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

Sundry Print Report

04/29/2025

Well Name: EL CAMPEON FEDERAL COM

Well Location: T26S / R35E / SEC 20 / SESW / 32.022493 / -103.391261

County or Parish/State: LEA / NM

Well Number: 122H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM125400

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: PERMIAN RESOURCES OPERATING LLC

Notice of Intent

Sundry ID: 2846261

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/09/2025

Time Sundry Submitted: 12:19

Date proposed operation will begin: 05/01/2025

Procedure Description: Permian Resources Operating, LLC requests permission to make the following changes to the original APD: SHL Change, Spacing Change, Updated Drilling Program, Drilling Variances. Well LTP/BHL will remain located in Texas. Original APD ID: 10400100528 Current Well Name/Number: El Campeon Fed Com 122H (No Change) Formation: No Change SHL: Revised Change From: 352’FSL & 2071’FWL, SESW-Sec 20-26S-35E Change To: 354’FSL & 2071’FWL, SESW-Sec 20-26S-35E Total Move: 2’ South No Additional Surface Disturbance Lease Number: No Change FTP: Revised Change From: 100’FNL & 1980’FWL, NENW-Sec 29-26S-35E Change To: 100’FNL & 1650’FWL, NENW-Sec 29-26S-35E Lease Number: No Change State Line Crossing: Spacing Changes Only – LTP/BHL Located in Texas Change From: 0’FSL & 1980’FWL, Lot 3-Sec 32-26S-35E Change To: 0’FSL & 1330’FWL, Lot 3-Sec 32-26S-35E Lease Number: No Change LTP/BHL: Located in Texas

NOI Attachments

Procedure Description

El_Campeon_122H_Sundry_Attachments_20250409121853.pdf

Well Name: EL CAMPEON FEDERAL COM

Well Location: T26S / R35E / SEC 20 / SESW / 32.022493 / -103.391261

County or Parish/State: LEA / NM

Well Number: 122H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM125400

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: PERMIAN RESOURCES OPERATING LLC

Conditions of Approval

Additional

Sec_20_26S_35E_NMP_Sundry_2846261_El_Campeon_Federal_Com_122H_COAs_20250428143454.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: STEPHANIE RABADUE

Signed on: APR 28, 2025 08:44 AM

Name: PERMIAN RESOURCES OPERATING LLC

Title: Regulatory Manager

Street Address: 300 N MARIENFELD ST STE 1000

City: MIDLAND **State:** TX

Phone: (432) 695-1115

Email address: STEPHANIE.RABADUE@PERMIANRES.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: TANJA BACA

BLM POC Title: Land Law Examiner

BLM POC Phone: 5752345940

BLM POC Email Address: tabaca@blm.gov

Disposition: Approved

Disposition Date: 04/29/2025

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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. NMNM125400

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.
EL CAMPEON FEDERAL COM/122H

2. Name of Operator PERMIAN RESOURCES OPERATING LLC

9. API Well No.

3a. Address 300 N MARIENFELD ST SUITE 1000, MIDLAND

3b. Phone No. *(include area code)* (432) 695-4222

10. Field and Pool or Exploratory Area
WC-025 G-08 S263412K/BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SEC 20/T26S/R35E/NMP

11. Country or Parish, State
LEA/NM

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.)

Permian Resources Operating, LLC requests permission to make the following changes to the original APD: SHL Change, Spacing Change, Updated Drilling Program, Drilling Variances. Well LTP/BHL will remain located in Texas.

Original APD ID: 10400100528
Current Well Name/Number: El Campeon Fed Com 122H (No Change)
Formation: No Change

SHL: Revised
Change From: 352FSL & 2071FWL, SESW-Sec 20-26S-35E
Change To: 354FSL & 2071FWL, SESW-Sec 20-26S-35E
Total Move: 2 South
No Additional Surface Disturbance

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
STEPHANIE RABADUE / Ph: (432) 695-1115

Title Regulatory Manager

Signature (Electronic Submission)

Date 04/28/2025

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by
CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Title Petroleum Engineer

Date 04/29/2025

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 CARLSBAD

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

(Instructions on page 2)

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

Additional Remarks

Lease Number: No Change

FTP: Revised

Change From: 100FNL & 1980FWL, NENW-Sec 29-26S-35E

Change To: 100FNL & 1650FWL, NENW-Sec 29-26S-35E

Lease Number: No Change

State Line Crossing: Spacing Changes Only LTP/BHL Located in Texas

Change From: 0FSL & 1980FWL, Lot 3-Sec 32-26S-35E

Change To: 0FSL & 1330FWL, Lot 3-Sec 32-26S-35E

Lease Number: No Change

LTP/BHL: Located in Texas

Location of Well

0. SHL: SESW / 352 FSL / 2071 FWL / TWSP: 26S / RANGE: 35E / SECTION: 20 / LAT: 32.022493 / LONG: -103.391261 (TVD: 0 feet, MD: 0 feet)

PPP: SENW / 1322 FNL / 1980 FWL / TWSP: 26S / RANGE: 35E / SECTION: 29 / LAT: 32.017893 / LONG: -103.391548 (TVD: 11300 feet, MD: 12848 feet)

PPP: NENW / 100 FNL / 1980 FWL / TWSP: 26S / RANGE: 35E / SECTION: 29 / LAT: 32.021251 / LONG: -103.391553 (TVD: 11300 feet, MD: 11573 feet)

PPP: NESW / 2643 FSL / 1980 FWL / TWSP: 26S / RANGE: 35E / SECTION: 29 / LAT: 32.01426 / LONG: -103.391542 (TVD: 11300 feet, MD: 14170 feet)

BHL: LOT 3 / 0 FSL / 1980 FWL / TWSP: 26S / RANGE: 35E / SECTION: 32 / LAT: 32.000293 / LONG: -103.39152 (TVD: 11300 feet, MD: 19251 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Permian Resources Operating LLC
WELL NAME & NO.:	El Campeon Federal Com 122H
LOCATION:	Sec 20-26S-35E-NMP
COUNTY:	Lea County, New Mexico

*Changes approved through engineering via **Sundry 2846261** on 5/5/2025. Any previous COAs not addressed within the updated COAs still apply. **LTP & BHL in Texas.***

Create COAs

H_2S	Cave / Karst	Waste Prevention Rule
Not Reported	Low	Waste Minimization Plan

Potash	R-111-Q Design
None	

Wellhead	Casing
Multibowl	3-String Well ☐ Liner ☐ Fluid Filled ☑ Casing Clearance
☑ Flex Hose ☑ Break Testing	**Cementing** ☐ DV Tool ☑ Bradenhead ☑ Echometer ☑ Offline Cement ☐ Open Annulus ☐ Pilot Hole

Special Requirements

☐ Capitan Reef ☐ Water Disposal ☑ COM ☐ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H_2S) monitors shall be installed prior to drilling out the surface shoe. If H_2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **1,100** feet (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. **Set depth adjusted per BLM geologist.**
    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface

log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater (including lead cement.)
c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is **cement to surface**. If cement does not circulate, see B.1.a, c-d above.

Bradenhead Squeeze: Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon**.
b. **Second stage:** Operator to squeeze and top-out. Cement to meet requirements listed for this casing string. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down **Surface X Intermediate 1** annulus. Submit results to the BLM. If cement does not tie-back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified. ***If cement does not reach surface, the next casing string must come to surface.***

- Operator shall run a CBL from TD of the **Intermediate 1** casing to tieback requirements listed above after the second stage BH to verify TOC.
- **Operator shall run Echo-meter to verify Cement Slurry/Fluid top in the annulus.** Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out.
    - Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.
    - No displacement fluid/wash out shall be utilized at the top of the cement slurry during second stage bradenhead when running Echo-meter if cement is required to surface.
    - Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is at least **300 feet** (increased due to not meeting 0.422" clearance requirement per 43 CFR 3172) into previous casing string. Operator shall provide method of verification.
    - If cement does not circulate to surface on the previous casing, this string must come to surface.

C. PRESSURE CONTROL

1. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
    e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

2. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).

3. Break testing has been approved for this well ONLY on those intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)** If in the event break testing is not utilized, then a full BOPE test would be conducted.
    a. Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation. **BOPE Break Testing is NOT permitted to drilling the production hole section.**
    b. While in transfer between wells, BOPE shall be secured by the hydraulic carrier or cradle.
    c. A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
    d. As a minimum, a full BOPE test shall be performed at 21-day intervals.
    e. In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**. Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.

D. SPECIAL REQUIREMENT(S)

Communitization Agreement:

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

Offline Cementing

Offline cementing has been approved for **all hole sections, excluding production.** Contact the BLM prior to the commencement of any offline cementing procedure.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

Contact Lea County Petroleum Engineering Inspection Staff:

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
    a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
    b. When the operator proposes to set surface casing with Spudder Rig
        i. Notify the BLM when moving in and removing the Spudder Rig.
        ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
        iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. 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. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification

matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    iii. Manufacturer representative shall install the test plug for the initial BOP test.
    iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
    v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
    i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
    ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
    iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the

pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

v. The results of the test shall be reported to the appropriate BLM office.

vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☑ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
	96672	WC-025 G-08 S263412K; Bone Spring

Property Code	Property Name	Well Number
	EL CAMPEON FED COM	122H

OGRID No.	Operator Name	Ground Level Elevation
372165	PERMIAN RESOURCES OPERATING, LLC	3,174.23'

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	Longitude	County
N	20	26S	35E		352' FSL	2,071' FWL	32.022493°	-103.391261°	LEA

State Line Crossing

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
LOT 3	32	26S	35E		0' FSL	1,330' FWL	32.000293°	-103.393617°	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
387.65	Defining		Y	

Order Numbers. NSP-2244
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	Longitude	County
N	20	26S	35E		352' FSL	2,071' FWL	32.022493°	-103.391261°	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	29	26S	35E		100' FNL	1,650' FWL	32.021252°	-103.392618°	LEA

Last Take Point (LTP), Bottom Hole Location (BHL)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

*LTP & BHL WILL BE IN TEXAS

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:

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.

Stephanie Rabadue 04/06/2025

Signature Date

Stephanie Rabadue

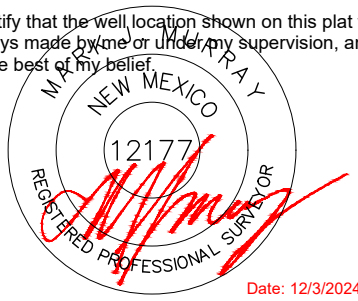
Printed Name

stephanie.rabadue@permianres.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.



Date: 12/3/2024

Signature and Seal of Professional Surveyor

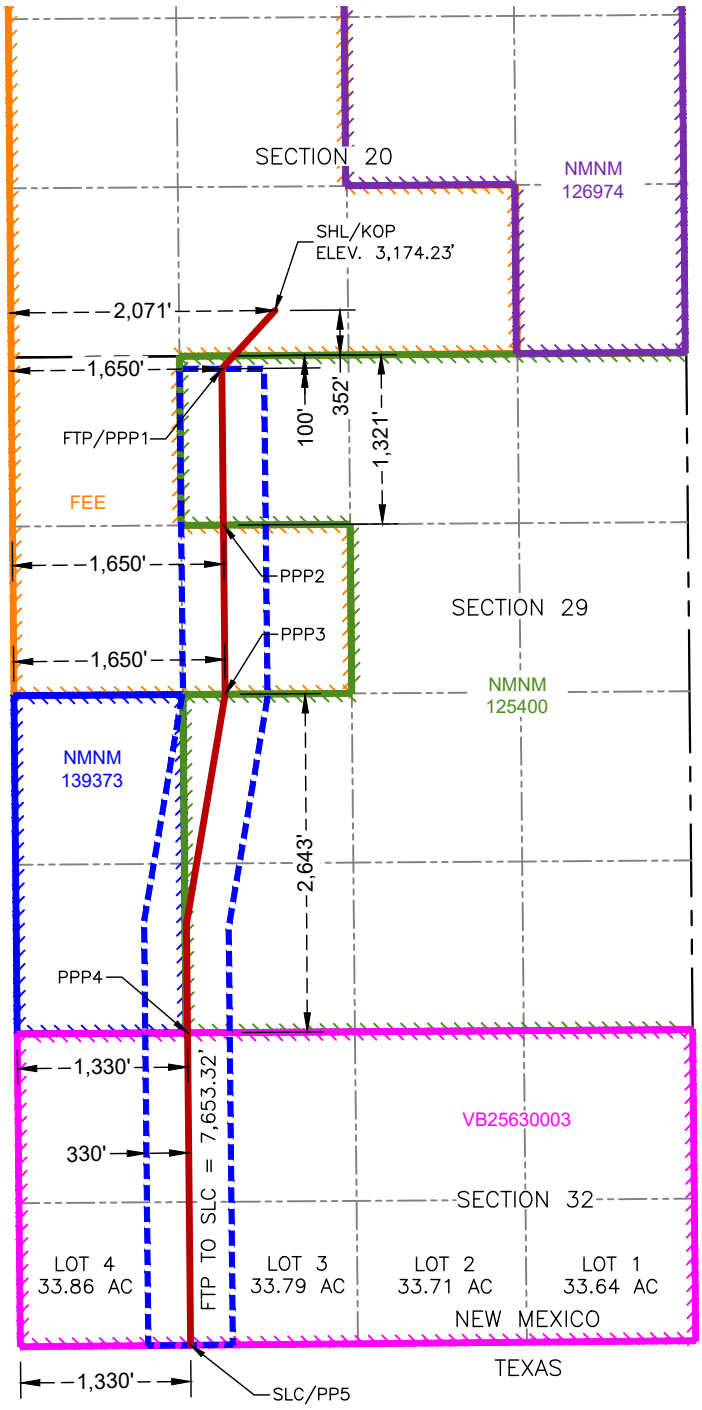
Certificate Number	Date of Survey
12177	12/3/2024

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

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



SURFACE HOLE LOCATION
& KICK-OFF POINT
352' FSL & 2,071' FWL
ELEV. = 3,174.23'

NAD 83 X = 833,303.18'
NAD 83 Y = 373,194.76'
NAD 83 LAT = 32.022493°
NAD 83 LONG = -103.391261°
NAD 27 X = 792,114.85'
NAD 27 Y = 373,137.58'
NAD 27 LAT = 32.022367°
NAD 27 LONG = -103.390801°

FIRST TAKE POINT &
PENETRATION POINT 1
100' FNL & 1,650' FWL

NAD 83 X = 832,886.61'
NAD 83 Y = 372,739.58'
NAD 83 LAT = 32.021252°
NAD 83 LONG = -103.392618°
NAD 27 X = 791,698.26'
NAD 27 Y = 372,682.41'
NAD 27 LAT = 32.021126°
NAD 27 LONG = -103.392158°

PENETRATION POINT 2
1,321' FNL & 1,650' FWL

NAD 83 X = 832,899.54'
NAD 83 Y = 371,518.17'
NAD 83 LAT = 32.017895°
NAD 83 LONG = -103.392610°
NAD 27 X = 791,711.14'
NAD 27 Y = 371,461.04'
NAD 27 LAT = 32.017768°
NAD 27 LONG = -103.392151°

PENETRATION POINT 3
2,643' FSL & 1,650' FWL

NAD 83 X = 832,913.54'
NAD 83 Y = 370,196.76'
NAD 83 LAT = 32.014262°
NAD 83 LONG = -103.392602°
NAD 27 X = 791,725.07'
NAD 27 Y = 370,139.67'
NAD 27 LAT = 32.014136°
NAD 27 LONG = -103.392143°

PENETRATION POINT 4
0' FSL & 1,330' FWL

NAD 83 X = 832,618.74'
NAD 83 Y = 367,552.14'
NAD 83 LAT = 32.007000°
NAD 83 LONG = -103.393627°
NAD 27 X = 791,430.16'
NAD 27 Y = 367,495.12'
NAD 27 LAT = 32.006874°
NAD 27 LONG = -103.393168°

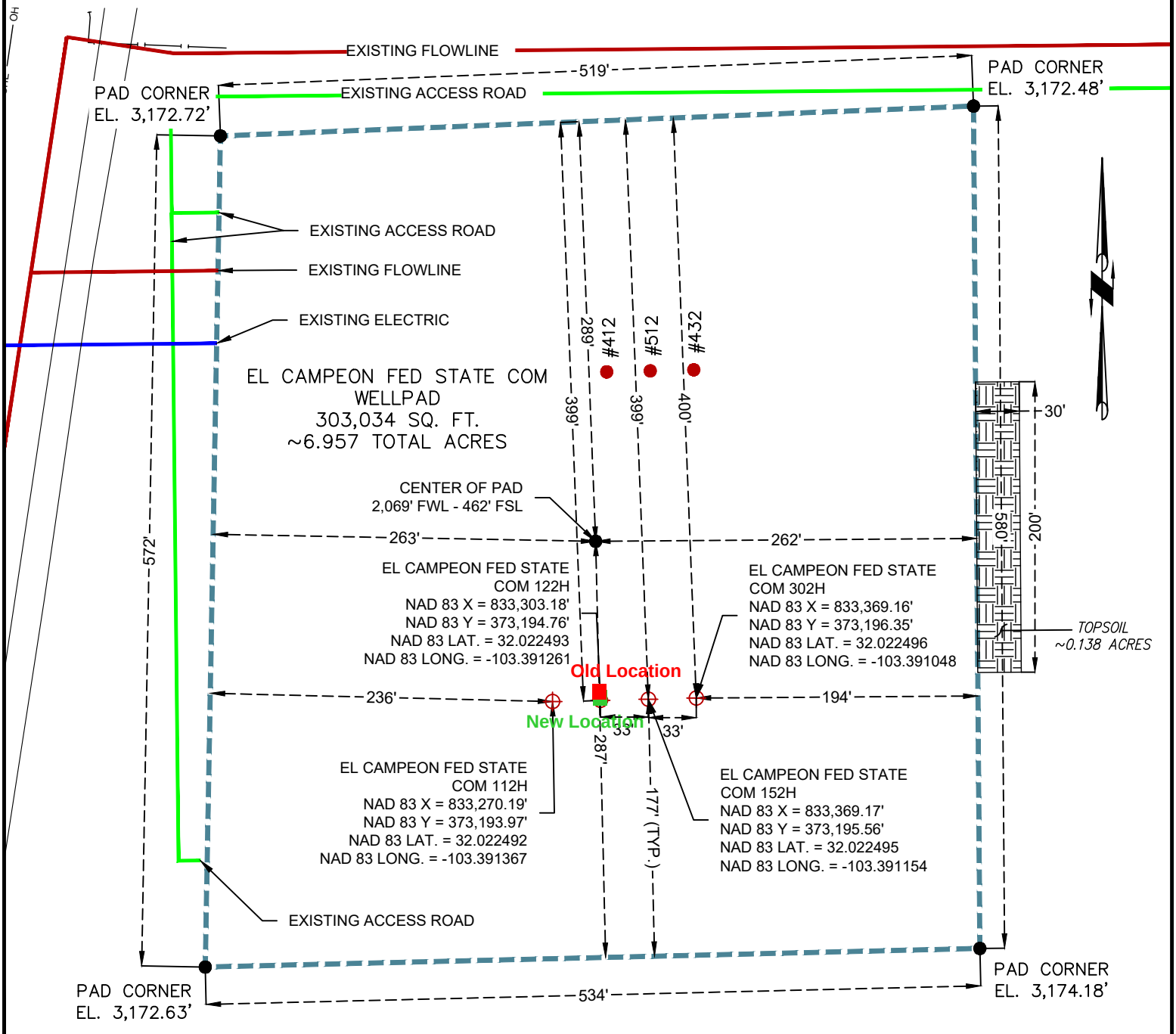
STATE LINE CROSSING &
POINT OF PENETRATION 5
0' FSL & 1,330' FWL

NAD 83 X = 832,643.25'
NAD 83 Y = 365,111.94'
NAD 83 LAT = 32.000293°
NAD 83 LONG = -103.393617°
NAD 27 X = 791,454.57'
NAD 27 Y = 365,054.98'
NAD 27 LAT = 32.000166°
NAD 27 LONG = -103.393158°

PERMIAN RESOURCES

SITE PLAN
EL CAMPEON FED COM SESW PAD 2
SECTION 20, TOWNSHIP 26 SOUTH, RANGE 35 EAST
NEW MEXICO PRINCIPAL MERIDIAN
LEA COUNTY, NEW MEXICO

100' 0' 100'



MARK J. MURRAY
NEW MEXICO
12177
REGISTERED PROFESSIONAL SURVEYOR
Date: 01/14/2025

LEGEND
- SURVEY LINES
- PROPOSED SURFACE SITE
- EXISTING ACCESS ROAD
- EXISTING FLOWLINE
- EXISTING ELECTRIC
- PROPOSED SURFACE LOCATION
- AS-DRILLED SURFACE LOCATION
- PAD CORNER

Date: 01/14/2025	Date: 01/14/2025	Scale: 1"=100'	DWG: 24-051855_El Campeon Fed State Com Pad 2 Site Plan
DRAWING PATH: D:\Coosa Consulting\Coosa Consulting\Clients - Projects\Permian Resources\24-051855_El Campeon Fed State Com\Drafting\Site Plans	Drawn: JMJ	Checked: MJM	Job: 24-051855	REVISION NO. 2

Permian Resources - El Campeon Fed Com 122H

1. Geologic Formations

Formation	Lithology	Elevation	TVD	Target
Rustler	Sandstone	2174	1040	No
Top of Salt	Salt	1714	1500	No
Lamar	Anhydrite/Shale	-2120	5334	No
Capitan	Limestone	NP	NP	No
Cherry Canyon	Sandstone	-2164	5378	No
Brushy Canyon	Sandstone	NP	NP	No
Bone Spring Lime	Limestone	-6060	9274	No
1st Bone Spring Sand	Sandstone/Limestone/Shale	-7206	10420	No
2nd Bone Spring Sand	Sandstone/Limestone/Shale	-7636	10850	Yes
3rd Bone Spring Sand	Sandstone/Limestone/Shale	3214	0	No
Wolfcamp A/XY	Sandstone/Limestone/Shale	3214	0	No
Wolfcamp B	Sandstone/Limestone/Shale	3214	0	No

2. Blowout Prevention

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
8.75	13-5/8"	5M	Annular	x	5000 psi
			Blind Ram	x	5000 psi
			Pipe Ram	x	
			Double Ram		
			Other*		
6.75	13-5/8"	10M	Annular	x	50% testing pressure
			Blind Ram	x	5000 psi
			Pipe Ram	x	
			Double Ram		
			Other*		

Equipment: BOPE will meet all requirements for above listed system per 43 CFR 3172. BOPE with working pressure ratings in excess of anticipated maximum surface pressure will be utilized for well control from drill out of surface casing to TMD. 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 of the components installed will be functional, tested, and will meet all requirements per 43 CFR 3172. The wellhead will be a multibowl speed head allowing for hangoff of intermediate casing of the surface x intermedicate annulus without breaking the connection between the BOP & wellhead. A variance is requested to utilize a flexible choke line (flexhose) from the BOP to choke manifold.

Requesting Variance? YES
Variance request: Multibowl Wellhead, Flexhose, Breaktesting, Offline Cementing Variances. Attachments in Section 8.
Testing Procedure: Operator requests to ONLY test broken pressure seals per API Standard 53 and the attachments in Section 8. The BOP test shall be performed before drilling out of the surface casing shoe and will occur at a minimum: a. when initially installed, b. whenever any seal subject to test pressure is broken, c. following related repairs, d. at 21-day intervals. Testing of the ram type preventer(s) and annual type preventer(s) shall be tested per 43 CFR 3172. The BOPE configuration, choke manifold layout, and accumulator system will be in compliance with 43 CFR 3172. Bleed lines will discharge 100' from wellhead in non-H2S scenarios and 150' from wellhead in H2S scenarios.

Choke Diagram Attachemnt: 5 M Choe Manifold
BOP Diagram Attachment: BOP Schematic

3. Casing

String	Hole Size	Casing Size	Top	Bottom	Top TVD	Bottom TVD	Length	Grade	Weight	Connection	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
Surface	12.25	9.625	0	1130	0	1130	1130	J55	40	BTC	4.60	4.72	Dry	4.92	Dry	4.34
Intermediate	8.75	7.625	0	2000	0	2000	2000	P110HSC	29.7	MOFXL	3.18	2.18	Dry	6.83	Dry	10.74
Production	6.75	5.5	0	1500	0	0	1500	P110RY	20	Rattler	1.40	1.79	Dry	2.32	Dry	2.32
Production	6.75	5.5	1500	21700	0	11300	20200	P110RY	20	Bushmaster SL	1.40	1.79	Dry	2.32	Dry	2.32
								BLM Min Safety Factor			1.125	1		1.6		1.6

Non API casing spec sheets and casing design assumptions attached.

4. Cement

String	Lead/Tail	Top MD	Bottom MD	Quanity (sx)	Yield	Density	Cu Ft	Excess %	Cement Type	Additives
Surface	lead	0	900	310	1.88	12.9	570	100%	Class C	EconoCem-HLC + 5% Salt + 5% Kol-Seal
Surface	Tail	900	1130	90	1.34	14.8	110	50%	Class C	Accelerator
Intermediate	Lead	0	1600	140	1.88	10.7	250	50%	Class C	EconoCem-HLC + 5% Salt + 5% Kol-Seal
Intermediate	Tail	1600	2000	60	1.34	14.2	70	50%	Class C	Retarder
Production	Lead	1500	2100	70	2.41	10.7	150	40%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder
Production	Tail	2100	21700	1190	1.73	12.5	2050	25%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder

Permian Resources requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Cherry Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + Bentonite Gel (2.30 yld, 12.9 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

Permian Resources will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

Permian Resources will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Permian Resources requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the surface casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

Permian Resources requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Permian Resources request permission to allow deviation from the 0.422' annulus clearance requirement from Onshore Order2 under the following conditions:
Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only

on the first 500’ overlap between both casing strings.
Annular clearance less than 0.422” is acceptable for the production open hole section.

5. Circulating Medium

Mud System Type: Closed
Will an air or gas system be used: No
Describe what will be on location to control well or mitigate oter conditions: Sufficient quantities of mud materials will be on the well site at all times for the purpose of assuring well control and maintaining wellbore integrity. Surface interval will employ fresh water mud. The intermediate hole will utilize a saturated brine fluid to inhibit salt washout. The production hole will employ brine based and oil base fluid to inhibit formation reactivity and of the appropriate density to maintain well control.

Describe the mud monitoring system utilized: Centrifuge separation system. Open tank monitoring with EDR will be used for drilling fluids and return volumes. Open tank monitoring will be used for cement and cuttings return volumes. Mud properties will be monitored at least every 24 hours using industry accepted mud check practices.

Cuttings Volume: 6190 Cu Ft

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight	Max Weight
0	1130	Spud Mud	8.6	9.5
1130	2000	Water Based Mud	10	10
2000	22716	OBM	9	11

6. Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:
Will utilize MWD/LWD from intermediate hole to TD of the well.
List of open and cased hole logs run in the well:
DIRECTIONAL SURVEY
Coring operation description for the well:
N/A

7. Pressure

Anticipated Bottom Hole Pressure	7940	psi
Anticipated Surface Pressure	5447	psi
Anticipated Bottom Hole Temperature	167	°F
Anticipated Abnormal pressure, temp, or geo hazards	No	

8. Waste Management

Waste Type:	**Drilling**
Waste content description:	Fresh water based drilling fluid
Amount of waste:	1500 bbls
Waste disposal frequency:	Weekly (after drilling all surfaces)
Safe containment description:	Steel tanks with plastic-lined containment berms
Waste disposal type:	Haul to commercial facility
Disposal location ownership:	Commercial
Waste Type:	**Grey Water & Human Waste**
Waste content description:	Grey Water/Human Waste
Amount of waste:	5000 gallons
Waste disposal frequency:	Weekly
Safe containment description:	Approved waste storage tanks with containment
Waste disposal type:	Haul to commercial facility
Disposal location ownership:	Commercial
Waste Type:	**Garbage**
Waste content description:	General trash/garbage
Amount of waste:	5000 lbs
Waste disposal frequency:	Weekly
Safe containment description:	Enclosed trash trailer
Waste disposal type:	Haul to commercial facility
Disposal location ownership:	Commercial
Waste Type:	**Drilling**
Waste content description:	Drill Cuttings
Amount of waste:	6190 Cu Ft
Waste disposal frequency:	Per well
Safe containment description:	Steel tanks
Waste disposal type:	Haul to commercial facility
Disposal location ownership:	Commercial
Waste Type:	**Drilling**
Waste content description:	Brine water based drilling fluid
Amount of waste:	1500 bbls
Waste disposal frequency:	Monthly
Safe containment description:	Steel tanks with plastic-lined containment berms
Waste disposal type:	Haul to commercial facility
Disposal location ownership:	Commercial

9. Other Information

Well Plan and AC Report: attached
Batching Drilling Procedure: attached
WBD: attached
Flex Hose Specs: attached
Offline Cementing Procedure Attached:

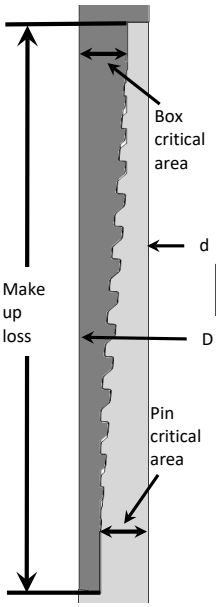
Metal One Corp.	MO-FXL *1 Pipe Body: BMP P110HSCY MinYS125ksi Min95%WT Connection Data Sheet	CDS#	MO-FXL 8-5/8 32.0 P110HSCY MinYS125ksi Min95%WT
		Date	8-Sep-21

MO-FXL

Geometry

Pipe Body

	Imperial		S.I.	
Grade *1	P110HSCY		P110HSCY	
MinYS *1	125	ksi	125	ksi
Pipe OD (D)	8 5/8	in	219.08	mm
Weight	32.00	lb/ft	47.68	kg/m
Actual weight	31.10		46.34	kg/m
Wall Thickness (t)	0.352	in	8.94	mm
Pipe ID (d)	7.921	in	201.19	mm
Pipe body cross section	9.149	in^2	5,902	mm^2
Drift Dia.	7.796	in	198.02	mm
-	-	-	-	-



Connection

Box OD (W)	8.625	in	219.08	mm
PIN ID	7.921	in	201.19	mm
Make up Loss	3.847	in	97.71	mm
Box Critical Area	5.853	in^2	3686	mm^2
Joint load efficiency	69	%	69	%
Thread Taper	1 / 10 (1.2" per ft)			
Number of Threads	5 TPI			

Performance

Performance Properties for Pipe Body

S.M.Y.S. *1	1,144	kips	5,087	kN
M.I.Y.P. *1	9,690	psi	66.83	MPa
Collapse Strength *1	4,300	psi	29.66	MPa

Note S.M.Y.S.= Specified Minimum YIELD Strength of Pipe body
M.I.Y.P. = Minimum Internal Yield Pressure of Pipe body

*1: BMP P110HSCY: MinYS125ksi, Min95%WT, Collapse Strength 4,300psi

Performance Properties for Connection

Tensile Yield load	789 kips (69% of S.M.Y.S.)
Min. Compression Yield	789 kips (69% of S.M.Y.S.)
Internal Pressure	6,780 psi (70% of M.I.Y.P.)
External Pressure	100% of Collapse Strength
Max. DLS (deg. /100ft)	29

Recommended Torque

Min.	13,600	ft-lb	18,400	N-m
Opti.	14,900	ft-lb	20,200	N-m
Max.	16,200	ft-lb	21,900	N-m
Operational Max.	28,400	ft-lb	38,500	N-m

Note : Operational Max. torque can be applied for high torque application

Fermata Technologies

5.500 x 20.00# P-110 RY (SeAH Pipe Body) Rattler® (95% RBW Special Clearance)

Pipe Body Data		
Nominal OD	5.500	Inches
Wall Thickness	0.361	Inches
Weight	20.00	lb/ft
PE Weight	19.83	lb/ft
Nominal ID	4.778	Inches
Drift	4.653	Inches
Minimum Yield Strength	110,000	PSI
Minimum Tensile Strength	125,000	PSI
RBW	95.0%	Rating

Connection Data		
Connection OD	6.050	Inches
Connection ID	4.778	Inches
Make-Up Loss	4.175	Inches
Tension Efficiency	99%	Rating
Compression Efficiency	100%	Rating
Yield Strength in Tension	635,000	LBS.
Yield Strength in Compression	641,000	LBS.
MIYP (Burst)	13,720	PSI
Collapse	11,100	PSI
Uniaxial Bending	90.9	°/100 FT

Make-Up Torque		
Yield Torque	36,000	FT-LBS.
Max Operating Torque	30,600	FT-LBS.
Max Make-Up	16,600	FT-LBS.
Optimum Make-Up	14,400	FT-LBS.
Minimum Make-Up	12,200	FT-LBS.

Revision 7.12.23

For Technical Support please email support@fermata-tech.com or call (281) 941-5257. 8/21/2024

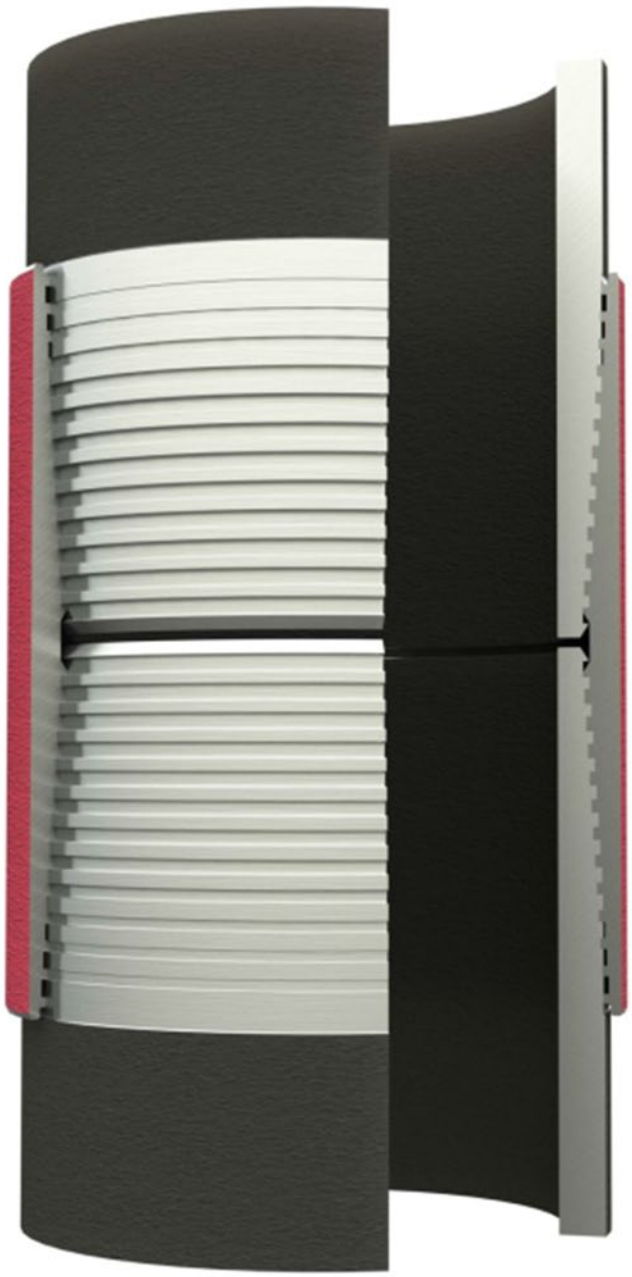
Fermata Technologies

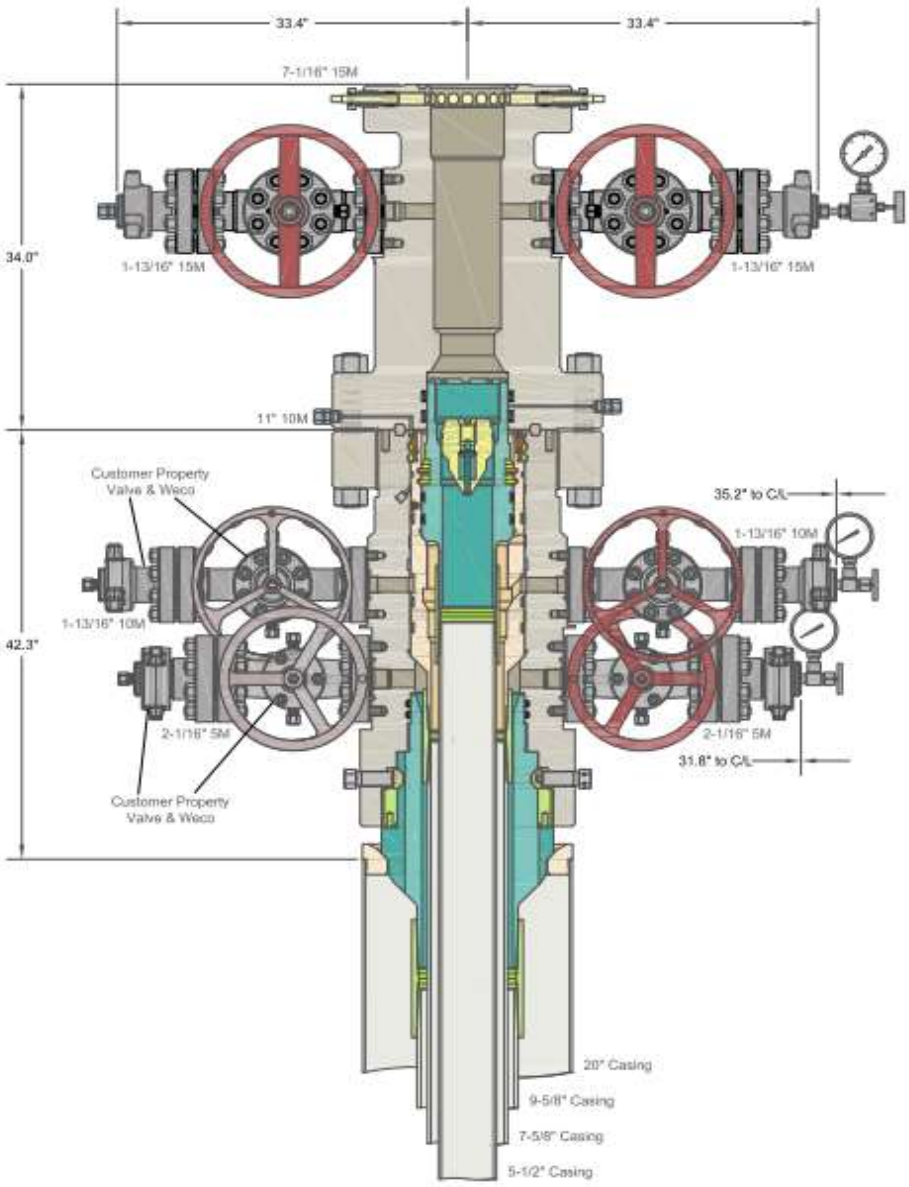
5.500 x 20.00# P-110 RY Bushmaster® SL (95% RBW)

Pipe Body Data		
Nominal OD	5.500	Inches
Wall Thickness	0.361	Inches
Weight	20.00	lb/ft
PE Weight	19.83	lb/ft
Nominal ID	4.778	Inches
Drift	4.653	Inches
Minimum Yield Strength	110,000	PSI
Minimum Tensile Strength	125,000	PSI
RBW	95.0%	Rating

Connection Data		
Connection OD	5.900	Inches
Connection ID	4.778	Inches
Make-Up Loss	4.892	Inches
Tension Efficiency	100%	Rating
Compression Efficiency	100%	Rating
Yield Strength in Tension	641,000	LBS.
Yield Strength in Compression	641,000	LBS.
MIYP (Burst)	13,720	PSI
Collapse*	11,110	PSI
Uniaxial Bending	92	º/100 FT

Make-Up Torque		
Yield Torque	41,000	FT-LBS.
Max Operating Torque	32,800	FT-LBS.
Max Make-Up	22,000	FT-LBS.
Optimum Make-Up	20,000	FT-LBS.
Minimum Make-Up	18,000	FT-LBS.





ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC	PERMIAN RESOURCES HOBBS, NM		
20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DLBO Wellhead System With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And Hand Wheel Casing Valves & Back Pressure Valve	DRAWN	DLE	26OCT23
	APPRV		
	DRAWING NO.	HBE0001074	

Continental

ContiTech Fluid Technology

ContiTech Oil & Marine Corp. # 11535 Brittmoore Park Dr., Houston, TX 77041-6916 USA

CONSIGNEE / Ship-to address:

HELMERICH & PAYNE INT'L DRILLING CO
ATTN: FLEX RIG WHSE - B-BAY
210 MAGNOLIA DRIVE
GALENA PARK TX 77547

Buyer:

HELMERICH & PAYNE INT'L DRILLING CO
1437 SOUTH BOULDER
74119 TULSA

Conditions

Incoterms EXW Houston
Ex Works

Packing list / Delivery note

Document No.	**71461553**
Document Date	28.01.2022
Customer Number	11697
Customer VAT No.	
Supplier Number	
Purchase Order No.	740362040
Purchase Order Date	18.01.2022
Sales Order Number	1388153
Sales Order Date	18.01.2022
Unloading Point	
RAN-No.	

Page 1 of 2

Weights (Gross / Net)

Total Gross Weight	2,507.000 LB
Total Net Weight	2,507.000 LB

Item	Material/Description	Quantity	Net Weight	Gross Weight
	Buyer: Jack Peebles *E-mail: Jackie.Peebles@hpinc.com* *Tel: 832-782-6000* *Rig/Whse: HOW*			
20	00RECERTIFY Recert of HP Hoses Serial# 67094 Commodity Code: 3" X 35 FT 10K Choke & Kill Hoses API 16C End 1: 4 - 1/16" 10Kpsi API Spec 6A Type 6BX Flange End 2: 4 - 1/16" 10Kpsi API Spec 6A Type 6BX Flange c/w BX155 ring groove each end Standard: API Spec 16C - Monogrammed Working Pressure: 10,000psi Test Pressure: 15,000psi Inspection & Certification includes: External inspection of the hose & couplings Internal boroscopic inspection of hose liner Hydrostatic pressure test of hose assembly Repair of any external damage to hose body and end connections (limited to minor repairs). Clean & protect end connections Inspection Report Disposal of hose assembly if hose fails inspection and recertification process. Please Flush Hoses before sending them to our Facility.	1 PC	2,507.000 LB	2,507.000 LB

8800240
Y106-01-01
2-9-22

Record Rotary Hose sleeve number on the CBC Made Hose List !

Hydrostatic Test Certificate

ContiTech

Certificate Number	COM Order Reference	Customer Name & Address
H100122	1388153	HELMERICH & PAYNE DRILLING CO 1434 SOUTH BOULDER AVE TULSA, OK 74119 USA
Customer Purchase Order No:	740362040	
Project:		

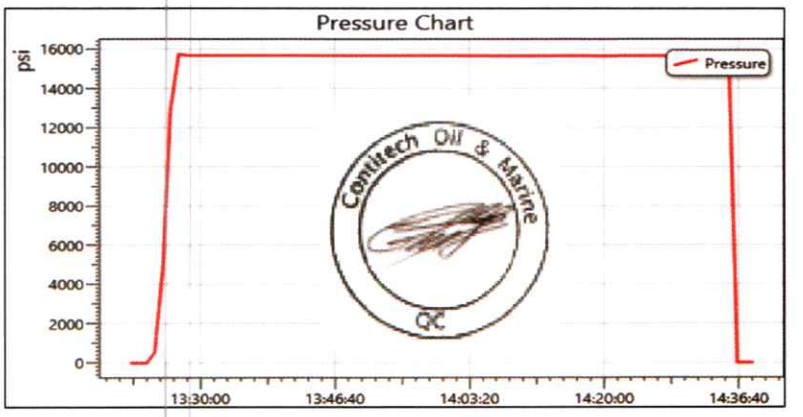
Test Center Address	Accepted by COM Inspection		Accepted by Client Inspection
ContiTech Oil & Marine Corp. 11535 Brittmoore Park Drive Houston, TX 77041 USA	Signed: Date:	Gerson Mejia-Lazo 02/09/22	

We certify that the goods detailed hereon have been inspected as described below by our Quality Management System, and to the best of our knowledge are found to conform the requirements of the above referenced purchase order as issued to ContiTech Oil & Marine Corporation.

Item	Part No.	Description	Qnty	Serial Number	Work. Press. (psi)	Test Press. (psi)	Test Time (minutes)
20	RECERTIFICATION	3" ID 10K Choke and Kill Hose x 35ft OAL	1	67094	10,000	15,000	60

Record Information	
Start Time	1/27/2022 13:21:21
End Time	1/27/2022 14:38:28
Interval	00:01:00
Number	78
MaxValue	15849
MinValue	-3
AvgValue	14240
RecordName	67094-sh
RecordNumber	199

Gauge Information	
Model	ADT680
SN	21817380014
Range	(0-40000)psi
Unit	psi



Permian Resources
Multi-Well Pad Batch Drilling Procedure

Surface Casing - PR intends to Batch set all surface casing to a depth approved in the APD. Surface Holes will be batch drilled by a rig. Appropriate notifications will be made prior to spudding the well, running and cementing casing and prior to skidding to the rig to the next well on pad.

1. Drill Surface hole to Approved Depth with Rig and perform wellbore cleanup cycles. Trip out and rack back drilling BHA.
2. Run and land planned surface casing see Illustration 1-1 Below to depth approved in APD.
3. Set packoff and test to 5k psi
4. Offline Cement
5. Install wellhead with pressure gauge and nightcap. Nightcap is shown on final wellhead Stack up Illustration #2-2.
6. Skid Rig to adjacent well to drill Surface hole.
7. Surface casing test will be performed by the rig in order to allow ample time for Cement to develop 500psi compressive strength. Casing test to 0.22 psi/ft or 1500 psi whichever is greater - not to exceed 70% casing burst.

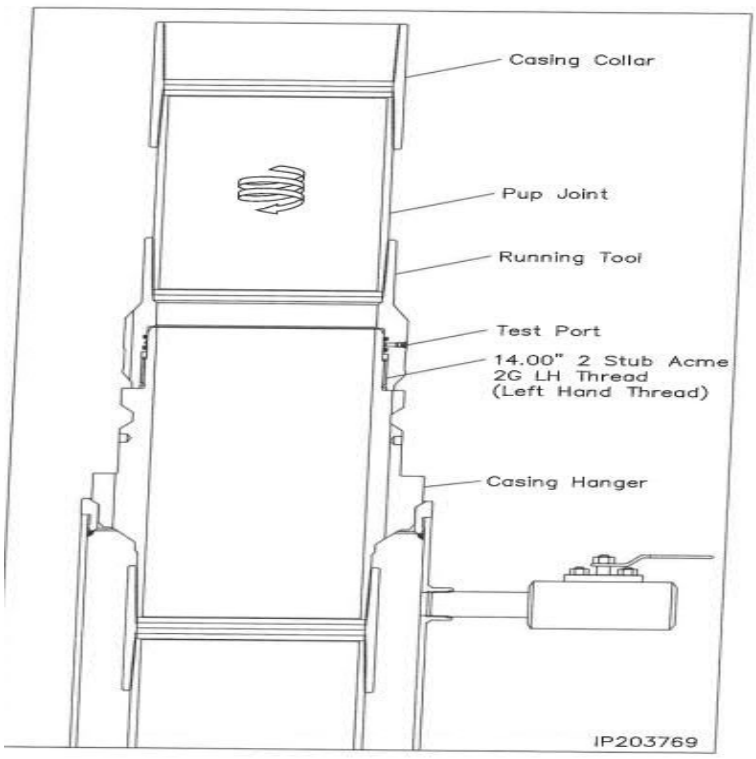


Illustration 1-1

Intermediate Casing – PR intends to Batch set all intermediate casing strings to a depth approved in the APD. Intermediate Holes will be batch drilled by the rig. Appropriate notifications will be made prior to testing BOPE, and prior to running/cementing all casing strings.

1. Rig will remove the nightcap and install and test BOPE.
2. Test Surface casing per COA WOC timing (.22 psi/ft or 1500 psi whichever is greater) - not to exceed 70% casing burst. Cement must have achieved 500psi compressive strength prior to test.
3. Install wear bushing then drill out surface casing shoe-track plus 20' and conduct FIT to minimum of the MW equivalent anticipated to control the formation pressure to the next casing point.
4. Drill Intermediate hole to approved casing point. Trip out of hole with BHA to run Casing.
5. Remove wear bushing then run and land Intermediate Casing with mandrel hanger in wellhead.
6. Cement casing to surface with floats holding.
7. Washout stack then run wash tool in wellhead and wash hanger and pack-off setting area.
8. Install pack-off and test void to 5,000 psi for 15 minutes. Nightcap shown on final wellhead stack up illustration 2-2 on page 3.
9. Test casing per COA WOC timing (.22 psi/ft or 1500 psi whichever is greater) - not to exceed 70% casing burst. Cement must have achieved 500psi compressive strength prior to test.
10. Install nightcap – skid rig to adjacent well to drill Intermediate hole.

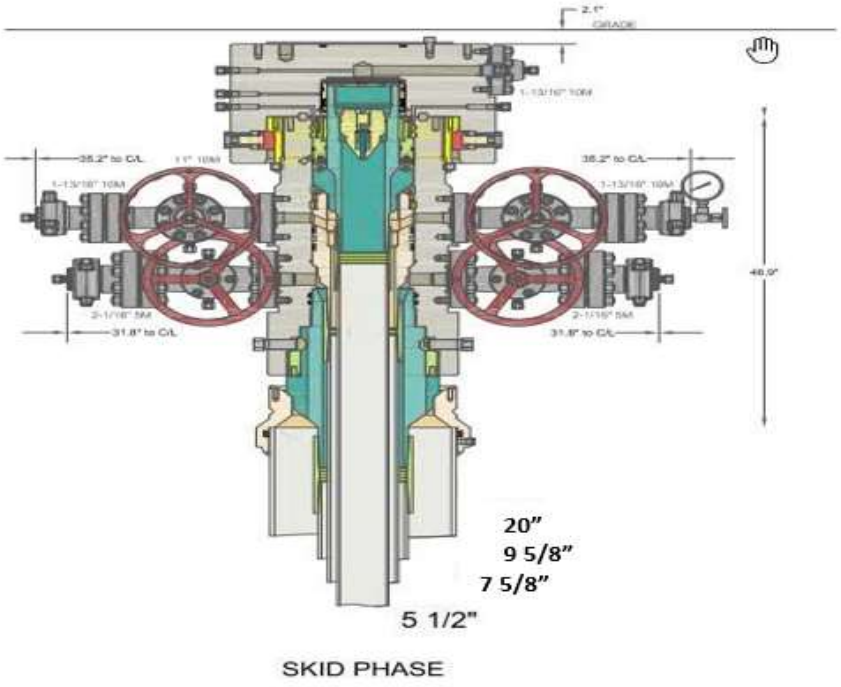


Illustration 2-2

Production Casing – PR intends to Batch set all Production casings with Rig. Appropriate notifications will be made prior Testing BOPE, and prior to running/cementing all casing strings.

1. Drilling Rig will remove the nightcap and install and test BOPE.
2. Install wear bushing then drill Intermediate shoe-track plus 20' and conduct FIT to minimum MW equivalent to control the formation pressure to TD of well.
3. Drill Vertical hole to KOP – Trip out for Curve BHA.
4. Drill Curve, landing in production interval – Trip for Lateral BHA.
5. Drill Lateral / Production hole to Permitted BHL, perform cleanup cycles and trip out to run Production Casing.
6. Remove wear bushing then run Production casing to TD landing casing mandrel in wellhead.
7. Cement Production string with floats holding.
8. Run in with wash tool and wash wellhead area – install pack-off and test void to 5,000psi for 15 minutes.
9. Install BPV in Production mandrel hanger – Nipple down BOPE and install nightcap.
10. Test nightcap void to 5,000 psi for 30 minutes per illustration 2-2
11. Skid rig to adjacent well on pad to drill production hole.

Permian Resources
BOP Break Testing Variance Procedure

Subject: Request for a Variance Allowing break Testing of the Blowout Preventer Equipment (BOPE). Permian Resources requests a variance to ONLY test broken pressure seals on the BOPE and function test BOP when skidding a drilling rig between multiple wells on a pad.

Background

Title 43 CFR 3172, Drilling Operations, Sections 6.b.9.iv states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. 43 CFR 3172.13, Variances from minimum standards states, "An operator may request the authorized officer to approve a variance from any of the minimum standards prescribed in §§ 3172.6 through 3172.12. All such requests shall be submitted in writing to the appropriate authorized officer and provide information as to the circumstances which warrant approval of the variance(s) requested and the proposed alternative methods by which the related minimum standard(s) are to be satisfied. The authorized officer, after considering all relevant factors, if appropriate, may approve the requested variance(s) if it is determined that the proposed alternative(s) meet or exceed the objectives of the applicable minimum standard(s).". Permian Resources feels the break testing the BOPE is such a situation. Therefore, as per 43 CFR 3172.13, Permian Resources submits this request for the variance.

Supporting Documentation

The language used in 43 CFR 3172 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time, there have been significant changes in drilling technology. The 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 3172 was originally released. The Permian Resources drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.

Figure 1: Winch System attached to BOP Stack

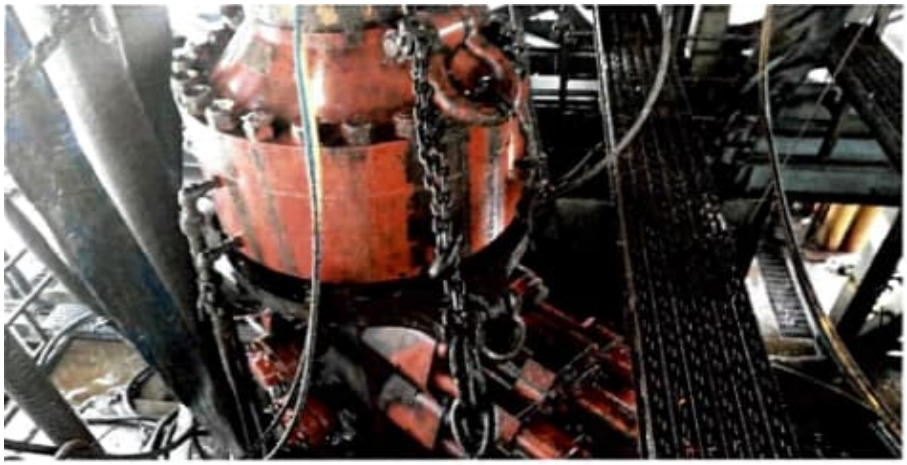


Figure 2: BOP Winch System

American Petroleum Institute (API) standards, specification and recommended practices are considered the industry standard and are consistently utilized and referenced by the industry. 43 CFR 3172 recognizes API recommended Practices (RP) 53 in its original development. API Standard 53, Well Control Equipment Systems for Drilling Wells (Fifth Edition, December 2018, Annex C, Table C.4) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component." See Table C.4 below for reference.

Table C.4—Initial Pressure Testing, Surface BOP Stacks

Component to be Pressure Tested	Pressure Test—Low Pressure[a,c] psig (MPa)	Pressure Test—High Pressure[a,c]	
		Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket
Annular preventer[b]	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower.
Fixed pipe, variable bore, blind, and BSR preventers[a,c]	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP
Choke manifold—upstream of chokes[a]	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP
Choke manifold—downstream of chokes[a]	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or MASP for the well program, whichever is lower	
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program	

[a] Pressure test evaluation periods shall be a minimum of five minutes.
No visible leaks.
The pressure shall remain stable during the evaluation period. The pressure shall not decrease below the intended test pressure.

[b] Annular(s) and VBR(s) shall be pressure tested on the largest and smallest OD drill pipe to be used in well program.

[c] For pad drilling operations, moving from one wellhead to another within the 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

[d] For surface offshore operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented during the initial test. For land operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented at commissioning and annually.

[e] Adjustable chokes are not required to be full sealing devices. Pressure testing against a closed choke is not required.

The Bureau of Safety and Environmental Enforcement (BSEE), Department of Interior, has also utilized the API standards, specification and best practices in the development of its offshore oil and gas regulations and incorporates them by reference within its regulations.

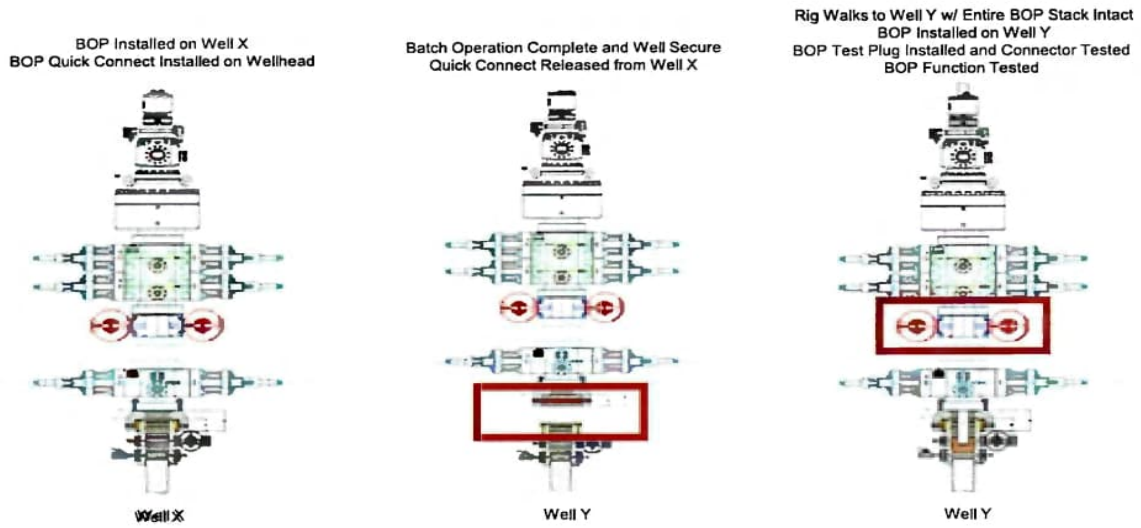
Break testing has been approved by the BLM in the past with other operators based on the detailed information provided in this document.

Permian Resources feels break testing and our current procedures meet the intent of 43 CFR 3172 and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. Permian Resources internal standards require complete BOPE tests more often than that of 43 CFR 3172 (every 21 days). In addition to function testing the annular, pipe rams and blind rams after each BOP nipple up, Permian Resources performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of 43 CFR 3172.

Procedures

1) Permian Resources will use this document for our break testing plan for New Mexico Delaware Basin. The summary below will be referenced in the APD or Sundry Notice and receive approval prior to implementing this variance.
2) Permian Resources will perform BOP break testing on multi-wells pads where multiple intermediate sections can be drilled and cased within the 21-day BOP test window.
    a)A full BOP test will be conducted on the first well on the pad.
    b)The first intermediate hole section drilled on the pad will be the deepest. All the remaining hole sections will be the same formation depth or shallower.
    c) A full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
    d) A full BOP test will be required prior to drilling any production hole.
3) After performing a complete BOP test on the first well, the intermediate hole section will be drilled and cased, two breaks would be made on the BOP equipment.
    a) Between the HCV valve and choke line connection
    b)Between the BOP quick connect and the wellhead
4) The BOP is then lifted and removed from the wellhead by a hydraulic system.
5) After skidding to the next well, the BOP is moved to the wellhead by the same hydraulic system and installed.
6) The connections mentioned in 3a and 3b will then be reconnected.
7) Install test plug into the wellhead using test joint or drill pipe.
8) A shell test is performed against the upper pipe rams testing the two breaks.
9) The shell test will consist of a 250 psi low test and a high test to the value submitted in the APD or Sundry (e.g. 5,000 psi or 10,000psi).
10) Function tests will be performed on the following components: lower pipe rams, blind rams, and annular.
11) For a multi-well pad the same two breaks on the BOP would be made and on the next wells and steps 4 through 10 would be repeated.
12) A second break test would only be done if the intermediate hole section being drilled could not be completed within the 21 day BOP test window.

Note: Picture below highlights BOP components that will be tested during batch operations



Summary

A variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API Standard 53 states, that for pad drilling operations, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

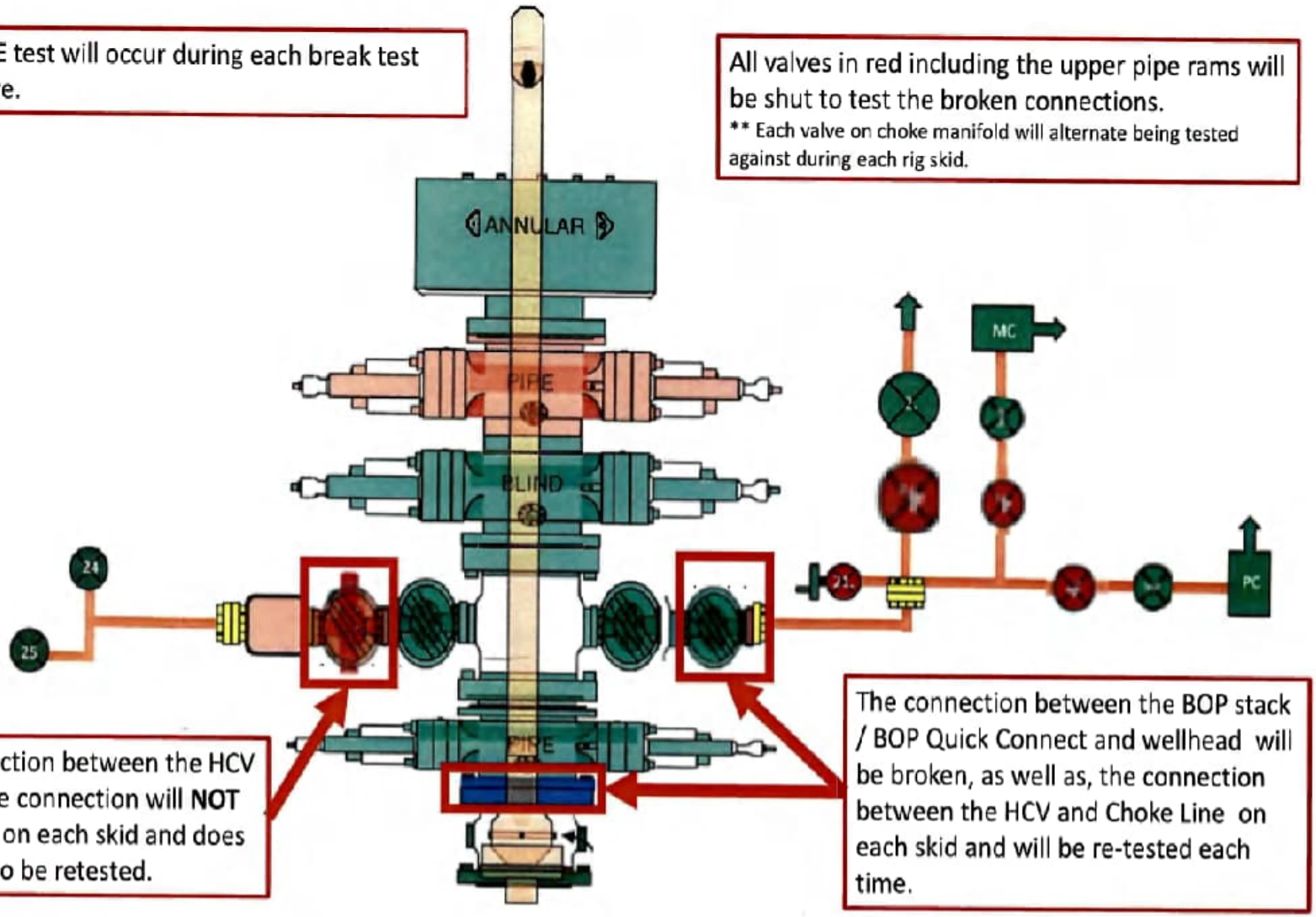
The BOP will be secured by a hydraulic carrier or cradle. The BLM will be contacted if a Well Control
event occurs prior to the commencement of a BOPE Break Testing operation.

Based on public data and the supporting documentation submitted herein to the BLM, we will request permission to ONLY retest broken pressure seals if the following conditions are met:

1) After a full BOP test is conducted on the first well on the pad.
2) The first intermediate hole section drilled on the pad will be the deepest. All the remaining hole sections will be the same depth or shallower.
3) A full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
4) A full BOP test will be required prior to drilling the production hole.

Only **ONE** test will occur during each break test procedure.

All valves in red including the upper pipe rams will be shut to test the broken connections.
** Each valve on choke manifold will alternate being tested against during each rig skid.



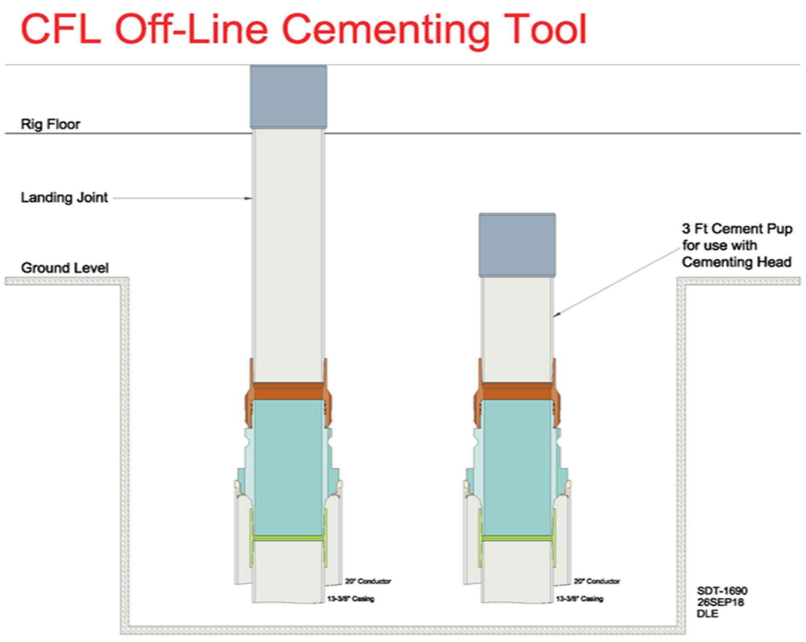
The connection between the HCV and kill line connection will **NOT** be broken on each skid and does not need to be retested.

The connection between the BOP stack / BOP Quick Connect and wellhead will be broken, as well as, the connection between the HCV and Choke Line on each skid and will be re-tested each time.

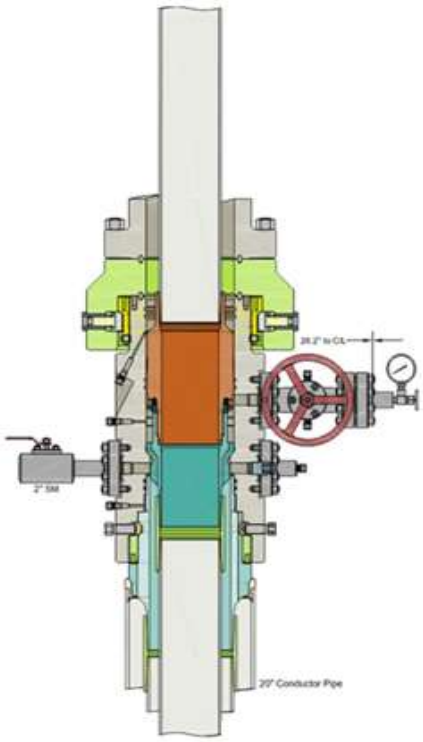
Permian Resources Offline Cementing Procedure
Surface & Intermediate Casing

1. Drill hole to Total Depth with Rig and perform wellbore cleanup cycles.
2. Run and casing to Depth.
3. Land casing with mandrel.
4. Circulate 1.5 csg capacity.
5. Flow test – Confirm well is static and floats are holding.
6. Set Annular packoff and pressure test. Test to 5k.
7. Nipple down BOP and install cap flange.
8. Skid rig to next well on pad
9. Remove cap flange (confirm well is static before removal)
    a) If well is not static use the casing outlet valves to kill well
    b) Drillers method will be used in well control event
    c) High pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
    d) Kill mud will be circulated once influx is circulated out of hole
    e) Confirm well is static and remove cap flange to start offline cement operations
10. Install offline cement tool.
11. Rig up cementers.
12. Circulate bottoms up with cement truck
13. Commence planned cement job, take returns through the annulus wellhead valve
14. After plug is bumped confirm floats hold and well is static
15. Rig down cementers and equipment
16. Install night cap with pressure gauge to monitor.

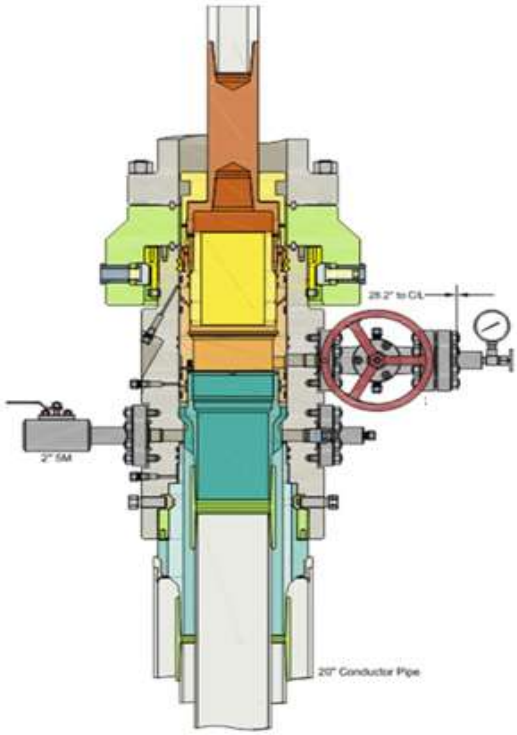
13 3/8" Surface



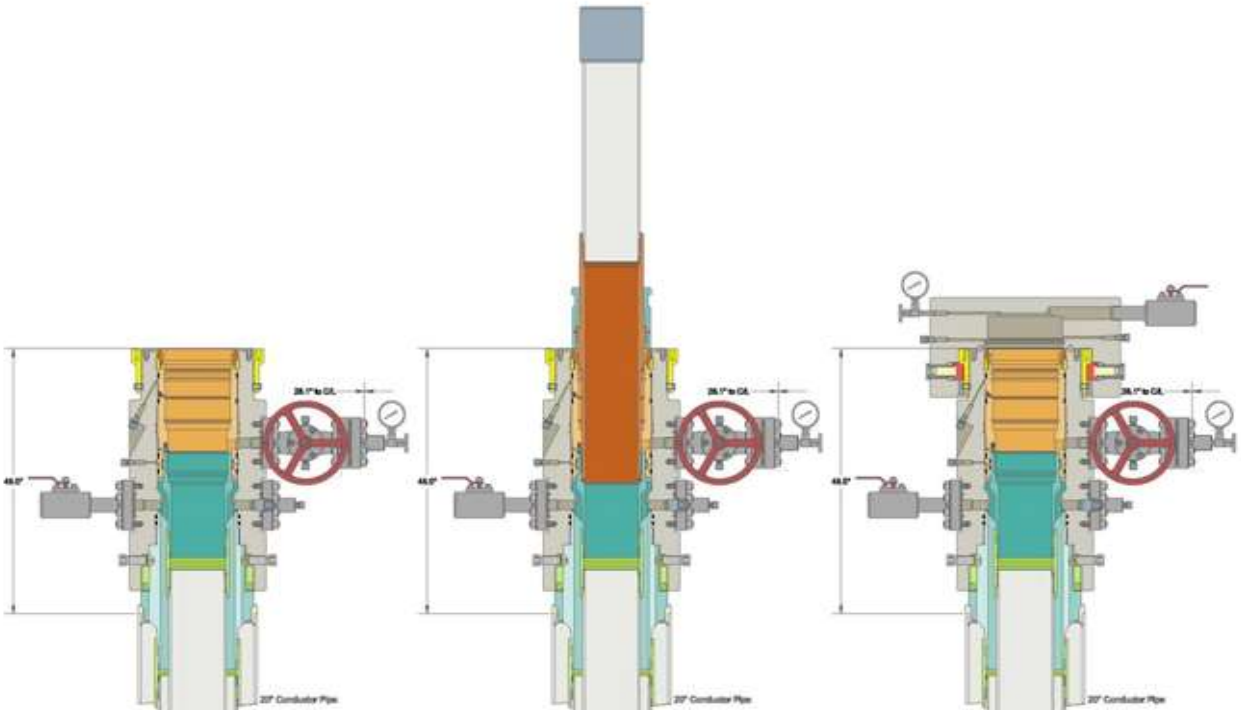
Intermediate



Run 7 5/8" Casing
Land Casing on 7 5/8" Mandrel Hanger
Cement 7 5/8" Casing
Retrieve Running Tool



Run 9 5/8" Packoff
Test Upper and Lower Seals
Engage Lockring
Retrieve Running Tool

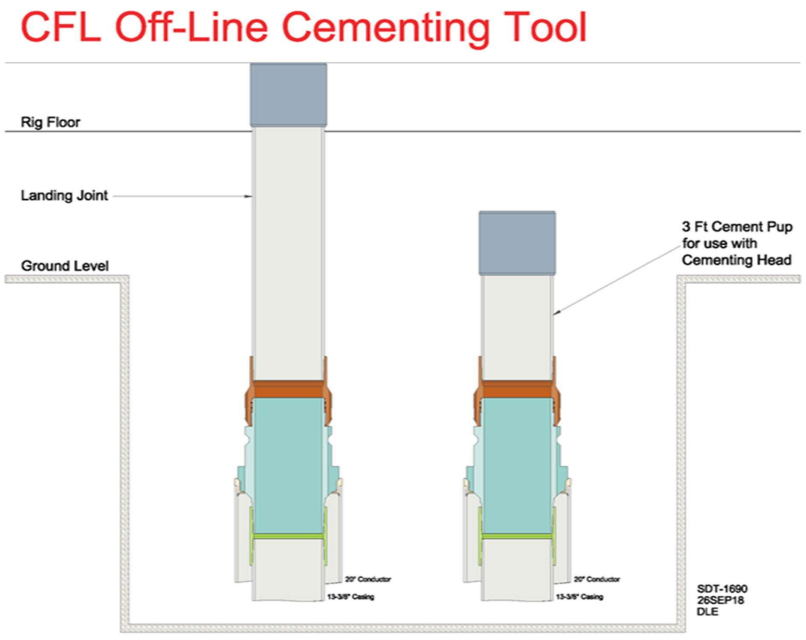




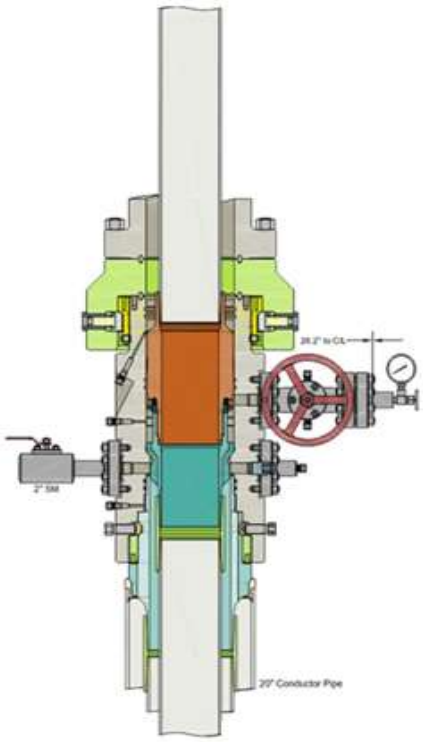
Permian Resources Offline Cementing Procedure
Surface & Intermediate Casing

1. Drill hole to Total Depth with Rig and perform wellbore cleanup cycles.
2. Run and casing to Depth.
3. Land casing with mandrel.
4. Circulate 1.5 csg capacity.
5. Flow test – Confirm well is static and floats are holding.
6. Set Annular packoff and pressure test. Test to 5k.
7. Nipple down BOP and install cap flange.
8. Skid rig to next well on pad
9. Remove cap flange (confirm well is static before removal)
    a) If well is not static use the casing outlet valves to kill well
    b) Drillers method will be used in well control event
    c) High pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
    d) Kill mud will be circulated once influx is circulated out of hole
    e) Confirm well is static and remove cap flange to start offline cement operations
10. Install offline cement tool.
11. Rig up cementers.
12. Circulate bottoms up with cement truck
13. Commence planned cement job, take returns through the annulus wellhead valve
14. After plug is bumped confirm floats hold and well is static
15. Rig down cementers and equipment
16. Install night cap with pressure gauge to monitor.

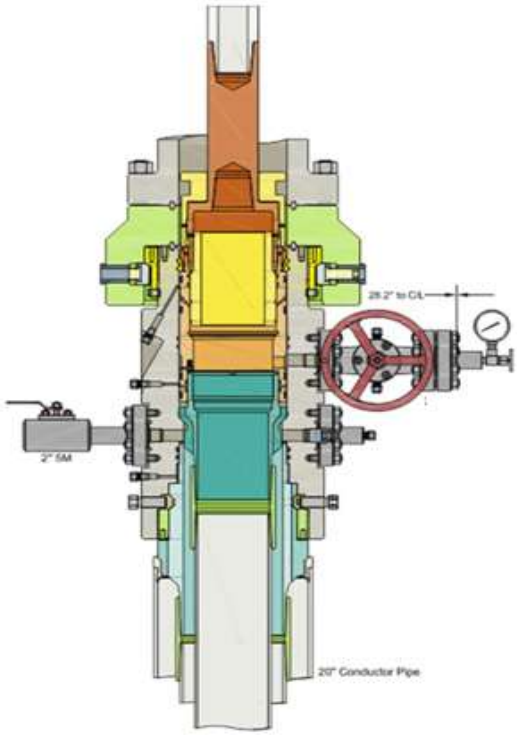
13 3/8" Surface



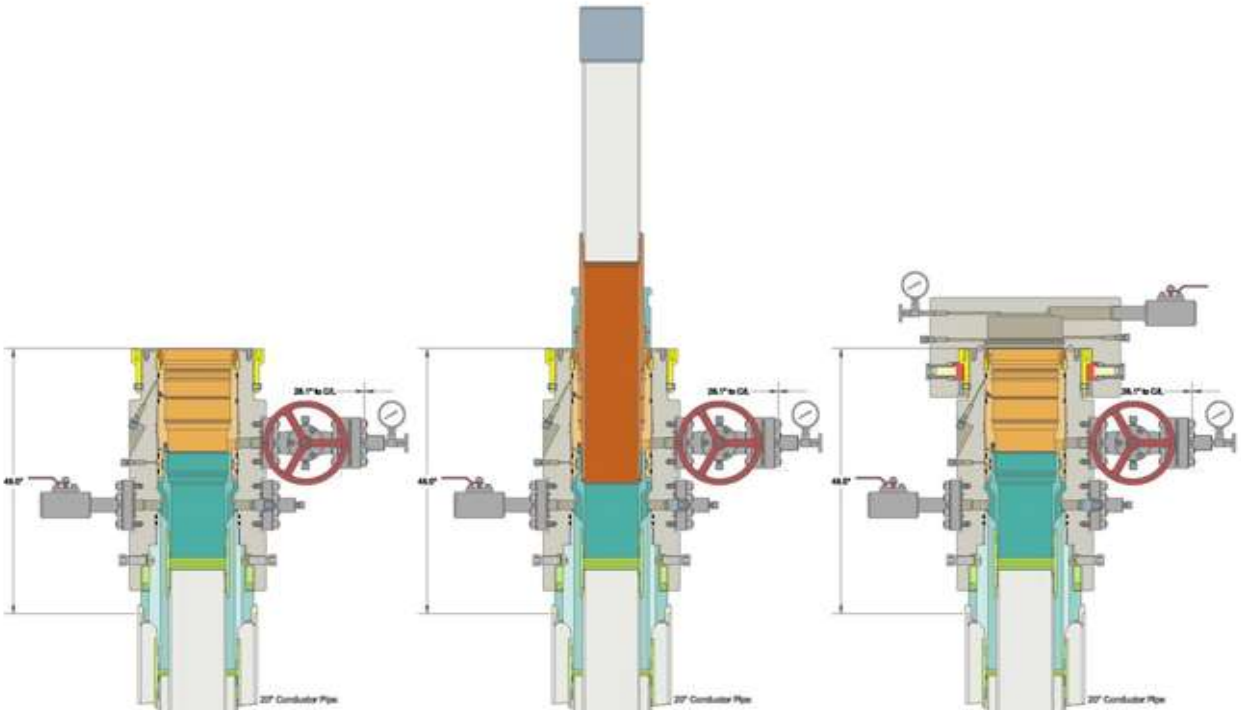
Intermediate



Run 7 5/8" Casing
Land Casing on 7 5/8" Mandrel Hanger
Cement 7 5/8" Casing
Retrieve Running Tool



Run 9 5/8" Packoff
Test Upper and Lower Seals
Engage Lockring
Retrieve Running Tool





NEW MEXICO

(SP) LEA
EL CAMPEON FED COM PROJECT
EL CAMPEON FED COM 122H

OWB

Plan: PWP0

Standard Planning Report - Geographic

03 April, 2025

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3205.0usft
Project:	(SP) LEA	**MD Reference:**	KB @ 3205.0usft
Site:	EL CAMPEON FED COM PROJECT	**North Reference:**	Grid
Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project (SP) LEA

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

Site EL CAMPEON FED COM PROJECT

Site Position:		**Northing:**	371,005.08 usft	**Latitude:**	32° 0' 59.423 N
From:	Map	**Easting:**	831,976.77 usft	**Longitude:**	103° 23' 44.166 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well EL CAMPEON FED COM 122H

Well Position	**+N/-S**	0.0 usft	**Northing:**	373,194.76 usft	**Latitude:**	32° 1' 20.976 N
	+E/-W	0.0 usft	**Easting:**	833,303.18 usft	**Longitude:**	103° 23' 28.539 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,175.0 usft
Grid Convergence:		0.50 °				

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.65	60.09	48,693.25394692

Design PWP0

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	183.41

Plan Survey Tool Program **Date** 4/3/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	21,804.0	PWP0 (OWB)	MWD OWSG_Rev2_ MWD - Star	

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3205.0usft
Project:	(SP) LEA	**MD Reference:**	KB @ 3205.0usft
Site:	EL CAMPEON FED COM PROJECT	**North Reference:**	Grid
Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	10.00	270.00	2,497.5	0.0	-43.5	2.00	2.00	0.00	270.00	
4,397.7	10.00	270.00	4,366.3	0.0	-373.0	0.00	0.00	0.00	0.00	
4,897.7	0.00	0.00	4,863.8	0.0	-416.6	2.00	-2.00	0.00	180.00	
10,856.4	0.00	0.00	10,822.5	0.0	-416.6	0.00	0.00	0.00	0.00	
11,606.4	90.00	179.49	11,300.0	-477.4	-412.3	12.00	12.00	23.93	179.49	
14,127.1	90.00	179.49	11,300.0	-2,998.0	-389.6	0.00	0.00	0.00	0.00	PP3-EL CAMP 122I
14,533.2	90.00	187.61	11,300.0	-3,403.0	-414.7	2.00	0.00	2.00	89.99	
16,381.0	90.00	187.61	11,300.0	-5,234.6	-659.4	0.00	0.00	0.00	0.00	
16,790.2	90.00	179.42	11,300.0	-5,642.6	-684.4	2.00	0.00	-2.00	-90.00	PP4-EL CAMP 122I
21,804.0	90.00	179.42	11,300.0	-10,656.2	-634.1	0.00	0.00	0.00	0.00	BHL-EL CAMP 122

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3205.0usft
Project:	(SP) LEA	**MD Reference:**	KB @ 3205.0usft
Site:	EL CAMPEON FED COM PROJECT	**North Reference:**	Grid
Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
100.0	0.00	0.00	100.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
200.0	0.00	0.00	200.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
300.0	0.00	0.00	300.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
400.0	0.00	0.00	400.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
500.0	0.00	0.00	500.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
600.0	0.00	0.00	600.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
700.0	0.00	0.00	700.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
800.0	0.00	0.00	800.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
900.0	0.00	0.00	900.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	373,194.76	833,303.18	32° 1' 20.976 N	103° 23' 28.539 W
Start Build 2.00									
2,100.0	2.00	270.00	2,100.0	0.0	-1.7	373,194.76	833,301.43	32° 1' 20.976 N	103° 23' 28.560 W
2,200.0	4.00	270.00	2,199.8	0.0	-7.0	373,194.76	833,296.20	32° 1' 20.977 N	103° 23' 28.621 W
2,300.0	6.00	270.00	2,299.5	0.0	-15.7	373,194.76	833,287.49	32° 1' 20.978 N	103° 23' 28.722 W
2,400.0	8.00	270.00	2,398.7	0.0	-27.9	373,194.76	833,275.30	32° 1' 20.979 N	103° 23' 28.863 W
2,500.0	10.00	270.00	2,497.5	0.0	-43.5	373,194.76	833,259.66	32° 1' 20.980 N	103° 23' 29.045 W
Start 1897.7 hold at 2500.0 MD									
2,600.0	10.00	270.00	2,595.9	0.0	-60.9	373,194.76	833,242.29	32° 1' 20.982 N	103° 23' 29.247 W
2,700.0	10.00	270.00	2,694.4	0.0	-78.3	373,194.76	833,224.93	32° 1' 20.983 N	103° 23' 29.448 W
2,800.0	10.00	270.00	2,792.9	0.0	-95.6	373,194.76	833,207.56	32° 1' 20.985 N	103° 23' 29.650 W
2,900.0	10.00	270.00	2,891.4	0.0	-113.0	373,194.76	833,190.20	32° 1' 20.986 N	103° 23' 29.852 W
3,000.0	10.00	270.00	2,989.9	0.0	-130.3	373,194.76	833,172.83	32° 1' 20.988 N	103° 23' 30.053 W
3,100.0	10.00	270.00	3,088.3	0.0	-147.7	373,194.76	833,155.47	32° 1' 20.989 N	103° 23' 30.255 W
3,200.0	10.00	270.00	3,186.8	0.0	-165.1	373,194.76	833,138.10	32° 1' 20.991 N	103° 23' 30.457 W
3,300.0	10.00	270.00	3,285.3	0.0	-182.4	373,194.76	833,120.74	32° 1' 20.992 N	103° 23' 30.658 W
3,400.0	10.00	270.00	3,383.8	0.0	-199.8	373,194.76	833,103.37	32° 1' 20.994 N	103° 23' 30.860 W
3,500.0	10.00	270.00	3,482.3	0.0	-217.2	373,194.76	833,086.01	32° 1' 20.995 N	103° 23' 31.062 W
3,600.0	10.00	270.00	3,580.8	0.0	-234.5	373,194.76	833,068.64	32° 1' 20.997 N	103° 23' 31.263 W
3,700.0	10.00	270.00	3,679.2	0.0	-251.9	373,194.76	833,051.28	32° 1' 20.998 N	103° 23' 31.465 W
3,800.0	10.00	270.00	3,777.7	0.0	-269.3	373,194.76	833,033.91	32° 1' 21.000 N	103° 23' 31.667 W
3,900.0	10.00	270.00	3,876.2	0.0	-286.6	373,194.76	833,016.55	32° 1' 21.001 N	103° 23' 31.869 W
4,000.0	10.00	270.00	3,974.7	0.0	-304.0	373,194.76	832,999.18	32° 1' 21.002 N	103° 23' 32.070 W
4,100.0	10.00	270.00	4,073.2	0.0	-321.4	373,194.76	832,981.82	32° 1' 21.004 N	103° 23' 32.272 W
4,200.0	10.00	270.00	4,171.6	0.0	-338.7	373,194.76	832,964.45	32° 1' 21.005 N	103° 23' 32.474 W
4,300.0	10.00	270.00	4,270.1	0.0	-356.1	373,194.76	832,947.09	32° 1' 21.007 N	103° 23' 32.675 W
4,397.7	10.00	270.00	4,366.3	0.0	-373.0	373,194.76	832,930.13	32° 1' 21.008 N	103° 23' 32.872 W
Start Drop -2.00									
4,400.0	9.95	270.00	4,368.6	0.0	-373.5	373,194.76	832,929.73	32° 1' 21.008 N	103° 23' 32.877 W
4,500.0	7.95	270.00	4,467.4	0.0	-389.0	373,194.76	832,914.16	32° 1' 21.010 N	103° 23' 33.058 W
4,600.0	5.95	270.00	4,566.6	0.0	-401.1	373,194.76	832,902.06	32° 1' 21.011 N	103° 23' 33.198 W
4,700.0	3.95	270.00	4,666.3	0.0	-409.8	373,194.76	832,893.42	32° 1' 21.012 N	103° 23' 33.299 W
4,800.0	1.95	270.00	4,766.1	0.0	-414.9	373,194.76	832,888.27	32° 1' 21.012 N	103° 23' 33.358 W

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3205.0usft
Project:	(SP) LEA	**MD Reference:**	KB @ 3205.0usft
Site:	EL CAMPEON FED COM PROJECT	**North Reference:**	Grid
Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,897.7	0.00	0.00	4,863.8	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
Start 5958.7 hold at 4897.7 MD									
4,900.0	0.00	0.00	4,866.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,000.0	0.00	0.00	4,966.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,100.0	0.00	0.00	5,066.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,200.0	0.00	0.00	5,166.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,300.0	0.00	0.00	5,266.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,400.0	0.00	0.00	5,366.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,500.0	0.00	0.00	5,466.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,600.0	0.00	0.00	5,566.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,700.0	0.00	0.00	5,666.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,800.0	0.00	0.00	5,766.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
5,900.0	0.00	0.00	5,866.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,000.0	0.00	0.00	5,966.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,100.0	0.00	0.00	6,066.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,200.0	0.00	0.00	6,166.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,300.0	0.00	0.00	6,266.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,400.0	0.00	0.00	6,366.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,500.0	0.00	0.00	6,466.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,600.0	0.00	0.00	6,566.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,700.0	0.00	0.00	6,666.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,800.0	0.00	0.00	6,766.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
6,900.0	0.00	0.00	6,866.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,000.0	0.00	0.00	6,966.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,100.0	0.00	0.00	7,066.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,200.0	0.00	0.00	7,166.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,300.0	0.00	0.00	7,266.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,400.0	0.00	0.00	7,366.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,500.0	0.00	0.00	7,466.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,600.0	0.00	0.00	7,566.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,700.0	0.00	0.00	7,666.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,800.0	0.00	0.00	7,766.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
7,900.0	0.00	0.00	7,866.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,000.0	0.00	0.00	7,966.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,100.0	0.00	0.00	8,066.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,200.0	0.00	0.00	8,166.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,300.0	0.00	0.00	8,266.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,400.0	0.00	0.00	8,366.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,500.0	0.00	0.00	8,466.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,600.0	0.00	0.00	8,566.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,700.0	0.00	0.00	8,666.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,800.0	0.00	0.00	8,766.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
8,900.0	0.00	0.00	8,866.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,000.0	0.00	0.00	8,966.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,100.0	0.00	0.00	9,066.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,200.0	0.00	0.00	9,166.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,300.0	0.00	0.00	9,266.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,400.0	0.00	0.00	9,366.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,500.0	0.00	0.00	9,466.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,600.0	0.00	0.00	9,566.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,700.0	0.00	0.00	9,666.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,800.0	0.00	0.00	9,766.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
9,900.0	0.00	0.00	9,866.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
10,000.0	0.00	0.00	9,966.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3205.0usft
Project:	(SP) LEA	**MD Reference:**	KB @ 3205.0usft
Site:	EL CAMPEON FED COM PROJECT	**North Reference:**	Grid
Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,100.0	0.00	0.00	10,066.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
10,200.0	0.00	0.00	10,166.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
10,300.0	0.00	0.00	10,266.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
10,400.0	0.00	0.00	10,366.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
10,500.0	0.00	0.00	10,466.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
10,600.0	0.00	0.00	10,566.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
10,700.0	0.00	0.00	10,666.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
10,800.0	0.00	0.00	10,766.1	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
10,856.4	0.00	0.00	10,822.5	0.0	-416.6	373,194.76	832,886.61	32° 1' 21.012 N	103° 23' 33.378 W
Start DLS 12.00 TFO 179.49									
10,875.0	2.23	179.49	10,841.1	-0.4	-416.6	373,194.40	832,886.61	32° 1' 21.009 N	103° 23' 33.378 W
10,900.0	5.23	179.49	10,866.0	-2.0	-416.6	373,192.77	832,886.63	32° 1' 20.993 N	103° 23' 33.378 W
10,925.0	8.23	179.49	10,890.9	-4.9	-416.5	373,189.84	832,886.65	32° 1' 20.964 N	103° 23' 33.378 W
10,950.0	11.23	179.49	10,915.5	-9.1	-416.5	373,185.61	832,886.69	32° 1' 20.922 N	103° 23' 33.378 W
10,975.0	14.23	179.49	10,939.9	-14.7	-416.4	373,180.10	832,886.74	32° 1' 20.867 N	103° 23' 33.378 W
11,000.0	17.23	179.49	10,963.9	-21.4	-416.4	373,173.33	832,886.80	32° 1' 20.800 N	103° 23' 33.378 W
11,025.0	20.23	179.49	10,987.6	-29.5	-416.3	373,165.30	832,886.87	32° 1' 20.721 N	103° 23' 33.378 W
11,050.0	23.23	179.49	11,010.8	-38.7	-416.2	373,156.04	832,886.96	32° 1' 20.629 N	103° 23' 33.378 W
11,075.0	26.23	179.49	11,033.5	-49.2	-416.1	373,145.59	832,887.05	32° 1' 20.526 N	103° 23' 33.378 W
11,100.0	29.23	179.49	11,055.7	-60.8	-416.0	373,133.95	832,887.15	32° 1' 20.411 N	103° 23' 33.378 W
11,125.0	32.23	179.49	11,077.2	-73.6	-415.9	373,121.18	832,887.27	32° 1' 20.284 N	103° 23' 33.378 W
11,150.0	35.23	179.49	11,097.9	-87.5	-415.8	373,107.30	832,887.39	32° 1' 20.147 N	103° 23' 33.377 W
11,175.0	38.23	179.49	11,118.0	-102.4	-415.7	373,092.35	832,887.53	32° 1' 19.999 N	103° 23' 33.377 W
11,200.0	41.23	179.49	11,137.2	-118.4	-415.5	373,076.37	832,887.67	32° 1' 19.841 N	103° 23' 33.377 W
11,225.0	44.23	179.49	11,155.6	-135.3	-415.4	373,059.41	832,887.82	32° 1' 19.673 N	103° 23' 33.377 W
11,250.0	47.23	179.49	11,173.0	-153.2	-415.2	373,041.51	832,887.99	32° 1' 19.496 N	103° 23' 33.377 W
11,275.0	50.23	179.49	11,189.5	-172.0	-415.0	373,022.72	832,888.15	32° 1' 19.310 N	103° 23' 33.377 W
11,300.0	53.23	179.49	11,205.0	-191.7	-414.8	373,003.10	832,888.33	32° 1' 19.116 N	103° 23' 33.377 W
11,325.0	56.23	179.49	11,219.4	-212.1	-414.7	372,982.69	832,888.51	32° 1' 18.914 N	103° 23' 33.377 W
11,350.0	59.23	179.49	11,232.8	-233.2	-414.5	372,961.56	832,888.70	32° 1' 18.704 N	103° 23' 33.377 W
11,375.0	62.23	179.49	11,245.0	-255.0	-414.3	372,939.75	832,888.90	32° 1' 18.489 N	103° 23' 33.377 W
11,400.0	65.23	179.49	11,256.0	-277.4	-414.1	372,917.34	832,889.10	32° 1' 18.267 N	103° 23' 33.377 W
11,425.0	68.23	179.49	11,265.9	-300.4	-413.9	372,894.37	832,889.31	32° 1' 18.040 N	103° 23' 33.377 W
11,450.0	71.23	179.49	11,274.6	-323.8	-413.7	372,870.92	832,889.52	32° 1' 17.808 N	103° 23' 33.377 W
11,475.0	74.23	179.49	11,282.0	-347.7	-413.4	372,847.05	832,889.73	32° 1' 17.571 N	103° 23' 33.377 W
11,483.0	75.19	179.49	11,284.1	-355.4	-413.4	372,839.36	832,889.80	32° 1' 17.495 N	103° 23' 33.377 W
NMNM 125400 Entry at 11483.0 MD									
11,500.0	77.23	179.49	11,288.2	-371.9	-413.2	372,822.83	832,889.95	32° 1' 17.332 N	103° 23' 33.377 W
11,525.0	80.23	179.49	11,293.0	-396.4	-413.0	372,798.31	832,890.17	32° 1' 17.089 N	103° 23' 33.376 W
11,550.0	83.23	179.49	11,296.6	-421.2	-412.8	372,773.58	832,890.39	32° 1' 16.844 N	103° 23' 33.376 W
11,575.0	86.23	179.49	11,298.9	-446.1	-412.6	372,748.69	832,890.62	32° 1' 16.598 N	103° 23' 33.376 W
11,600.0	89.23	179.49	11,299.9	-471.0	-412.3	372,723.71	832,890.84	32° 1' 16.351 N	103° 23' 33.376 W
11,606.4	90.00	179.49	11,300.0	-477.4	-412.3	372,717.32	832,890.90	32° 1' 16.288 N	103° 23' 33.376 W
Start 2520.7 hold at 11606.4 MD									
11,700.0	90.00	179.49	11,300.0	-571.0	-411.4	372,623.72	832,891.74	32° 1' 15.361 N	103° 23' 33.376 W
11,800.0	90.00	179.49	11,300.0	-671.0	-410.5	372,523.72	832,892.64	32° 1' 14.372 N	103° 23' 33.376 W
11,900.0	90.00	179.49	11,300.0	-771.0	-409.6	372,423.72	832,893.53	32° 1' 13.382 N	103° 23' 33.375 W
12,000.0	90.00	179.49	11,300.0	-871.0	-408.7	372,323.73	832,894.43	32° 1' 12.393 N	103° 23' 33.375 W
12,100.0	90.00	179.49	11,300.0	-971.0	-407.8	372,223.73	832,895.33	32° 1' 11.403 N	103° 23' 33.375 W
12,200.0	90.00	179.49	11,300.0	-1,071.0	-406.9	372,123.74	832,896.23	32° 1' 10.414 N	103° 23' 33.374 W
12,300.0	90.00	179.49	11,300.0	-1,171.0	-406.1	372,023.74	832,897.13	32° 1' 9.424 N	103° 23' 33.374 W
12,400.0	90.00	179.49	11,300.0	-1,271.0	-405.2	371,923.74	832,898.03	32° 1' 8.434 N	103° 23' 33.374 W
12,500.0	90.00	179.49	11,300.0	-1,371.0	-404.3	371,823.75	832,898.92	32° 1' 7.445 N	103° 23' 33.373 W
12,600.0	90.00	179.49	11,300.0	-1,471.0	-403.4	371,723.75	832,899.82	32° 1' 6.455 N	103° 23' 33.373 W

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3205.0usft
Project:	(SP) LEA	**MD Reference:**	KB @ 3205.0usft
Site:	EL CAMPEON FED COM PROJECT	**North Reference:**	Grid
Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
12,700.0	90.00	179.49	11,300.0	-1,571.0	-402.5	371,623.76	832,900.72	32° 1' 5.466 N	103° 23' 33.373 W
12,800.0	90.00	179.49	11,300.0	-1,671.0	-401.6	371,523.76	832,901.62	32° 1' 4.476 N	103° 23' 33.372 W
12,806.0	90.00	179.49	11,300.0	-1,677.0	-401.5	371,517.79	832,901.67	32° 1' 4.417 N	103° 23' 33.372 W
FEE Entry at 12806.0 MD									
12,900.0	90.00	179.49	11,300.0	-1,771.0	-400.7	371,423.76	832,902.52	32° 1' 3.487 N	103° 23' 33.372 W
13,000.0	90.00	179.49	11,300.0	-1,871.0	-399.8	371,323.77	832,903.42	32° 1' 2.497 N	103° 23' 33.372 W
13,100.0	90.00	179.49	11,300.0	-1,971.0	-398.9	371,223.77	832,904.31	32° 1' 1.508 N	103° 23' 33.371 W
13,200.0	90.00	179.49	11,300.0	-2,071.0	-398.0	371,123.78	832,905.21	32° 1' 0.518 N	103° 23' 33.371 W
13,300.0	90.00	179.49	11,300.0	-2,171.0	-397.1	371,023.78	832,906.11	32° 0' 59.529 N	103° 23' 33.371 W
13,400.0	90.00	179.49	11,300.0	-2,271.0	-396.2	370,923.78	832,907.01	32° 0' 58.539 N	103° 23' 33.370 W
13,500.0	90.00	179.49	11,300.0	-2,371.0	-395.3	370,823.79	832,907.91	32° 0' 57.550 N	103° 23' 33.370 W
13,600.0	90.00	179.49	11,300.0	-2,471.0	-394.4	370,723.79	832,908.80	32° 0' 56.560 N	103° 23' 33.370 W
13,700.0	90.00	179.49	11,300.0	-2,571.0	-393.5	370,623.80	832,909.70	32° 0' 55.570 N	103° 23' 33.369 W
13,800.0	90.00	179.49	11,300.0	-2,671.0	-392.6	370,523.80	832,910.60	32° 0' 54.581 N	103° 23' 33.369 W
13,900.0	90.00	179.49	11,300.0	-2,771.0	-391.7	370,423.80	832,911.50	32° 0' 53.591 N	103° 23' 33.369 W
14,000.0	90.00	179.49	11,300.0	-2,871.0	-390.8	370,323.81	832,912.40	32° 0' 52.602 N	103° 23' 33.369 W
14,100.0	90.00	179.49	11,300.0	-2,970.9	-389.9	370,223.81	832,913.30	32° 0' 51.612 N	103° 23' 33.368 W
14,127.1	90.00	179.49	11,300.0	-2,998.0	-389.6	370,196.76	832,913.54	32° 0' 51.345 N	103° 23' 33.368 W
Start DLS 2.00 TFO 89.99									
14,128.0	90.00	179.50	11,300.0	-2,998.9	-389.6	370,195.84	832,913.55	32° 0' 51.335 N	103° 23' 33.368 W
FEE Exit at 14128.0 MD									
14,200.0	90.00	180.94	11,300.0	-3,070.9	-389.9	370,123.82	832,913.27	32° 0' 50.623 N	103° 23' 33.379 W
14,300.0	90.00	182.94	11,300.0	-3,170.9	-393.3	370,023.88	832,909.87	32° 0' 49.634 N	103° 23' 33.428 W
14,400.0	90.00	184.94	11,300.0	-3,270.6	-400.2	369,924.12	832,902.99	32° 0' 48.648 N	103° 23' 33.518 W
14,500.0	90.00	186.94	11,300.0	-3,370.1	-410.5	369,824.66	832,892.64	32° 0' 47.664 N	103° 23' 33.648 W
14,533.2	90.00	187.61	11,300.0	-3,403.0	-414.7	369,791.77	832,888.44	32° 0' 47.339 N	103° 23' 33.701 W
Start 1847.9 hold at 14533.2 MD									
14,600.0	90.00	187.61	11,300.0	-3,469.2	-423.6	369,725.52	832,879.59	32° 0' 46.685 N	103° 23' 33.810 W
14,700.0	90.00	187.61	11,300.0	-3,568.4	-436.8	369,626.40	832,866.35	32° 0' 45.705 N	103° 23' 33.974 W
14,800.0	90.00	187.61	11,300.0	-3,667.5	-450.1	369,527.28	832,853.11	32° 0' 44.725 N	103° 23' 34.138 W
14,900.0	90.00	187.61	11,300.0	-3,766.6	-463.3	369,428.16	832,839.87	32° 0' 43.746 N	103° 23' 34.301 W
15,000.0	90.00	187.61	11,300.0	-3,865.7	-476.5	369,329.04	832,826.64	32° 0' 42.766 N	103° 23' 34.465 W
15,100.0	90.00	187.61	11,300.0	-3,964.8	-489.8	369,229.92	832,813.40	32° 0' 41.786 N	103° 23' 34.629 W
15,200.0	90.00	187.61	11,300.0	-4,064.0	-503.0	369,130.80	832,800.16	32° 0' 40.807 N	103° 23' 34.793 W
15,300.0	90.00	187.61	11,300.0	-4,163.1	-516.3	369,031.68	832,786.92	32° 0' 39.827 N	103° 23' 34.956 W
15,400.0	90.00	187.61	11,300.0	-4,262.2	-529.5	368,932.56	832,773.68	32° 0' 38.847 N	103° 23' 35.120 W
15,500.0	90.00	187.61	11,300.0	-4,361.3	-542.7	368,833.44	832,760.44	32° 0' 37.868 N	103° 23' 35.284 W
15,600.0	90.00	187.61	11,300.0	-4,460.4	-556.0	368,734.32	832,747.20	32° 0' 36.888 N	103° 23' 35.448 W
15,700.0	90.00	187.61	11,300.0	-4,559.6	-569.2	368,635.20	832,733.97	32° 0' 35.908 N	103° 23' 35.611 W
15,800.0	90.00	187.61	11,300.0	-4,658.7	-582.5	368,536.08	832,720.73	32° 0' 34.929 N	103° 23' 35.775 W
15,900.0	90.00	187.61	11,300.0	-4,757.8	-595.7	368,436.96	832,707.49	32° 0' 33.949 N	103° 23' 35.939 W
16,000.0	90.00	187.61	11,300.0	-4,856.9	-608.9	368,337.84	832,694.25	32° 0' 32.969 N	103° 23' 36.103 W
16,100.0	90.00	187.61	11,300.0	-4,956.0	-622.2	368,238.72	832,681.01	32° 0' 31.990 N	103° 23' 36.266 W
16,200.0	90.00	187.61	11,300.0	-5,055.2	-635.4	368,139.60	832,667.77	32° 0' 31.010 N	103° 23' 36.430 W
16,300.0	90.00	187.61	11,300.0	-5,154.3	-648.6	368,040.48	832,654.53	32° 0' 30.030 N	103° 23' 36.594 W
16,381.0	90.00	187.61	11,300.0	-5,234.6	-659.4	367,960.18	832,643.81	32° 0' 29.237 N	103° 23' 36.727 W
Start DLS 2.00 TFO -90.00									
16,400.0	90.00	187.23	11,300.0	-5,253.4	-661.8	367,941.35	832,641.36	32° 0' 29.051 N	103° 23' 36.757 W
16,500.0	90.00	185.23	11,300.0	-5,352.8	-672.7	367,841.95	832,630.51	32° 0' 28.068 N	103° 23' 36.893 W
16,600.0	90.00	183.23	11,300.0	-5,452.5	-680.0	367,742.23	832,623.14	32° 0' 27.082 N	103° 23' 36.989 W
16,700.0	90.00	181.23	11,300.0	-5,552.5	-683.9	367,642.31	832,619.25	32° 0' 26.093 N	103° 23' 37.044 W
16,790.2	90.00	179.42	11,300.0	-5,642.6	-684.4	367,552.14	832,618.74	32° 0' 25.201 N	103° 23' 37.059 W
Start 5013.9 hold at 16790.2 MD									

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3205.0usft
Project:	(SP) LEA	**MD Reference:**	KB @ 3205.0usft
Site:	EL CAMPEON FED COM PROJECT	**North Reference:**	Grid
Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,791.0	90.00	179.42	11,300.0	-5,643.4	-684.4	367,551.35	832,618.75	32° 0' 25.193 N	103° 23' 37.059 W
NMNM 125400 Exit at 16791.0 MD									
16,800.0	90.00	179.42	11,300.0	-5,652.4	-684.3	367,542.31	832,618.84	32° 0' 25.104 N	103° 23' 37.059 W
16,900.0	90.00	179.42	11,300.0	-5,752.4	-683.3	367,442.32	832,619.84	32° 0' 24.114 N	103° 23' 37.057 W
17,000.0	90.00	179.42	11,300.0	-5,852.4	-682.3	367,342.32	832,620.85	32° 0' 23.125 N	103° 23' 37.056 W
17,100.0	90.00	179.42	11,300.0	-5,952.4	-681.3	367,242.33	832,621.85	32° 0' 22.135 N	103° 23' 37.054 W
17,200.0	90.00	179.42	11,300.0	-6,052.4	-680.3	367,142.33	832,622.86	32° 0' 21.146 N	103° 23' 37.052 W
17,300.0	90.00	179.42	11,300.0	-6,152.4	-679.3	367,042.34	832,623.86	32° 0' 20.156 N	103° 23' 37.051 W
17,400.0	90.00	179.42	11,300.0	-6,252.4	-678.3	366,942.34	832,624.87	32° 0' 19.167 N	103° 23' 37.049 W
17,500.0	90.00	179.42	11,300.0	-6,352.4	-677.3	366,842.35	832,625.87	32° 0' 18.177 N	103° 23' 37.048 W
17,600.0	90.00	179.42	11,300.0	-6,452.4	-676.3	366,742.35	832,626.87	32° 0' 17.188 N	103° 23' 37.046 W
17,700.0	90.00	179.42	11,300.0	-6,552.4	-675.3	366,642.36	832,627.88	32° 0' 16.198 N	103° 23' 37.045 W
17,800.0	90.00	179.42	11,300.0	-6,652.4	-674.3	366,542.36	832,628.88	32° 0' 15.209 N	103° 23' 37.043 W
17,900.0	90.00	179.42	11,300.0	-6,752.4	-673.3	366,442.37	832,629.89	32° 0' 14.219 N	103° 23' 37.041 W
18,000.0	90.00	179.42	11,300.0	-6,852.4	-672.3	366,342.37	832,630.89	32° 0' 13.229 N	103° 23' 37.040 W
18,100.0	90.00	179.42	11,300.0	-6,952.4	-671.3	366,242.38	832,631.90	32° 0' 12.240 N	103° 23' 37.038 W
18,200.0	90.00	179.42	11,300.0	-7,052.4	-670.3	366,142.38	832,632.90	32° 0' 11.250 N	103° 23' 37.037 W
18,300.0	90.00	179.42	11,300.0	-7,152.4	-669.3	366,042.39	832,633.91	32° 0' 10.261 N	103° 23' 37.035 W
18,400.0	90.00	179.42	11,300.0	-7,252.4	-668.3	365,942.39	832,634.91	32° 0' 9.271 N	103° 23' 37.034 W
18,500.0	90.00	179.42	11,300.0	-7,352.4	-667.3	365,842.40	832,635.92	32° 0' 8.282 N	103° 23' 37.032 W
18,600.0	90.00	179.42	11,300.0	-7,452.4	-666.3	365,742.40	832,636.92	32° 0' 7.292 N	103° 23' 37.030 W
18,700.0	90.00	179.42	11,300.0	-7,552.3	-665.3	365,642.41	832,637.93	32° 0' 6.303 N	103° 23' 37.029 W
18,800.0	90.00	179.42	11,300.0	-7,652.3	-664.2	365,542.41	832,638.93	32° 0' 5.313 N	103° 23' 37.027 W
18,900.0	90.00	179.42	11,300.0	-7,752.3	-663.2	365,442.42	832,639.93	32° 0' 4.324 N	103° 23' 37.026 W
19,000.0	90.00	179.42	11,300.0	-7,852.3	-662.2	365,342.42	832,640.94	32° 0' 3.334 N	103° 23' 37.024 W
19,100.0	90.00	179.42	11,300.0	-7,952.3	-661.2	365,242.43	832,641.94	32° 0' 2.344 N	103° 23' 37.023 W
19,200.0	90.00	179.42	11,300.0	-8,052.3	-660.2	365,142.43	832,642.95	32° 0' 1.355 N	103° 23' 37.021 W
19,231.0	90.00	179.42	11,300.0	-8,083.3	-659.9	365,111.47	832,643.26	32° 0' 1.049 N	103° 23' 37.020 W
VB 25630003 Exit at 19231.0 MD									
19,300.0	90.00	179.42	11,300.0	-8,152.3	-659.2	365,042.44	832,643.95	32° 0' 0.365 N	103° 23' 37.019 W
19,400.0	90.00	179.42	11,300.0	-8,252.3	-658.2	364,942.44	832,644.96	31° 59' 59.376 N	103° 23' 37.018 W
19,500.0	90.00	179.42	11,300.0	-8,352.3	-657.2	364,842.45	832,645.96	31° 59' 58.386 N	103° 23' 37.016 W
19,600.0	90.00	179.42	11,300.0	-8,452.3	-656.2	364,742.45	832,646.97	31° 59' 57.397 N	103° 23' 37.015 W
19,700.0	90.00	179.42	11,300.0	-8,552.3	-655.2	364,642.46	832,647.97	31° 59' 56.407 N	103° 23' 37.013 W
19,800.0	90.00	179.42	11,300.0	-8,652.3	-654.2	364,542.46	832,648.98	31° 59' 55.418 N	103° 23' 37.012 W
19,900.0	90.00	179.42	11,300.0	-8,752.3	-653.2	364,442.47	832,649.98	31° 59' 54.428 N	103° 23' 37.010 W
20,000.0	90.00	179.42	11,300.0	-8,852.3	-652.2	364,342.47	832,650.99	31° 59' 53.439 N	103° 23' 37.008 W
20,100.0	90.00	179.42	11,300.0	-8,952.3	-651.2	364,242.48	832,651.99	31° 59' 52.449 N	103° 23' 37.007 W
20,200.0	90.00	179.42	11,300.0	-9,052.3	-650.2	364,142.48	832,652.99	31° 59' 51.459 N	103° 23' 37.005 W
20,300.0	90.00	179.42	11,300.0	-9,152.3	-649.2	364,042.49	832,654.00	31° 59' 50.470 N	103° 23' 37.004 W
20,400.0	90.00	179.42	11,300.0	-9,252.3	-648.2	363,942.49	832,655.00	31° 59' 49.480 N	103° 23' 37.002 W
20,500.0	90.00	179.42	11,300.0	-9,352.3	-647.2	363,842.50	832,656.01	31° 59' 48.491 N	103° 23' 37.001 W
20,600.0	90.00	179.42	11,300.0	-9,452.3	-646.2	363,742.50	832,657.01	31° 59' 47.501 N	103° 23' 36.999 W
20,700.0	90.00	179.42	11,300.0	-9,552.2	-645.2	363,642.51	832,658.02	31° 59' 46.512 N	103° 23' 36.997 W
20,800.0	90.00	179.42	11,300.0	-9,652.2	-644.2	363,542.51	832,659.02	31° 59' 45.522 N	103° 23' 36.996 W
20,900.0	90.00	179.42	11,300.0	-9,752.2	-643.2	363,442.52	832,660.03	31° 59' 44.533 N	103° 23' 36.994 W
21,000.0	90.00	179.42	11,300.0	-9,852.2	-642.1	363,342.52	832,661.03	31° 59' 43.543 N	103° 23' 36.993 W
21,100.0	90.00	179.42	11,300.0	-9,952.2	-641.1	363,242.53	832,662.04	31° 59' 42.554 N	103° 23' 36.991 W
21,200.0	90.00	179.42	11,300.0	-10,052.2	-640.1	363,142.53	832,663.04	31° 59' 41.564 N	103° 23' 36.989 W
21,300.0	90.00	179.42	11,300.0	-10,152.2	-639.1	363,042.54	832,664.05	31° 59' 40.574 N	103° 23' 36.988 W
21,400.0	90.00	179.42	11,300.0	-10,252.2	-638.1	362,942.54	832,665.05	31° 59' 39.585 N	103° 23' 36.986 W
21,500.0	90.00	179.42	11,300.0	-10,352.2	-637.1	362,842.55	832,666.05	31° 59' 38.595 N	103° 23' 36.985 W
21,600.0	90.00	179.42	11,300.0	-10,452.2	-636.1	362,742.55	832,667.06	31° 59' 37.606 N	103° 23' 36.983 W
21,700.0	90.00	179.42	11,300.0	-10,552.2	-635.1	362,642.56	832,668.06	31° 59' 36.616 N	103° 23' 36.982 W

Planning Report - Geographic

Database:	Compass_17	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Company:	NEW MEXICO	**TVD Reference:**	KB @ 3205.0usft
Project:	(SP) LEA	**MD Reference:**	KB @ 3205.0usft
Site:	EL CAMPEON FED COM PROJECT	**North Reference:**	Grid
Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
21,804.0	90.00	179.42	11,300.0	-10,656.2	-634.1	362,538.54	832,669.11	31° 59' 35.587 N	103° 23' 36.980 W
TD at 21804.0									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PP2-EL CAMP 122H - plan misses target center by 2.1usft at 12805.6usft MD (11300.0 TVD, -1676.6 N, -401.5 E) - Point	0.00	0.00	11,300.0	-1,676.6	-403.6	371,518.17	832,899.54	32° 1' 4.421 N	103° 23' 33.397 W
STLC-EL CAMP 122H - plan hits target center - Point	0.00	0.00	11,300.0	-8,082.8	-659.9	365,111.94	832,643.25	32° 0' 1.053 N	103° 23' 37.021 W
BHL-EL CAMP 122H - plan hits target center - Point	0.00	0.00	11,300.0	-10,656.2	-634.1	362,538.54	832,669.11	31° 59' 35.587 N	103° 23' 36.980 W
PP3-EL CAMP 122H - plan hits target center - Point	0.00	0.00	11,300.0	-2,998.0	-389.6	370,196.76	832,913.54	32° 0' 51.345 N	103° 23' 33.368 W
FTP-EL CAMP 122H - plan misses target center by 4.1usft at 11584.1usft MD (11299.4 TVD, -455.2 N, -412.5 E) - Point	0.00	0.00	11,300.0	-455.2	-416.6	372,739.58	832,886.61	32° 1' 16.508 N	103° 23' 33.424 W
PP4-EL CAMP 122H - plan hits target center - Point	0.00	0.00	11,300.0	-5,642.6	-684.4	367,552.14	832,618.74	32° 0' 25.201 N	103° 23' 37.059 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,000.0	2,000.0	0.0	0.0	Start Build 2.00
2,500.0	2,497.5	0.0	-43.5	Start 1897.7 hold at 2500.0 MD
4,397.7	4,366.3	0.0	-373.0	Start Drop -2.00
4,897.7	4,863.8	0.0	-416.6	Start 5958.7 hold at 4897.7 MD
10,856.4	10,822.5	0.0	-416.6	Start DLS 12.00 TFO 179.49
11,483.0	11,284.1	-355.4	-413.4	NMNM 125400 Entry at 11483.0 MD
11,606.4	11,300.0	-477.4	-412.3	Start 2520.7 hold at 11606.4 MD
12,806.0	11,300.0	-1,677.0	-401.5	FEE Entry at 12806.0 MD
14,127.1	11,300.0	-2,998.0	-389.6	Start DLS 2.00 TFO 89.99
14,128.0	11,300.0	-2,998.9	-389.6	FEE Exit at 14128.0 MD
14,533.2	11,300.0	-3,403.0	-414.7	Start 1847.9 hold at 14533.2 MD
16,381.0	11,300.0	-5,234.6	-659.4	Start DLS 2.00 TFO -90.00
16,790.2	11,300.0	-5,642.6	-684.4	Start 5013.9 hold at 16790.2 MD
16,791.0	11,300.0	-5,643.4	-684.4	NMNM 125400 Exit at 16791.0 MD
19,231.0	11,300.0	-8,083.3	-659.9	VB 25630003 Exit at 19231.0 MD
21,804.0	11,300.0	-10,656.2	-634.1	TD at 21804.0

NEW MEXICO

(SP) LEA
EL CAMPEON FED COM PROJECT
EL CAMPEON FED COM 122H

OWB
PWP0

Anticollision Report

03 April, 2025

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Reference PWP0

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 4/3/2025

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	21,804.0	PWP0 (OWB)	MWD	OWSG_Rev2_ MWD - Standard

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
EL CAMPEON FED COM PROJECT						
EL CAMPEON FED COM 112H - OWB - PWP0	2,433.4	2,430.3	27.5	10.5	1.618	CC, ES, SF
EL CAMPEON FED COM 113H - OWB - PWP0						Out of range
EL CAMPEON FED COM 114H - OWB - PWP0						Out of range
EL CAMPEON FED COM 123H - OWB - PWP0						Out of range
EL CAMPEON FED COM 124H - OWB - PWP0						Out of range
EL CAMPEON FED COM 152H - OWB - PWP0	2,000.0	2,000.0	33.0	18.9	2.336	CC, ES, SF
EL CAMPEON FED STATE COM 153H - OWB - PWP0						Out of range
EL CAMPEON FED STATE COM 154H - OWB - PWP0						Out of range

Offset Design: EL CAMPEON FED COM PROJECT - EL CAMPEON FED COM 112H - OWB - PWP0 **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD **Rule Assigned:** **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-91.37	-0.8	-33.0	33.0				
100.0	100.0	100.0	100.0	0.3	0.3	-91.37	-0.8	-33.0	33.0	32.5	0.50	65.754	
200.0	200.0	200.0	200.0	0.6	0.6	-91.37	-0.8	-33.0	33.0	31.8	1.22	27.075	
300.0	300.0	300.0	300.0	1.0	1.0	-91.37	-0.8	-33.0	33.0	31.1	1.94	17.047	
400.0	400.0	400.0	400.0	1.3	1.3	-91.37	-0.8	-33.0	33.0	30.3	2.65	12.440	
500.0	500.0	500.0	500.0	1.7	1.7	-91.37	-0.8	-33.0	33.0	29.6	3.37	9.793	
600.0	600.0	600.0	600.0	2.0	2.0	-91.37	-0.8	-33.0	33.0	28.9	4.09	8.075	
700.0	700.0	700.0	700.0	2.4	2.4	-91.37	-0.8	-33.0	33.0	28.2	4.80	6.870	
800.0	800.0	800.0	800.0	2.8	2.8	-91.37	-0.8	-33.0	33.0	27.5	5.52	5.978	
900.0	900.0	900.0	900.0	3.1	3.1	-91.37	-0.8	-33.0	33.0	26.8	6.24	5.291	
1,000.0	1,000.0	1,000.0	1,000.0	3.5	3.5	-91.37	-0.8	-33.0	33.0	26.0	6.95	4.745	
1,100.0	1,100.0	1,100.0	1,100.0	3.8	3.8	-91.37	-0.8	-33.0	33.0	25.3	7.67	4.302	
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	-91.37	-0.8	-33.0	33.0	24.6	8.39	3.934	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	-91.37	-0.8	-33.0	33.0	23.9	9.11	3.624	
1,400.0	1,400.0	1,400.0	1,400.0	4.9	4.9	-91.37	-0.8	-33.0	33.0	23.2	9.82	3.360	
1,500.0	1,500.0	1,500.0	1,500.0	5.3	5.3	-91.37	-0.8	-33.0	33.0	22.5	10.54	3.131	
1,600.0	1,600.0	1,600.0	1,600.0	5.6	5.6	-91.37	-0.8	-33.0	33.0	21.7	11.26	2.932	
1,700.0	1,700.0	1,700.0	1,700.0	6.0	6.0	-91.37	-0.8	-33.0	33.0	21.0	11.97	2.756	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: EL CAMPEON FED COM PROJECT - EL CAMPEON FED COM 112H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,800.0	1,800.0	1,800.0	1,800.0	6.3	6.3	-91.37	-0.8	-33.0	33.0	20.3	12.69	2.600	
1,900.0	1,900.0	1,900.0	1,900.0	6.7	6.7	-91.37	-0.8	-33.0	33.0	19.6	13.41	2.461	
2,000.0	2,000.0	2,000.0	2,000.0	7.1	7.1	-91.37	-0.8	-33.0	33.0	18.9	14.12	2.336	
2,100.0	2,100.0	2,099.3	2,099.3	7.4	7.4	-3.89	-2.2	-34.0	32.3	17.5	14.81	2.183	
2,200.0	2,199.8	2,198.4	2,198.3	7.8	7.7	-11.99	-6.4	-37.0	30.7	15.3	15.46	1.986	
2,300.0	2,299.5	2,297.7	2,297.2	8.1	8.1	-26.53	-13.0	-41.7	29.2	13.1	16.11	1.813	
2,400.0	2,398.7	2,397.2	2,396.3	8.5	8.4	-46.55	-20.1	-46.8	27.7	10.9	16.78	1.650	
2,433.4	2,431.7	2,430.3	2,429.3	8.6	8.5	-54.67	-22.5	-48.5	27.5	10.5	17.01	1.618	CC, ES, SF
2,500.0	2,497.5	2,496.4	2,495.1	8.8	8.7	-72.50	-27.1	-51.8	28.5	11.0	17.49	1.628	
2,600.0	2,595.9	2,595.4	2,593.7	9.2	9.1	-96.07	-34.2	-56.8	34.5	16.3	18.22	1.892	
2,700.0	2,694.4	2,694.3	2,692.3	9.6	9.4	-111.01	-41.2	-61.8	44.4	25.4	18.94	2.343	
2,800.0	2,792.9	2,793.3	2,790.9	10.0	9.8	-120.15	-48.2	-66.8	56.2	36.5	19.66	2.857	
2,900.0	2,891.4	2,892.3	2,889.5	10.3	10.1	-126.05	-55.2	-71.8	68.9	48.5	20.38	3.380	
3,000.0	2,989.9	2,991.3	2,988.2	10.7	10.5	-130.08	-62.3	-76.9	82.1	61.0	21.10	3.891	
3,100.0	3,088.3	3,090.5	3,087.0	11.1	10.8	-133.11	-69.1	-81.8	95.5	73.7	21.82	4.379	
3,200.0	3,186.8	3,189.9	3,186.3	11.5	11.2	-136.80	-73.8	-85.1	108.8	86.3	22.54	4.829	
3,300.0	3,285.3	3,289.0	3,285.3	12.0	11.5	-141.28	-75.7	-86.5	122.2	99.0	23.24	5.260	
3,400.0	3,383.8	3,387.5	3,383.8	12.4	11.9	-145.81	-75.8	-86.5	136.3	112.4	23.93	5.696	
3,500.0	3,482.3	3,486.0	3,482.3	12.8	12.2	-149.50	-75.8	-86.5	151.0	126.4	24.62	6.135	
3,600.0	3,580.8	3,584.5	3,580.8	13.2	12.5	-152.53	-75.8	-86.5	166.3	141.0	25.32	6.569	
3,700.0	3,679.2	3,682.9	3,679.2	13.6	12.9	-155.05	-75.8	-86.5	181.9	155.9	26.01	6.994	
3,800.0	3,777.7	3,781.4	3,777.7	14.0	13.2	-157.16	-75.8	-86.5	197.8	171.1	26.71	7.407	
3,900.0	3,876.2	3,879.9	3,876.2	14.5	13.6	-158.96	-75.8	-86.5	214.0	186.6	27.41	7.807	
4,000.0	3,974.7	3,978.4	3,974.7	14.9	13.9	-160.51	-75.8	-86.5	230.3	202.2	28.11	8.192	
4,100.0	4,073.2	4,076.9	4,073.2	15.3	14.3	-161.86	-75.8	-86.5	246.8	218.0	28.82	8.563	
4,200.0	4,171.6	4,175.3	4,171.6	15.7	14.6	-163.03	-75.8	-86.5	263.3	233.8	29.52	8.920	
4,300.0	4,270.1	4,273.8	4,270.1	16.2	15.0	-164.07	-75.8	-86.5	280.0	249.8	30.23	9.263	
4,397.7	4,366.3	4,370.0	4,366.3	16.6	15.3	-164.97	-75.8	-86.5	296.4	265.5	30.92	9.585	
4,400.0	4,368.6	4,372.3	4,368.6	16.6	15.3	-164.99	-75.8	-86.5	296.8	265.8	30.94	9.593	
4,500.0	4,467.4	4,471.1	4,467.4	17.0	15.7	-165.80	-75.8	-86.5	311.8	280.2	31.65	9.854	
4,600.0	4,566.6	4,570.3	4,566.6	17.4	16.0	-166.38	-75.8	-86.5	323.6	291.2	32.35	10.002	
4,700.0	4,666.3	4,670.0	4,666.3	17.8	16.4	-166.77	-75.8	-86.5	332.0	298.9	33.06	10.041	
4,800.0	4,766.1	4,769.8	4,766.1	18.2	16.7	-167.00	-75.8	-86.5	337.0	303.2	33.77	9.980	
4,897.7	4,863.8	4,867.5	4,863.8	18.5	17.1	102.93	-75.8	-86.5	338.6	304.2	34.46	9.828	
4,900.0	4,866.1	4,869.8	4,866.1	18.5	17.1	102.93	-75.8	-86.5	338.6	304.2	34.47	9.823	
5,000.0	4,966.1	4,969.8	4,966.1	18.8	17.4	102.93	-75.8	-86.5	338.6	303.5	35.17	9.628	
5,100.0	5,066.1	5,069.8	5,066.1	19.2	17.8	102.93	-75.8	-86.5	338.6	302.8	35.87	9.440	
5,200.0	5,166.1	5,169.8	5,166.1	19.5	18.2	102.93	-75.8	-86.5	338.6	302.1	36.57	9.259	
5,300.0	5,266.1	5,269.8	5,266.1	19.8	18.5	102.93	-75.8	-86.5	338.6	301.4	37.28	9.085	
5,400.0	5,366.1	5,369.8	5,366.1	20.2	18.9	102.93	-75.8	-86.5	338.6	300.7	37.98	8.917	
5,500.0	5,466.1	5,469.8	5,466.1	20.5	19.2	102.93	-75.8	-86.5	338.6	300.0	38.68	8.755	
5,600.0	5,566.1	5,569.8	5,566.1	20.8	19.6	102.93	-75.8	-86.5	338.6	299.3	39.38	8.598	
5,700.0	5,666.1	5,669.8	5,666.1	21.2	19.9	102.93	-75.8	-86.5	338.6	298.6	40.09	8.447	
5,800.0	5,766.1	5,769.8	5,766.1	21.5	20.3	102.93	-75.8	-86.5	338.6	297.8	40.79	8.301	
5,900.0	5,866.1	5,869.8	5,866.1	21.8	20.6	102.93	-75.8	-86.5	338.6	297.1	41.50	8.161	
6,000.0	5,966.1	5,969.8	5,966.1	22.2	21.0	102.93	-75.8	-86.5	338.6	296.4	42.20	8.024	
6,100.0	6,066.1	6,069.8	6,066.1	22.5	21.4	102.93	-75.8	-86.5	338.6	295.7	42.91	7.892	
6,200.0	6,166.1	6,169.8	6,166.1	22.8	21.7	102.93	-75.8	-86.5	338.6	295.0	43.61	7.765	
6,300.0	6,266.1	6,269.8	6,266.1	23.2	22.1	102.93	-75.8	-86.5	338.6	294.3	44.32	7.641	
6,400.0	6,366.1	6,369.8	6,366.1	23.5	22.4	102.93	-75.8	-86.5	338.6	293.6	45.03	7.521	
6,500.0	6,466.1	6,469.8	6,466.1	23.9	22.8	102.93	-75.8	-86.5	338.6	292.9	45.73	7.405	
6,600.0	6,566.1	6,569.8	6,566.1	24.2	23.1	102.93	-75.8	-86.5	338.6	292.2	46.44	7.292	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: EL CAMPEON FED COM PROJECT - EL CAMPEON FED COM 112H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,700.0	6,666.1	6,669.8	6,666.1	24.5	23.5	102.93	-75.8	-86.5	338.6	291.5	47.15	7.183	
6,800.0	6,766.1	6,769.8	6,766.1	24.9	23.9	102.93	-75.8	-86.5	338.6	290.8	47.86	7.076	
6,900.0	6,866.1	6,869.8	6,866.1	25.2	24.2	102.93	-75.8	-86.5	338.6	290.1	48.56	6.973	
7,000.0	6,966.1	6,969.8	6,966.1	25.6	24.6	102.93	-75.8	-86.5	338.6	289.4	49.27	6.873	
7,100.0	7,066.1	7,069.8	7,066.1	25.9	24.9	102.93	-75.8	-86.5	338.6	288.7	49.98	6.776	
7,200.0	7,166.1	7,169.8	7,166.1	26.3	25.3	102.93	-75.8	-86.5	338.6	288.0	50.69	6.681	
7,300.0	7,266.1	7,269.8	7,266.1	26.6	25.6	102.93	-75.8	-86.5	338.6	287.2	51.40	6.589	
7,400.0	7,366.1	7,369.8	7,366.1	27.0	26.0	102.93	-75.8	-86.5	338.6	286.5	52.11	6.499	
7,500.0	7,466.1	7,469.8	7,466.1	27.3	26.4	102.93	-75.8	-86.5	338.6	285.8	52.82	6.412	
7,600.0	7,566.1	7,569.8	7,566.1	27.6	26.7	102.93	-75.8	-86.5	338.6	285.1	53.53	6.327	
7,700.0	7,666.1	7,669.8	7,666.1	28.0	27.1	102.93	-75.8	-86.5	338.6	284.4	54.24	6.244	
7,800.0	7,766.1	7,769.8	7,766.1	28.3	27.4	102.93	-75.8	-86.5	338.6	283.7	54.95	6.163	
7,900.0	7,866.1	7,869.8	7,866.1	28.7	27.8	102.93	-75.8	-86.5	338.6	283.0	55.66	6.085	
8,000.0	7,966.1	7,969.8	7,966.1	29.0	28.1	102.93	-75.8	-86.5	338.6	282.3	56.37	6.008	
8,100.0	8,066.1	8,069.8	8,066.1	29.4	28.5	102.93	-75.8	-86.5	338.6	281.6	57.08	5.933	
8,200.0	8,166.1	8,169.8	8,166.1	29.7	28.9	102.93	-75.8	-86.5	338.6	280.9	57.79	5.860	
8,300.0	8,266.1	8,269.8	8,266.1	30.1	29.2	102.93	-75.8	-86.5	338.6	280.1	58.50	5.789	
8,400.0	8,366.1	8,369.8	8,366.1	30.4	29.6	102.93	-75.8	-86.5	338.6	279.4	59.21	5.719	
8,500.0	8,466.1	8,469.8	8,466.1	30.8	29.9	102.93	-75.8	-86.5	338.6	278.7	59.92	5.652	
8,600.0	8,566.1	8,569.8	8,566.1	31.1	30.3	102.93	-75.8	-86.5	338.6	278.0	60.63	5.585	
8,700.0	8,666.1	8,669.8	8,666.1	31.5	30.6	102.93	-75.8	-86.5	338.6	277.3	61.34	5.520	
8,800.0	8,766.1	8,769.8	8,766.1	31.8	31.0	102.93	-75.8	-86.5	338.6	276.6	62.05	5.457	
8,900.0	8,866.1	8,869.8	8,866.1	32.2	31.4	102.93	-75.8	-86.5	338.6	275.9	62.77	5.395	
9,000.0	8,966.1	8,969.8	8,966.1	32.5	31.7	102.93	-75.8	-86.5	338.6	275.2	63.48	5.335	
9,100.0	9,066.1	9,069.8	9,066.1	32.9	32.1	102.93	-75.8	-86.5	338.6	274.5	64.19	5.276	
9,200.0	9,166.1	9,169.8	9,166.1	33.2	32.4	102.93	-75.8	-86.5	338.6	273.7	64.90	5.218	
9,300.0	9,266.1	9,269.8	9,266.1	33.6	32.8	102.93	-75.8	-86.5	338.6	273.0	65.61	5.161	
9,400.0	9,366.1	9,369.8	9,366.1	33.9	33.1	102.93	-75.8	-86.5	338.6	272.3	66.33	5.106	
9,500.0	9,466.1	9,469.8	9,466.1	34.3	33.5	102.93	-75.8	-86.5	338.6	271.6	67.04	5.051	
9,600.0	9,566.1	9,569.8	9,566.1	34.6	33.9	102.93	-75.8	-86.5	338.6	270.9	67.75	4.998	
9,700.0	9,666.1	9,669.8	9,666.1	35.0	34.2	102.93	-75.8	-86.5	338.6	270.2	68.46	4.946	
9,800.0	9,766.1	9,769.8	9,766.1	35.3	34.6	102.93	-75.8	-86.5	338.6	269.5	69.17	4.895	
9,900.0	9,866.1	9,869.8	9,866.1	35.7	34.9	102.93	-75.8	-86.5	338.6	268.8	69.89	4.845	
10,000.0	9,966.1	9,969.8	9,966.1	36.0	35.3	102.93	-75.8	-86.5	338.6	268.0	70.60	4.797	
10,100.0	10,066.1	10,059.8	10,055.9	36.4	35.6	103.52	-79.4	-86.5	339.6	268.4	71.21	4.770	
10,200.0	10,166.1	10,141.7	10,136.0	36.7	35.9	106.26	-96.3	-86.3	345.3	273.7	71.62	4.822	
10,300.0	10,266.1	10,215.9	10,205.1	37.1	36.1	110.45	-123.3	-86.1	358.0	286.4	71.61	4.999	
10,400.0	10,366.1	10,280.5	10,261.2	37.4	36.3	115.13	-155.2	-85.8	380.2	309.3	70.88	5.364	
10,500.0	10,466.1	10,335.4	10,305.1	37.8	36.5	119.59	-188.0	-85.4	413.5	344.1	69.33	5.964	
10,600.0	10,566.1	10,381.4	10,338.7	38.1	36.6	123.49	-219.3	-85.1	457.9	390.7	67.14	6.819	
10,700.0	10,666.1	10,425.0	10,367.8	38.5	36.8	127.20	-251.8	-84.8	512.3	447.4	64.93	7.891	
10,800.0	10,766.1	10,450.0	10,383.1	38.8	36.9	129.29	-271.6	-84.6	575.0	512.9	62.13	9.255	
10,856.4	10,822.5	10,467.9	10,393.3	39.0	36.9	130.76	-286.3	-84.5	613.5	552.6	60.93	10.069	
10,875.0	10,841.1	10,475.0	10,397.3	39.1	36.9	-46.58	-292.2	-84.4	626.5	565.9	60.61	10.336	
10,900.0	10,866.0	10,475.0	10,397.3	39.2	36.9	-44.55	-292.2	-84.4	643.6	583.9	59.75	10.771	
10,925.0	10,890.9	10,487.1	10,403.8	39.2	37.0	-41.91	-302.4	-84.3	660.4	601.0	59.42	11.113	
10,950.0	10,915.5	10,500.0	10,410.4	39.3	37.0	-39.50	-313.5	-84.2	676.9	617.8	59.11	11.450	
10,975.0	10,939.9	10,500.0	10,410.4	39.4	37.0	-37.94	-313.5	-84.2	692.8	634.6	58.27	11.890	
11,000.0	10,963.9	10,509.8	10,415.2	39.5	37.1	-36.07	-322.0	-84.1	708.4	650.6	57.83	12.249	
11,025.0	10,987.6	10,517.7	10,419.0	39.5	37.1	-34.45	-328.9	-84.1	723.5	666.2	57.31	12.623	
11,050.0	11,010.8	10,525.0	10,422.4	39.6	37.1	-33.00	-335.4	-84.0	738.0	681.2	56.78	12.999	
11,075.0	11,033.5	10,533.8	10,426.3	39.7	37.1	-31.64	-343.3	-83.9	752.0	695.7	56.30	13.358	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: EL CAMPEON FED COM PROJECT - EL CAMPEON FED COM 112H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,100.0	11,055.7	10,542.1	10,429.9	39.8	37.2	-30.42	-350.7	-83.9	765.5	709.7	55.81	13.717	
11,125.0	11,077.2	10,550.0	10,433.2	39.8	37.2	-29.33	-357.9	-83.8	778.4	723.1	55.31	14.073	
11,150.0	11,097.9	10,558.9	10,436.7	39.9	37.2	-28.32	-366.0	-83.7	790.6	735.8	54.85	14.414	
11,175.0	11,118.0	10,567.4	10,440.0	40.0	37.3	-27.42	-373.9	-83.6	802.2	747.9	54.39	14.751	
11,200.0	11,137.2	10,575.0	10,442.8	40.0	37.3	-26.63	-381.0	-83.6	813.2	759.3	53.91	15.086	
11,225.0	11,155.6	10,584.7	10,446.2	40.1	37.3	-25.88	-390.1	-83.5	823.5	770.0	53.50	15.393	
11,250.0	11,173.0	10,600.0	10,451.2	40.1	37.4	-25.13	-404.5	-83.3	833.2	780.0	53.27	15.642	
11,275.0	11,189.5	10,600.0	10,451.2	40.2	37.4	-24.65	-404.5	-83.3	842.1	789.5	52.61	16.007	
11,300.0	11,205.0	10,611.1	10,454.6	40.2	37.4	-24.10	-415.2	-83.2	850.3	798.0	52.28	16.264	
11,325.0	11,219.4	10,625.0	10,458.4	40.3	37.5	-23.60	-428.5	-83.1	857.9	805.8	52.04	16.486	
11,350.0	11,232.8	10,625.0	10,458.4	40.3	37.5	-23.26	-428.5	-83.1	864.6	813.2	51.47	16.799	
11,375.0	11,245.0	10,638.0	10,461.6	40.4	37.5	-22.88	-441.1	-83.0	870.7	819.4	51.24	16.994	
11,400.0	11,256.0	10,650.0	10,464.3	40.4	37.5	-22.55	-452.8	-82.9	876.0	825.0	50.99	17.179	
11,425.0	11,265.9	10,650.0	10,464.3	40.5	37.5	-22.34	-452.8	-82.9	880.6	830.0	50.53	17.426	
11,450.0	11,274.6	10,665.2	10,467.2	40.5	37.6	-22.10	-467.7	-82.7	884.3	833.9	50.40	17.547	
11,475.0	11,282.0	10,675.0	10,468.9	40.6	37.6	-21.94	-477.4	-82.6	887.3	837.2	50.18	17.683	
11,500.0	11,288.2	10,683.4	10,470.2	40.6	37.7	-21.81	-485.7	-82.6	889.6	839.6	49.97	17.802	
11,525.0	11,293.0	10,700.0	10,472.2	40.7	37.7	-21.72	-502.1	-82.4	891.2	841.3	49.91	17.857	
11,550.0	11,296.6	10,700.0	10,472.2	40.8	37.7	-21.70	-502.1	-82.4	891.8	842.2	49.65	17.963	
11,575.0	11,298.9	10,710.8	10,473.3	40.8	37.8	-21.70	-512.9	-82.3	891.8	842.2	49.56	17.993	
11,600.0	11,299.9	10,725.0	10,474.2	40.9	37.8	-21.75	-527.0	-82.2	891.0	841.5	49.54	17.986	
11,606.4	11,300.0	10,725.0	10,474.2	40.9	37.8	-21.76	-527.0	-82.2	890.6	841.1	49.50	17.992	
11,685.1	11,300.0	10,751.2	10,475.0	41.2	37.9	-21.78	-553.2	-81.9	888.4	839.0	49.45	17.966	
11,700.0	11,300.0	10,765.8	10,475.0	41.2	38.0	-21.78	-567.9	-81.8	888.4	838.9	49.50	17.950	
11,800.0	11,300.0	10,865.8	10,475.0	41.6	38.4	-21.79	-667.9	-80.8	888.5	838.6	49.86	17.819	
11,900.0	11,300.0	10,965.8	10,475.0	42.1	38.9	-21.79	-767.8	-79.8	888.5	838.2	50.29	17.667	
12,000.0	11,300.0	11,065.8	10,475.0	42.6	39.4	-21.80	-867.8	-78.9	888.5	837.7	50.79	17.494	
12,100.0	11,300.0	11,165.8	10,475.0	43.1	40.0	-21.80	-967.8	-77.9	888.5	837.2	51.35	17.302	
12,200.0	11,300.0	11,265.8	10,475.0	43.8	40.7	-21.80	-1,067.8	-76.9	888.6	836.6	51.98	17.094	
12,300.0	11,300.0	11,365.8	10,475.0	44.4	41.4	-21.81	-1,167.8	-76.0	888.6	835.9	52.67	16.870	
12,400.0	11,300.0	11,465.8	10,475.0	45.1	42.2	-21.81	-1,267.8	-75.0	888.6	835.2	53.42	16.634	
12,500.0	11,300.0	11,565.8	10,475.0	45.9	43.0	-21.82	-1,367.8	-74.0	888.7	834.4	54.23	16.387	
12,600.0	11,300.0	11,665.8	10,475.0	46.7	43.9	-21.82	-1,467.8	-73.0	888.7	833.6	55.09	16.132	
12,700.0	11,300.0	11,765.8	10,475.0	47.6	44.8	-21.82	-1,567.8	-72.1	888.7	832.7	56.00	15.869	
12,800.0	11,300.0	11,865.8	10,475.0	48.5	45.7	-21.83	-1,667.8	-71.1	888.7	831.8	56.96	15.602	
12,900.0	11,300.0	11,965.8	10,475.0	49.4	46.7	-21.83	-1,767.8	-70.1	888.8	830.8	57.97	15.331	
13,000.0	11,300.0	12,065.8	10,475.0	50.4	47.7	-21.84	-1,867.8	-69.2	888.8	829.8	59.02	15.058	
13,100.0	11,300.0	12,165.8	10,475.0	51.4	48.8	-21.84	-1,967.8	-68.2	888.8	828.7	60.12	14.784	
13,200.0	11,300.0	12,265.8	10,475.0	52.4	49.9	-21.85	-2,067.8	-67.2	888.8	827.6	61.25	14.511	
13,300.0	11,300.0	12,365.8	10,475.0	53.5	51.0	-21.85	-2,167.8	-66.3	888.9	826.4	62.43	14.238	
13,400.0	11,300.0	12,465.8	10,475.0	54.6	52.2	-21.85	-2,267.8	-65.3	888.9	825.3	63.64	13.968	
13,500.0	11,300.0	12,565.8	10,475.0	55.7	53.3	-21.86	-2,367.8	-64.3	888.9	824.0	64.88	13.701	
13,600.0	11,300.0	12,665.8	10,475.0	56.9	54.5	-21.86	-2,467.8	-63.4	889.0	822.8	66.15	13.438	
13,700.0	11,300.0	12,765.8	10,475.0	58.1	55.8	-21.87	-2,567.8	-62.4	889.0	821.5	67.46	13.178	
13,800.0	11,300.0	12,865.8	10,475.0	59.3	57.0	-21.87	-2,667.8	-61.4	889.0	820.2	68.79	12.924	
13,900.0	11,300.0	12,965.8	10,475.0	60.5	58.3	-21.87	-2,767.8	-60.5	889.0	818.9	70.15	12.673	
14,000.0	11,300.0	13,065.8	10,475.0	61.7	59.6	-21.88	-2,867.7	-59.5	889.1	817.5	71.53	12.429	
14,100.0	11,300.0	13,165.8	10,475.0	63.0	60.9	-21.88	-2,967.7	-58.5	889.1	816.1	72.94	12.189	
14,127.1	11,300.0	13,192.9	10,475.0	63.3	61.2	-21.88	-2,994.8	-58.3	889.1	815.8	73.33	12.125	
14,200.0	11,300.0	13,265.8	10,475.0	64.3	62.2	-21.94	-3,067.7	-57.6	889.5	815.0	74.42	11.951	
14,300.0	11,300.0	13,365.7	10,475.0	65.6	63.5	-22.16	-3,167.6	-56.6	891.1	815.0	76.12	11.707	
14,400.0	11,300.0	13,465.4	10,475.0	66.8	64.8	-22.57	-3,267.3	-55.6	894.1	816.0	78.04	11.456	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: EL CAMPEON FED COM PROJECT - EL CAMPEON FED COM 112H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,500.0	11,300.0	13,564.8	10,475.0	68.2	66.2	-23.16	-3,366.7	-54.7	898.5	818.3	80.22	11.201	
14,533.2	11,300.0	13,597.6	10,475.0	68.6	66.6	-23.38	-3,399.5	-54.4	900.3	819.3	80.99	11.116	
14,600.0	11,300.0	13,663.8	10,475.0	69.5	67.6	-23.93	-3,465.7	-53.7	904.2	821.5	82.60	10.946	
14,700.0	11,300.0	13,762.8	10,475.0	70.8	68.9	-24.74	-3,564.6	-52.8	910.1	825.0	85.06	10.699	
14,800.0	11,300.0	13,861.7	10,475.0	72.1	70.3	-25.54	-3,663.6	-51.8	916.1	828.6	87.57	10.461	
14,900.0	11,300.0	13,960.7	10,475.0	73.5	71.7	-26.33	-3,762.6	-50.8	922.4	832.3	90.14	10.232	
15,000.0	11,300.0	14,059.7	10,475.0	74.8	73.1	-27.11	-3,861.6	-49.9	928.8	836.1	92.77	10.013	
15,100.0	11,300.0	14,158.7	10,475.0	76.2	74.5	-27.88	-3,960.6	-48.9	935.4	840.0	95.44	9.802	
15,200.0	11,300.0	14,257.7	10,475.0	77.6	75.9	-28.63	-4,059.6	-48.0	942.2	844.1	98.16	9.599	
15,300.0	11,300.0	14,356.7	10,475.0	79.0	77.4	-29.38	-4,158.5	-47.0	949.1	848.2	100.92	9.405	
15,400.0	11,300.0	14,455.7	10,475.0	80.4	78.8	-30.12	-4,257.5	-46.0	956.2	852.5	103.73	9.219	
15,500.0	11,300.0	14,554.7	10,475.0	81.8	80.3	-30.84	-4,356.5	-45.1	963.5	856.9	106.58	9.040	
15,600.0	11,300.0	14,653.6	10,475.0	83.2	81.7	-31.56	-4,455.5	-44.1	970.9	861.4	109.47	8.869	
15,700.0	11,300.0	14,752.6	10,475.0	84.6	83.2	-32.26	-4,554.5	-43.2	978.5	866.1	112.39	8.706	
15,800.0	11,300.0	14,851.6	10,475.0	86.1	84.6	-32.95	-4,653.5	-42.2	986.2	870.8	115.35	8.549	
15,900.0	11,300.0	14,950.6	10,475.0	87.5	86.1	-33.63	-4,752.4	-41.3	994.0	875.7	118.34	8.399	

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: EL CAMPEON FED COM PROJECT - EL CAMPEON FED COM 152H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	88.61	0.8	33.0	33.0				
100.0	100.0	100.0	100.0	0.3	0.3	88.61	0.8	33.0	33.0	32.5	0.50	65.755	
200.0	200.0	200.0	200.0	0.6	0.6	88.61	0.8	33.0	33.0	31.8	1.22	27.075	
300.0	300.0	300.0	300.0	1.0	1.0	88.61	0.8	33.0	33.0	31.1	1.94	17.048	
400.0	400.0	400.0	400.0	1.3	1.3	88.61	0.8	33.0	33.0	30.3	2.65	12.440	
500.0	500.0	500.0	500.0	1.7	1.7	88.61	0.8	33.0	33.0	29.6	3.37	9.793	
600.0	600.0	600.0	600.0	2.0	2.0	88.61	0.8	33.0	33.0	28.9	4.09	8.075	
700.0	700.0	700.0	700.0	2.4	2.4	88.61	0.8	33.0	33.0	28.2	4.80	6.870	
800.0	800.0	800.0	800.0	2.8	2.8	88.61	0.8	33.0	33.0	27.5	5.52	5.978	
900.0	900.0	900.0	900.0	3.1	3.1	88.61	0.8	33.0	33.0	26.8	6.24	5.291	
1,000.0	1,000.0	1,000.0	1,000.0	3.5	3.5	88.61	0.8	33.0	33.0	26.0	6.95	4.745	
1,100.0	1,100.0	1,100.0	1,100.0	3.8	3.8	88.61	0.8	33.0	33.0	25.3	7.67	4.302	
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	88.61	0.8	33.0	33.0	24.6	8.39	3.934	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	88.61	0.8	33.0	33.0	23.9	9.11	3.624	
1,400.0	1,400.0	1,400.0	1,400.0	4.9	4.9	88.61	0.8	33.0	33.0	23.2	9.82	3.360	
1,500.0	1,500.0	1,500.0	1,500.0	5.3	5.3	88.61	0.8	33.0	33.0	22.5	10.54	3.131	
1,600.0	1,600.0	1,600.0	1,600.0	5.6	5.6	88.61	0.8	33.0	33.0	21.7	11.26	2.932	
1,700.0	1,700.0	1,700.0	1,700.0	6.0	6.0	88.61	0.8	33.0	33.0	21.0	11.97	2.756	
1,800.0	1,800.0	1,800.0	1,800.0	6.3	6.3	88.61	0.8	33.0	33.0	20.3	12.69	2.600	
1,900.0	1,900.0	1,900.0	1,900.0	6.7	6.7	88.61	0.8	33.0	33.0	19.6	13.41	2.461	
2,000.0	2,000.0	2,000.0	2,000.0	7.1	7.1	88.61	0.8	33.0	33.0	18.9	14.12	2.336	CC, ES, SF
2,100.0	2,100.0	2,098.8	2,098.8	7.4	7.4	177.84	1.4	34.6	36.4	21.6	14.81	2.456	
2,200.0	2,199.8	2,196.9	2,196.8	7.8	7.8	176.20	3.1	39.4	46.5	31.1	15.48	3.008	
2,300.0	2,299.5	2,294.6	2,294.1	8.1	8.1	174.69	5.7	46.9	63.1	47.0	16.14	3.910	
2,400.0	2,398.7	2,392.5	2,391.6	8.5	8.4	173.95	8.6	55.0	83.6	66.8	16.82	4.969	
2,500.0	2,497.5	2,489.6	2,488.4	8.8	8.8	173.69	11.4	62.9	107.5	90.0	17.50	6.140	
2,600.0	2,595.9	2,586.3	2,584.7	9.2	9.1	173.65	14.2	70.9	133.0	114.8	18.18	7.317	
2,700.0	2,694.4	2,682.9	2,681.0	9.6	9.5	173.62	17.0	78.8	158.6	139.7	18.86	8.409	
2,800.0	2,792.9	2,779.6	2,777.3	10.0	9.8	173.60	19.9	86.8	184.1	164.6	19.54	9.423	
2,900.0	2,891.4	2,876.3	2,873.6	10.3	10.2	173.58	22.7	94.7	209.7	189.5	20.22	10.368	
3,000.0	2,989.9	2,973.0	2,969.9	10.7	10.5	173.57	25.5	102.7	235.2	214.3	20.91	11.250	
3,100.0	3,088.3	3,069.7	3,066.2	11.1	10.9	173.56	28.3	110.6	260.8	239.2	21.60	12.074	
3,200.0	3,186.8	3,166.3	3,162.5	11.5	11.2	173.55	31.1	118.5	286.4	264.1	22.29	12.846	
3,300.0	3,285.3	3,263.0	3,258.8	12.0	11.6	173.54	33.9	126.5	311.9	288.9	22.98	13.571	
3,400.0	3,383.8	3,359.7	3,355.2	12.4	12.0	173.53	36.7	134.4	337.5	313.8	23.68	14.252	
3,500.0	3,482.3	3,456.4	3,451.5	12.8	12.3	173.53	39.6	142.4	363.0	338.6	24.38	14.893	
3,600.0	3,580.8	3,553.1	3,547.8	13.2	12.7	173.52	42.4	150.3	388.6	363.5	25.07	15.498	
3,700.0	3,679.2	3,649.7	3,644.1	13.6	13.0	173.52	45.2	158.3	414.1	388.4	25.77	16.069	
3,800.0	3,777.7	3,746.4	3,740.4	14.0	13.4	173.52	48.0	166.2	439.7	413.2	26.47	16.609	
3,900.0	3,876.2	3,843.1	3,836.7	14.5	13.8	173.51	50.8	174.1	465.2	438.1	27.17	17.121	
4,000.0	3,974.7	3,939.8	3,933.0	14.9	14.1	173.51	53.6	182.1	490.8	462.9	27.88	17.606	
4,100.0	4,073.2	4,036.5	4,029.3	15.3	14.5	173.51	56.4	190.0	516.4	487.8	28.58	18.067	
4,200.0	4,171.6	4,133.1	4,125.6	15.7	14.8	173.51	59.3	198.0	541.9	512.6	29.28	18.505	
4,300.0	4,270.1	4,229.8	4,222.0	16.2	15.2	173.50	62.1	205.9	567.5	537.5	29.99	18.922	
4,397.7	4,366.3	4,324.2	4,316.0	16.6	15.6	173.50	64.8	213.7	592.4	561.7	30.68	19.311	
4,400.0	4,368.6	4,326.5	4,318.3	16.6	15.6	173.50	64.9	213.8	593.0	562.3	30.69	19.320	
4,500.0	4,467.4	4,423.6	4,415.0	17.0	15.9	173.54	67.7	221.8	616.8	585.4	31.40	19.643	
4,600.0	4,566.6	4,521.5	4,512.5	17.4	16.3	173.53	70.6	229.9	637.2	605.1	32.11	19.846	
4,700.0	4,666.3	4,632.6	4,623.2	17.8	16.7	173.48	73.6	238.5	653.8	620.9	32.91	19.864	
4,800.0	4,766.1	4,760.9	4,751.4	18.2	17.2	173.45	75.6	243.9	663.3	629.5	33.81	19.621	
4,897.7	4,863.8	4,873.2	4,863.8	18.5	17.6	83.46	75.8	244.6	665.5	631.0	34.57	19.254	
4,900.0	4,866.1	4,875.6	4,866.1	18.5	17.6	83.46	75.8	244.6	665.5	631.0	34.58	19.245	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: EL CAMPEON FED COM PROJECT - EL CAMPEON FED COM 152H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,966.1	4,975.6	4,966.1	18.8	17.9	83.46	75.8	244.6	665.5	630.3	35.28	18.864	
5,100.0	5,066.1	5,075.6	5,066.1	19.2	18.3	83.46	75.8	244.6	665.5	629.6	35.98	18.497	
5,200.0	5,166.1	5,175.6	5,166.1	19.5	18.6	83.46	75.8	244.6	665.5	628.9	36.68	18.145	
5,300.0	5,266.1	5,275.6	5,266.1	19.8	19.0	83.46	75.8	244.6	665.5	628.2	37.38	17.805	
5,400.0	5,366.1	5,375.6	5,366.1	20.2	19.3	83.46	75.8	244.6	665.5	627.5	38.08	17.477	
5,500.0	5,466.1	5,475.6	5,466.1	20.5	19.7	83.46	75.8	244.6	665.5	626.8	38.78	17.161	
5,600.0	5,566.1	5,575.6	5,566.1	20.8	20.0	83.46	75.8	244.6	665.5	626.1	39.49	16.855	
5,700.0	5,666.1	5,675.6	5,666.1	21.2	20.4	83.46	75.8	244.6	665.5	625.4	40.19	16.561	
5,800.0	5,766.1	5,775.6	5,766.1	21.5	20.7	83.46	75.8	244.6	665.5	624.6	40.89	16.276	
5,900.0	5,866.1	5,875.6	5,866.1	21.8	21.1	83.46	75.8	244.6	665.5	623.9	41.60	16.000	
6,000.0	5,966.1	5,975.6	5,966.1	22.2	21.4	83.46	75.8	244.6	665.5	623.2	42.30	15.734	
6,100.0	6,066.1	6,075.6	6,066.1	22.5	21.8	83.46	75.8	244.6	665.5	622.5	43.00	15.476	
6,200.0	6,166.1	6,175.6	6,166.1	22.8	22.1	83.46	75.8	244.6	665.5	621.8	43.71	15.227	
6,300.0	6,266.1	6,275.6	6,266.1	23.2	22.5	83.46	75.8	244.6	665.5	621.1	44.41	14.985	
6,400.0	6,366.1	6,375.6	6,366.1	23.5	22.8	83.46	75.8	244.6	665.5	620.4	45.12	14.751	
6,500.0	6,466.1	6,475.6	6,466.1	23.9	23.2	83.46	75.8	244.6	665.5	619.7	45.83	14.523	
6,600.0	6,566.1	6,575.6	6,566.1	24.2	23.5	83.46	75.8	244.6	665.5	619.0	46.53	14.303	
6,700.0	6,666.1	6,675.6	6,666.1	24.5	23.9	83.46	75.8	244.6	665.5	618.3	47.24	14.089	
6,800.0	6,766.1	6,775.6	6,766.1	24.9	24.2	83.46	75.8	244.6	665.5	617.6	47.95	13.881	
6,900.0	6,866.1	6,875.6	6,866.1	25.2	24.6	83.46	75.8	244.6	665.5	616.9	48.65	13.679	
7,000.0	6,966.1	6,975.6	6,966.1	25.6	24.9	83.46	75.8	244.6	665.5	616.2	49.36	13.483	
7,100.0	7,066.1	7,075.6	7,066.1	25.9	25.3	83.46	75.8	244.6	665.5	615.5	50.07	13.293	
7,200.0	7,166.1	7,175.6	7,166.1	26.3	25.7	83.46	75.8	244.6	665.5	614.8	50.78	13.107	
7,300.0	7,266.1	7,275.6	7,266.1	26.6	26.0	83.46	75.8	244.6	665.5	614.1	51.49	12.927	
7,400.0	7,366.1	7,375.6	7,366.1	27.0	26.4	83.46	75.8	244.6	665.5	613.3	52.19	12.751	
7,500.0	7,466.1	7,475.6	7,466.1	27.3	26.7	83.46	75.8	244.6	665.5	612.6	52.90	12.581	
7,600.0	7,566.1	7,575.6	7,566.1	27.6	27.1	83.46	75.8	244.6	665.5	611.9	53.61	12.414	
7,700.0	7,666.1	7,675.6	7,666.1	28.0	27.4	83.46	75.8	244.6	665.5	611.2	54.32	12.252	
7,800.0	7,766.1	7,775.6	7,766.1	28.3	27.8	83.46	75.8	244.6	665.5	610.5	55.03	12.094	
7,900.0	7,866.1	7,875.6	7,866.1	28.7	28.1	83.46	75.8	244.6	665.5	609.8	55.74	11.940	
8,000.0	7,966.1	7,975.6	7,966.1	29.0	28.5	83.46	75.8	244.6	665.5	609.1	56.45	11.790	
8,100.0	8,066.1	8,075.6	8,066.1	29.4	28.8	83.46	75.8	244.6	665.5	608.4	57.16	11.644	
8,200.0	8,166.1	8,175.6	8,166.1	29.7	29.2	83.46	75.8	244.6	665.5	607.7	57.87	11.501	
8,300.0	8,266.1	8,275.6	8,266.1	30.1	29.5	83.46	75.8	244.6	665.5	607.0	58.58	11.361	
8,400.0	8,366.1	8,375.6	8,366.1	30.4	29.9	83.46	75.8	244.6	665.5	606.3	59.29	11.225	
8,500.0	8,466.1	8,475.6	8,466.1	30.8	30.3	83.46	75.8	244.6	665.5	605.5	60.00	11.092	
8,600.0	8,566.1	8,575.6	8,566.1	31.1	30.6	83.46	75.8	244.6	665.5	604.8	60.71	10.962	
8,700.0	8,666.1	8,675.6	8,666.1	31.5	31.0	83.46	75.8	244.6	665.5	604.1	61.42	10.835	
8,800.0	8,766.1	8,775.6	8,766.1	31.8	31.3	83.46	75.8	244.6	665.5	603.4	62.13	10.711	
8,900.0	8,866.1	8,875.6	8,866.1	32.2	31.7	83.46	75.8	244.6	665.5	602.7	62.85	10.590	
9,000.0	8,966.1	8,975.6	8,966.1	32.5	32.0	83.46	75.8	244.6	665.5	602.0	63.56	10.472	
9,100.0	9,066.1	9,075.6	9,066.1	32.9	32.4	83.46	75.8	244.6	665.5	601.3	64.27	10.356	
9,200.0	9,166.1	9,175.6	9,166.1	33.2	32.7	83.46	75.8	244.6	665.5	600.6	64.98	10.242	
9,300.0	9,266.1	9,275.6	9,266.1	33.6	33.1	83.46	75.8	244.6	665.5	599.8	65.69	10.131	
9,400.0	9,366.1	9,375.6	9,366.1	33.9	33.5	83.46	75.8	244.6	665.5	599.1	66.40	10.023	
9,500.0	9,466.1	9,475.6	9,466.1	34.3	33.8	83.46	75.8	244.6	665.5	598.4	67.11	9.916	
9,600.0	9,566.1	9,575.6	9,566.1	34.6	34.2	83.46	75.8	244.6	665.5	597.7	67.83	9.812	
9,700.0	9,666.1	9,675.6	9,666.1	35.0	34.5	83.46	75.8	244.6	665.5	597.0	68.54	9.710	
9,800.0	9,766.1	9,775.6	9,766.1	35.3	34.9	83.46	75.8	244.6	665.5	596.3	69.25	9.611	
9,900.0	9,866.1	9,875.6	9,866.1	35.7	35.2	83.46	75.8	244.6	665.5	595.6	69.96	9.513	
10,000.0	9,966.1	9,975.6	9,966.1	36.0	35.6	83.46	75.8	244.6	665.5	594.9	70.68	9.417	
10,100.0	10,066.1	10,075.6	10,066.1	36.4	35.9	83.46	75.8	244.6	665.5	594.2	71.39	9.323	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: EL CAMPEON FED COM PROJECT - EL CAMPEON FED COM 152H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.0	10,166.1	10,175.6	10,166.1	36.7	36.3	83.46	75.8	244.6	665.5	593.4	72.10	9.231	
10,300.0	10,266.1	10,275.6	10,266.1	37.1	36.7	83.46	75.8	244.6	665.5	592.7	72.81	9.140	
10,400.0	10,366.1	10,375.6	10,366.1	37.4	37.0	83.46	75.8	244.6	665.5	592.0	73.53	9.052	
10,500.0	10,466.1	10,482.9	10,473.3	37.8	37.4	83.69	73.1	244.7	665.3	591.0	74.25	8.960	
10,600.0	10,566.1	10,593.7	10,581.1	38.1	37.7	85.79	48.7	244.9	663.4	588.5	74.94	8.852	
10,700.0	10,666.1	10,689.1	10,667.4	38.5	38.0	89.29	8.2	245.3	661.9	586.3	75.57	8.758	
10,704.8	10,670.9	10,693.3	10,670.9	38.5	38.0	89.47	6.1	245.3	661.9	586.3	75.60	8.755	
10,800.0	10,766.1	10,766.3	10,730.2	38.8	38.2	93.16	-36.6	245.7	664.2	588.2	76.03	8.736	
10,856.4	10,822.5	10,802.4	10,756.9	39.0	38.2	95.25	-60.8	245.9	668.5	592.4	76.13	8.781	
10,875.0	10,841.1	10,813.5	10,764.7	39.1	38.3	-83.35	-68.7	246.0	670.4	594.3	76.12	8.807	
10,900.0	10,866.0	10,828.2	10,774.8	39.2	38.3	-82.14	-79.4	246.1	673.3	597.2	76.09	8.849	
10,925.0	10,890.9	10,842.8	10,784.5	39.2	38.3	-80.93	-90.3	246.2	676.6	600.6	76.03	8.899	
10,950.0	10,915.5	10,857.4	10,793.8	39.3	38.3	-79.72	-101.5	246.3	680.1	604.2	75.94	8.956	
10,975.0	10,939.9	10,875.0	10,804.6	39.4	38.4	-78.33	-115.4	246.4	684.0	608.1	75.87	9.015	
11,000.0	10,963.9	10,886.1	10,811.2	39.5	38.4	-77.29	-124.3	246.5	688.0	612.3	75.70	9.089	
11,025.0	10,987.6	10,900.0	10,819.1	39.5	38.4	-76.11	-135.8	246.6	692.2	616.7	75.53	9.164	
11,050.0	11,010.8	10,914.5	10,827.0	39.6	38.5	-74.92	-148.0	246.7	696.6	621.2	75.36	9.243	
11,075.0	11,033.5	10,925.0	10,832.5	39.7	38.5	-73.92	-156.9	246.8	701.1	625.9	75.11	9.334	
11,100.0	11,055.7	10,942.7	10,841.2	39.8	38.5	-72.62	-172.2	246.9	705.6	630.7	74.95	9.415	
11,125.0	11,077.2	10,956.6	10,847.8	39.8	38.6	-71.52	-184.6	247.0	710.2	635.5	74.72	9.505	
11,150.0	11,097.9	10,975.0	10,855.8	39.9	38.6	-70.27	-201.1	247.2	714.9	640.3	74.55	9.590	
11,175.0	11,118.0	10,984.5	10,859.7	40.0	38.6	-69.40	-209.7	247.3	719.5	645.3	74.24	9.691	
11,200.0	11,137.2	11,000.0	10,865.7	40.0	38.7	-68.34	-224.0	247.4	724.1	650.1	74.02	9.782	
11,225.0	11,155.6	11,012.1	10,870.1	40.1	38.7	-67.43	-235.4	247.5	728.6	654.9	73.75	9.879	
11,250.0	11,173.0	11,025.0	10,874.4	40.1	38.7	-66.54	-247.5	247.6	733.0	659.6	73.50	9.974	
11,275.0	11,189.5	11,039.6	10,878.9	40.2	38.8	-65.64	-261.4	247.7	737.4	664.1	73.27	10.063	
11,300.0	11,205.0	11,050.0	10,881.8	40.2	38.8	-64.90	-271.3	247.8	741.6	668.6	73.00	10.158	
11,325.0	11,219.4	11,067.0	10,886.2	40.3	38.8	-64.03	-287.8	248.0	745.6	672.7	72.82	10.238	
11,350.0	11,232.8	11,080.7	10,889.3	40.3	38.9	-63.30	-301.1	248.1	749.4	676.8	72.62	10.319	
11,375.0	11,245.0	11,094.3	10,891.9	40.4	38.9	-62.62	-314.5	248.2	753.0	680.6	72.43	10.396	
11,400.0	11,256.0	11,107.9	10,894.2	40.4	39.0	-61.99	-327.9	248.3	756.5	684.2	72.26	10.468	
11,425.0	11,265.9	11,125.0	10,896.6	40.5	39.0	-61.35	-344.8	248.5	759.7	687.5	72.14	10.530	
11,450.0	11,274.6	11,135.1	10,897.7	40.5	39.0	-60.88	-354.9	248.6	762.6	690.6	71.99	10.593	
11,475.0	11,282.0	11,150.0	10,898.9	40.6	39.1	-60.38	-369.7	248.7	765.3	693.4	71.90	10.645	
11,500.0	11,288.2	11,162.3	10,899.6	40.6	39.1	-59.98	-381.9	248.8	767.8	695.9	71.82	10.690	
11,525.0	11,293.0	11,175.0	10,899.9	40.7	39.1	-59.61	-394.7	249.0	769.9	698.1	71.77	10.728	
11,550.0	11,296.6	11,195.4	10,900.0	40.8	39.2	-59.25	-415.1	249.1	771.7	699.9	71.77	10.753	
11,575.0	11,298.9	11,220.3	10,900.0	40.8	39.3	-58.98	-440.0	249.4	772.9	701.1	71.83	10.760	
11,600.0	11,299.9	11,245.3	10,900.0	40.9	39.4	-58.86	-465.0	249.6	773.4	701.5	71.93	10.752	
11,606.4	11,300.0	11,251.7	10,900.0	40.9	39.4	-58.86	-471.4	249.7	773.4	701.5	71.97	10.747	
11,700.0	11,300.0	11,345.3	10,900.0	41.2	39.7	-58.86	-565.0	250.5	773.5	700.9	72.51	10.667	
11,800.0	11,300.0	11,445.3	10,900.0	41.6	40.1	-58.86	-665.0	251.4	773.5	700.3	73.20	10.566	
11,900.0	11,300.0	11,545.3	10,900.0	42.1	40.6	-58.86	-765.0	252.4	773.5	699.5	74.01	10.452	
12,000.0	11,300.0	11,645.3	10,900.0	42.6	41.1	-58.86	-865.0	253.3	773.5	698.6	74.91	10.325	
12,100.0	11,300.0	11,745.3	10,900.0	43.1	41.7	-58.86	-965.0	254.2	773.5	697.6	75.93	10.188	
12,200.0	11,300.0	11,845.3	10,900.0	43.8	42.4	-58.86	-1,064.9	255.1	773.5	696.5	77.03	10.041	
12,300.0	11,300.0	11,945.3	10,900.0	44.4	43.1	-58.86	-1,164.9	256.0	773.6	695.3	78.24	9.887	
12,400.0	11,300.0	12,045.3	10,900.0	45.1	43.8	-58.86	-1,264.9	256.9	773.6	694.0	79.53	9.726	
12,500.0	11,300.0	12,145.3	10,900.0	45.9	44.6	-58.86	-1,364.9	257.9	773.6	692.7	80.91	9.561	
12,600.0	11,300.0	12,245.3	10,900.0	46.7	45.5	-58.86	-1,464.9	258.8	773.6	691.2	82.38	9.391	
12,700.0	11,300.0	12,345.3	10,900.0	47.6	46.4	-58.86	-1,564.9	259.7	773.6	689.7	83.92	9.219	
12,800.0	11,300.0	12,445.3	10,900.0	48.5	47.3	-58.87	-1,664.9	260.6	773.6	688.1	85.53	9.045	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: EL CAMPEON FED COM PROJECT - EL CAMPEON FED COM 152H - OWB - PWP0 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

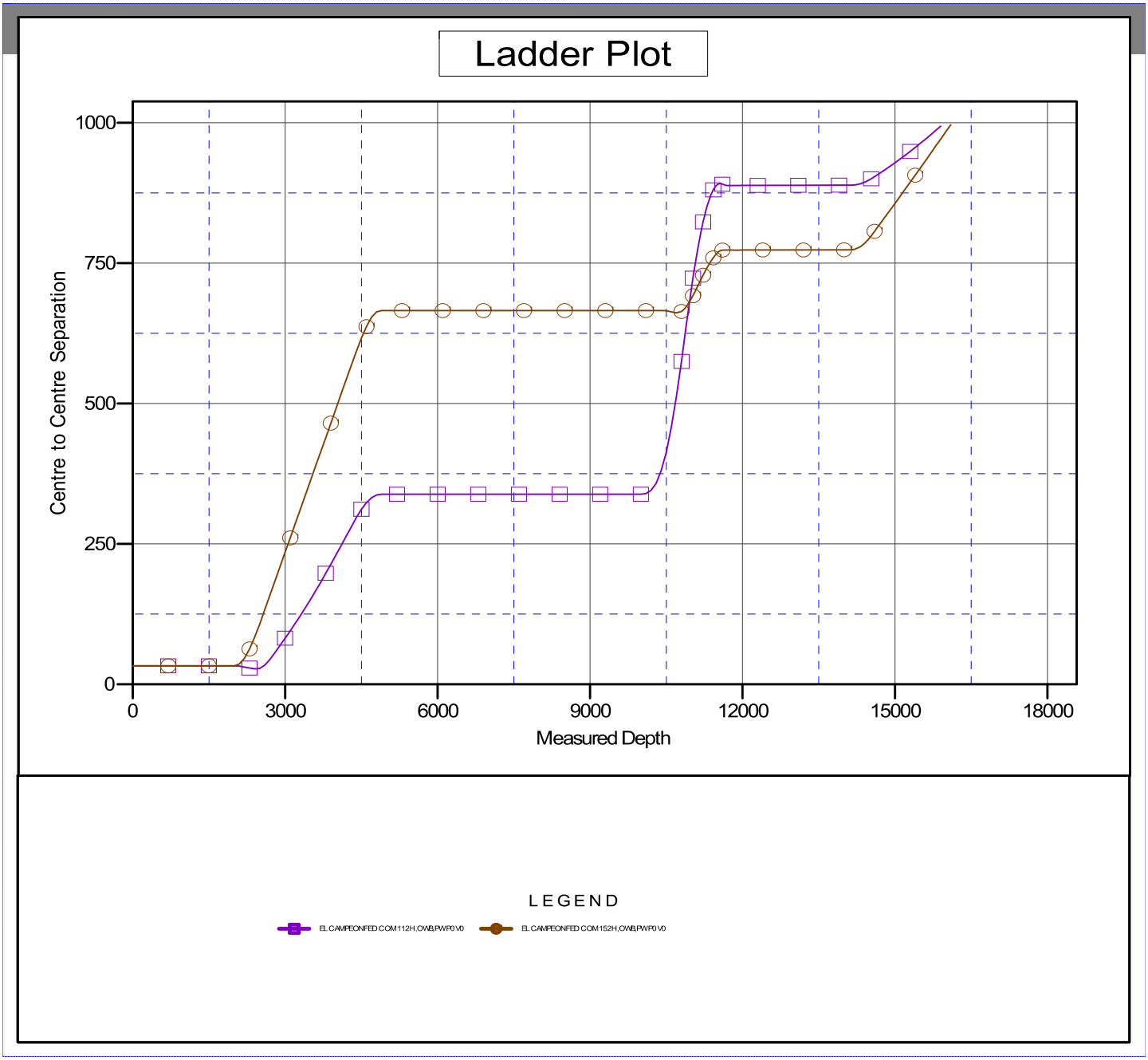
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,900.0	11,300.0	12,545.3	10,900.0	49.4	48.3	-58.87	-1,764.9	261.5	773.7	686.4	87.21	8.871	
13,000.0	11,300.0	12,645.3	10,900.0	50.4	49.3	-58.87	-1,864.9	262.4	773.7	684.7	88.96	8.697	
13,100.0	11,300.0	12,745.3	10,900.0	51.4	50.3	-58.87	-1,964.9	263.4	773.7	682.9	90.76	8.524	
13,200.0	11,300.0	12,845.3	10,900.0	52.4	51.4	-58.87	-2,064.9	264.3	773.7	681.1	92.63	8.353	
13,300.0	11,300.0	12,945.3	10,900.0	53.5	52.5	-58.87	-2,164.9	265.2	773.7	679.2	94.55	8.183	
13,400.0	11,300.0	13,045.3	10,900.0	54.6	53.6	-58.87	-2,264.9	266.1	773.7	677.2	96.52	8.016	
13,500.0	11,300.0	13,145.3	10,900.0	55.7	54.8	-58.87	-2,364.9	267.0	773.8	675.2	98.54	7.852	
13,600.0	11,300.0	13,245.3	10,900.0	56.9	55.9	-58.87	-2,464.9	268.0	773.8	673.2	100.61	7.691	
13,700.0	11,300.0	13,345.3	10,900.0	58.1	57.2	-58.87	-2,564.9	268.9	773.8	671.1	102.71	7.533	
13,800.0	11,300.0	13,445.3	10,900.0	59.3	58.4	-58.87	-2,664.9	269.8	773.8	669.0	104.86	7.379	
13,900.0	11,300.0	13,545.3	10,900.0	60.5	59.6	-58.87	-2,764.9	270.7	773.8	666.8	107.05	7.229	
14,000.0	11,300.0	13,645.3	10,900.0	61.7	60.9	-58.87	-2,864.9	271.6	773.8	664.6	109.27	7.082	
14,100.0	11,300.0	13,745.3	10,900.0	63.0	62.2	-58.87	-2,964.9	272.5	773.9	662.3	111.52	6.939	
14,127.1	11,300.0	13,772.4	10,900.0	63.3	62.5	-58.87	-2,991.9	272.8	773.9	661.7	112.13	6.901	
14,200.0	11,300.0	13,845.3	10,900.0	64.3	63.5	-58.90	-3,064.9	273.5	774.7	660.8	113.83	6.806	
14,300.0	11,300.0	13,945.2	10,900.0	65.6	64.8	-59.03	-3,164.8	274.4	778.4	662.1	116.27	6.694	
14,400.0	11,300.0	14,044.9	10,900.0	66.8	66.1	-59.25	-3,264.4	275.3	785.1	666.2	118.85	6.606	
14,500.0	11,300.0	14,144.3	10,900.0	68.2	67.4	-59.57	-3,363.8	276.2	794.8	673.2	121.55	6.539	
14,533.2	11,300.0	14,177.1	10,900.0	68.6	67.9	-59.69	-3,396.6	276.5	798.7	676.2	122.47	6.522	
14,600.0	11,300.0	14,243.3	10,900.0	69.5	68.8	-60.03	-3,462.8	277.1	806.9	682.5	124.34	6.489	
14,700.0	11,300.0	14,342.3	10,900.0	70.8	70.1	-60.52	-3,561.8	278.0	819.2	692.0	127.16	6.442	
14,800.0	11,300.0	14,441.3	10,900.0	72.1	71.5	-61.00	-3,660.8	278.9	831.6	701.6	130.01	6.396	
14,900.0	11,300.0	14,540.3	10,900.0	73.5	72.9	-61.47	-3,759.8	279.8	844.0	711.1	132.87	6.352	
15,000.0	11,300.0	14,639.3	10,900.0	74.8	74.3	-61.92	-3,858.8	280.7	856.5	720.7	135.75	6.309	
15,100.0	11,300.0	14,738.3	10,900.0	76.2	75.7	-62.35	-3,957.8	281.7	869.0	730.4	138.65	6.268	
15,200.0	11,300.0	14,837.2	10,900.0	77.6	77.1	-62.78	-4,056.8	282.6	881.6	740.0	141.56	6.228	
15,300.0	11,300.0	14,936.2	10,900.0	79.0	78.5	-63.19	-4,155.7	283.5	894.2	749.7	144.49	6.189	
15,400.0	11,300.0	15,035.2	10,900.0	80.4	79.9	-63.60	-4,254.7	284.4	906.9	759.5	147.43	6.151	
15,500.0	11,300.0	15,134.2	10,900.0	81.8	81.3	-63.99	-4,353.7	285.3	919.6	769.2	150.39	6.115	
15,600.0	11,300.0	15,233.2	10,900.0	83.2	82.8	-64.37	-4,452.7	286.2	932.4	779.0	153.36	6.080	
15,700.0	11,300.0	15,332.2	10,900.0	84.6	84.2	-64.74	-4,551.7	287.1	945.2	788.8	156.34	6.046	
15,800.0	11,300.0	15,431.2	10,900.0	86.1	85.7	-65.10	-4,650.7	288.0	958.0	798.7	159.34	6.012	
15,900.0	11,300.0	15,530.2	10,900.0	87.5	87.1	-65.45	-4,749.7	288.9	970.9	808.5	162.34	5.981	
16,000.0	11,300.0	15,629.2	10,900.0	88.9	88.6	-65.79	-4,848.7	289.8	983.8	818.4	165.36	5.950	
16,100.0	11,300.0	15,728.2	10,900.0	90.4	90.1	-66.12	-4,947.7	290.7	996.7	828.4	168.38	5.919	

Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3205.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

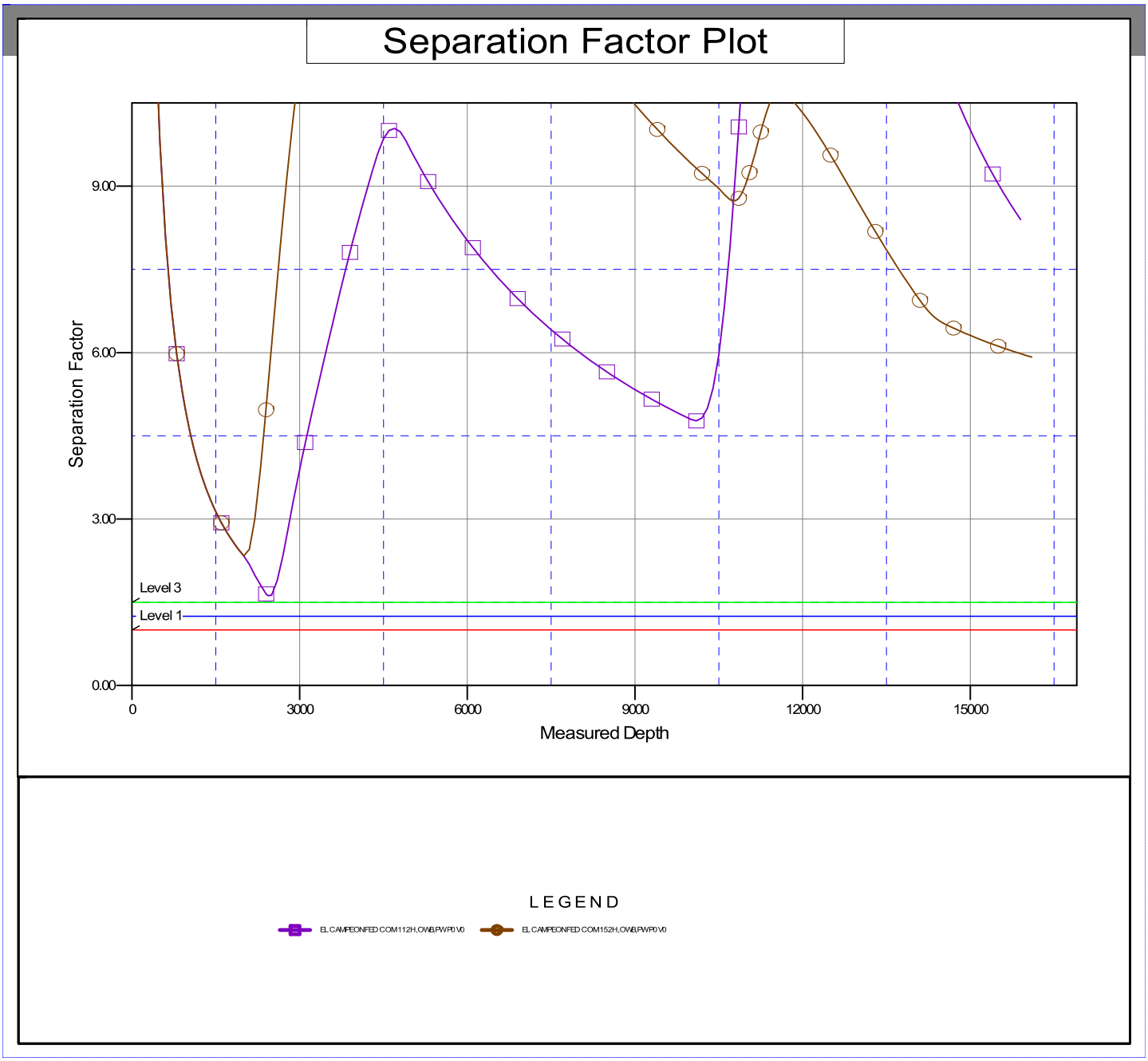
Coordinates are relative to: EL CAMPEON FED COM 122H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.50°



Anticollision Report

Company:	NEW MEXICO	**Local Co-ordinate Reference:**	Well EL CAMPEON FED COM 122H
Project:	(SP) LEA	**TVD Reference:**	KB @ 3205.0usft
Reference Site:	EL CAMPEON FED COM PROJECT	**MD Reference:**	KB @ 3205.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	EL CAMPEON FED COM 122H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	Compass_17
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3205.0usft	Coordinates are relative to: EL CAMPEON FED COM 122H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Central Meridian is 104° 20' 0.000 W	Grid Convergence at Surface is: 0.50°



Sante Fe Main Office
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General Information
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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: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 473851
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	The C-103 NOI was not approved or rejected; however, the work requested in the C-103 NOI was performed and completed without NMOCD approval. This action will result in review for potential compliance actions.	1/12/2026