5

SHL: 1264' FSL 1513' FEL, Sec 06, T24S-R31E

Oxy requests for the bellow wells to be approved for the two designs listed in the Blanket Design document **(Blanket Design A –OXY –3S Slim v7.2.)** The MDs and TVDs for all intervals are within the boundary conditions. The max inclination and DLS are also within the boundary conditions (directional plans attached separately for review.)

1. Blanket Design - Wells

Well Name	APD #	Surface		Intermediate		Production	
		MD	TVD	MD	TVD	MD	TVD
NUGGET 6_31 FED COM 24H	10400098023	873	873	8077	7818	19577	8683
NUGGET 6_31 FED COM 25H	10400098031	881	881	8143	7908	19554	8824
NUGGET 6_31 FED COM 26H	10400098045	886	886	8163	7889	19193	8667

2. Review Criteria Table

	Y or N
Is casing new? If used, attach certification as required in 43 CFR 3160	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-Q?	Y
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	Y
Is well located in R-111-Q and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Geologic Formations

Formation	MD-RKB (ft)	TVD-RKB (ft)	Expected Fluids
Rustler	555	555	
Salado	933	933	Salt
Marker Bed 126	2000	2000	Salt
Castile	2810	2807	Salt
Delaware	4253	4186	Oil/Gas/Brine
Bell Canyon	4284	4216	Oil/Gas/Brine
Cherry Canyon	5239	5124	Oil/Gas/Brine
Brushy Canyon	6555	6376	Losses
Bone Spring	8308	8046	Oil/Gas
Bone Spring 1st			Oil/Gas
Bone Spring 2nd			Oil/Gas
Bone Spring 3rd			Oil/Gas
Wolfcamp			Oil/Gas
Penn			Oil/Gas
Strawn			Oil/Gas

4. Cementing Program

Section	Stage	Slurry:	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess:	TOC	Placement	Description
Surface	1	Surface - Tail	730	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	171	1.68	13.2	5%	6,805	Circulate	Class C+Ret., Disper.
Int.	2	Intermediate 2S - Tail BH	1051	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	680	1.84	13.3	25%	7,577	Circulate	Class C+Ret.

OXY APD CHANGE SUNDRY LIST FORM

DATE SUNDRY WORKSHEET CREATED	6/25/2025
WELL NAME_NUMBER	NUGGET 6_31 FEDERAL COM 25H
API NUMBER	30-015-56049
ESTIMATED SPUD DATE	4/1/2026

AFMSS Blurb

PLEASE SEE ATTACHED OXY APD CHANGE SUNDRY LIST THAT HIGHLIGHTS CHANGES AND ATTACHMENTS. GENERAL CHANGE DOCUMENTS ARE COMBINED INTO 1 PDF FILE AND WELL SPECIFIC DOCUMENTS ARE INDIVIDUAL ATTACHMENTS.

	ITEM	APD BASE LINE (For Regulatory to Complete)	SUNDRY PLAN (Groups to complete the latest plan)
		Date APD/BASE LINE APPROVED:	DATE Sundry Worksheet :
Surface Planning	NAME	NUGGET 6_31 FEDERAL COM 25H	NUGGET 6_31 FEDERAL COM 25H
	NSL	NO	NO
	SHL	SWSE 1264' FSL & 1482' FEL	SWSE 1264' FSL & 1482' FEL
	PAD	SNDDNS_24S31E_6_5	SNDDNS_24S31E_6_5
	BHL	NWNE 20' FNL & 1385' FEL	NENE 20' FNL & 1280' FEL
	HSU SIZE, ACRES	640	640
	POOL	COTTON DRAW; BONE SPRING	COTTON DRAW; BONE SPRING
	TVD	8,688	8,824
	TARGET FORMATION	BONESPRING	BONESPRING

Drilling — CASING PROGRAM

APD BASE LINE								SUNDRY PLAN							
Section	Hole Size (in.)	MD	TVD	Csg OD (in)	Csg WT	Grade	Conn.	Section	Hole Size (in.)	MD	TVD	Csg OD (in)	Csg WT (ppf)	Grade	Conn.
Surface	14.75	880	880	10.75	45.5	J-55	BTC	Surface	14.75	881	881	10.75	45.5	J-55	BTC
Int	9.875	8143	7906	7.625	26.4	L-80 HC	BTC	Int	9.875	8143	7908	7.625	26.4	L-80 HC	BTC
Int2								Int2							
Prod	6.75	19554	8688	5.5	20	P-110	WEDGE 461	Prod	6.75	19554	8824	5.5	20	P-110	DWC/C-HT-IS
Liner								Liner							

Drilling — CEMENT PROGRAM

APD BASE LINE									SUNDRY PLAN								
Section/Stage	Slurry	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess	TOC	Placement	Description	Section/Stage	Slurry	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess	TOC	Placement	Description
Surf	SURFACE- TAIL	736	1.33	14.8	100%	0	CIRCULATE	CLASS C+ ACCEL.	Surf	SURFACE- TAIL	737	1.33	14.8	100%	0	CIRCULATE	CLASS C+ ACCEL.
Int/1	INTERMEDIATE 1S- TAIL	185	1.65	13.2	5%	6,789	CIRCULATE	CLASS H+ ACCEL., DISPER., SALT	Int	INTERMEDIATE 1S- TAIL	182	1.68	13.2	5%	6,790	CIRCULATE	CLASS C+ RET., DISPER.
Int/2	INTERMEDIATE 2S- TAIL	1048	1.71	13.3	25%	0	BRADENHEAD	CLASS C+ ACCEL.	Int	INTERMEDIATE 2S- TAIL	1048	1.71	13.3	25%	0	BRADENHEAD	CLASS C+ ACCEL.
Int2									Int2								
Int2									Int2								
Prod	PRODUCTION- TAIL	675	1.84	13.3	25%	7,643	CIRCULATE	CLASS C+ RET.	Prod	PRODUCTION- TAIL	675	1.84	13.3	25%	7,643	CIRCULATE	CLASS C+ RET.

Drilling — VARIANCES

APD BASE LINE		SUNDRY PLAN	
BOP Break Tesing Variance	Y	BOP Break Tesing Variance	Y
5M Annular BOP Variance		5M Annular BOP Variance	
Bradenhead CBL Variance	Y	Bradenhead CBL Variance	Y
Offline Cementing Variance	Y	Offline Cementing Variance	Y
Production Annular Clearance Variance	Y	Production Annular Clearance Variance	Y
Flexible Choke Line Variance		Flexible Choke Line Variance	
(Pilot Hole, Logs etc.)		(Pilot Hole, Logs etc.)	

Note- Only fill out what item is changing. The other cells can be left blank.

VERSION DATE 8/30/2024

Section	Hole Size (in.)	MD (ft)	TVD (ft)	Csg OD (in)	Csg WT (ppf)	Grade	Conn.
Surface							
Int							
Int2							
Prod							
Liner							

Section	Stage	Slurry	Sacks	Yield (ft^3/ft)	Density (lb/gal)	Excess	TOC	Placement
Surf								
Int								
Int								
Int2								
Int2								
Prod								

Description

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 524827
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	12/5/2025