<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101 August 1, 2011

Permit 364827

| APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGB | ACK, OR ADD A ZONE |
|--|--------------------|
|--|--------------------|

| 1. Operator Name and Address | 2. OGRID Number | |
|-------------------------------|--------------------|---------------|
| Earthstone Operating, LLC | | 331165 |
| 300 N. Marienfeld St Ste 1000 | | 3. API Number |
| Midland, TX 79701 | | 30-025-53010 |
| 4. Property Code | 5. Property Name | 6. Well No. |
| 332607 | OUTLAND STATE UNIT | 122H |

7. Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| M | 13 | 21S | 34E | M | 897 | S | 1158 | W | Lea |

8. Proposed Bottom Hole Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County | |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|--|
| С | 12 | 21S | 34E | С | 100 | N | 1980 | W | Lea | |

9. Pool Information

| GF | RAMA RIDGE;BONE SPRING, NORTH | 28434 |
|----|-------------------------------|-------|

Additional Well Information

| 11. Work Type New Well | 12. Well Type OIL | 13. Cable/Rotary | 14. Lease Type State | 15. Ground Level Elevation 3651 |
|---------------------------|-----------------------------|--|-------------------------|-----------------------------------|
| 16. Multiple N | 17. Proposed Depth 20589 | 18. Formation 2nd Bone Spring Sand | 19. Contractor | 20. Spud Date 7/5/2024 |
| Depth to Ground water | | Distance from nearest fresh water well | | Distance to nearest surface water |

We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5 | 13.375 | 54.5 | 1721 | 1300 | 0 |
| Int1 | 12.25 | 9.625 | 40 | 5410 | 1430 | 0 |
| Prod | 7.875 | 5.5 | 20 | 20589 | 1390 | 4910 |
| Prod | 8.75 | 5.5 | 20 | 10642 | 720 | 4910 |

Casing/Cement Program: Additional Comments

| ADDITIONAL CASING INFORMATION ATTACHED | | | |
|--|--|--|--|
| | | | |

22. Proposed Blowout Prevention Program

| Туре | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Annular | 2500 | 2500 | |
| Double Ram | 5000 | 5000 | |

| knowledge and | have complied with 19.15.14.9 (A) | true and complete to the best of my NMAC ⊠ and/or 19.15.14.9 (B) NMAC | | OIL CONSERVATIO | ON DIVISION |
|---|-----------------------------------|---|--------------------|-----------------|---------------------------|
| Printed Name: | Electronically filed by Stephanie | Rabadue | Approved By: | Paul F Kautz | |
| Title: | Regulatory Manager | | Title: | Geologist | |
| Email Address: stephanie.rabadue@permianres.com | | | Approved Date: | 6/4/2024 | Expiration Date: 6/4/2026 |
| Date: | 5/20/2024 | Phone: 432-260-4388 | Conditions of Appr | roval Attached | |

Form C-102

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazon Road, Artec, NM 87410 District IV

Phone: (505) 476-3460 Fax (505) 476-3462

1220 S. St Francis Dr., NM 87505

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

Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| _ | | | | | | | | | |
|---|----------------------------|----|--------------------------------|-------------------|--------------------------|--|--|--|--|
| Γ | ¹ API Numbe | er | ² Pool Code | | | | | | |
| | | | 28434 GRAMA RIDGE; BONE SPRING | | NG, NORTH | | | | |
| Γ | ⁴ Property Code | | ⁵ Pro | operty Name | ⁶ Well Number | | | | |
| | | | OUTLA | ND STATE UNIT | 122H | | | | |
| Γ | ⁷ OGRID No. | | 8 O _I | perator Name | ⁹ Elevation | | | | |
| | 331165 | | EARTHSTON | IE OPERATING, LLC | 3,651.83' | | | | |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------------|---|---------------|---------------|------------|---------------|------------------|---------------|----------------|--------|
| M | 13 | 21 S | 34 E | | 897' | SOUTH | 1,158' | WEST | LEA |
| | "Bottom Hole Location If Different From Surface | | | | | | | | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| C | 12 | 21 S | 34 E | | 100' | NORTH | 1,980' | WEST | LEA |
| 12 Dedicated Acres | ¹³ Joint o | r Infill 14 (| Consolidation | Code 15 Or | der No. | | | | |
| 320 | | | | | | | | | |

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.

9 (A) 1,980 ******* ********** 659 V050500003 10,364.29 B014840013 0 П SECTION 12 V046410005 Е 2 E PPr \bigcirc ⑻ ® 1,980 -669 ,320' 669 1.980 B011670079 B068070010 PP2 **(F) (** VB23530000 ELEV. 3,651.83 SECTION 13 1,158 1,980' 668 **©** ① \oplus 8 - FTP/PPP1

SURFACE HOLE LOCATION & KICK-OFF POINT 897' FSL & 1,158' FWL ELEV. = 3,651.83'

NAD 83 X = 820,429.95' NAD 83 Y = 537,441.40' NAD 83 LAT = 32.474236° NAD 83 LONG = -103.428327 NAD 27 X = 779,247.19' NAD 27 X = 779,247.19' NAD 27 Y = 537,379.82' NAD 27 LAT = 32.474112° NAD 27 LONG = -103.427846°

FIRST TAKE POINT & PENETRATION POINT 1 100' FSL & 1,980' FWL

NAD 83 X = 821,258.65' NAD 83 Y = 536,652.32' NAD 83 LAT = 32.472048° NAD 83 LONG = -103.425662° NAD 27 X = 780,075.85' NAD 27 Y = 536,590.76' NAD 27 LAT = 32.471924° NAD 27 LONG = -103.425181°

PENETRATION POINT 2 1,320' FNL & 1,980' FWL

NAD 83 X = 821,226.19 NAD 83 X = 821,226.19 NAD 83 LAT = 32.482659° NAD 83 LONG = -103.425661° NAD 27 X = 780,043.47' NAD 27 X = 540,451.17' NAD 27 LAT = 32.482535° NAD 27 LONG = -103.425180°

PENETRATION POINT 3 0' FNL & 1,980' FWL

NAD 83 X = 821,215.09' NAD 83 Y = 541,833.29' NAD 83 LAT = 32.486288° NAD 83 LONG = -103.425660° NAD 27 X = 780,032.39' NAD 27 Y = 541,771.59' NAD 27 LAT = 32.486164° NAD 27 LONG = -103.425179'

LAST TAKE POINT & BOTTOM HOLF LOCATION 100' FNL & 1,980' FWL

NAD 83 X = 821,171.89' NAD 83 Y = 547,016.25' NAD 83 LAT = 32.500535° NAD 83 LONG = -103.425658° NAD 27 X = 779,989.30' NAD 27 Y = 546,954.40' NAD 27 LAT = 32.500410° NAD 27 LONG = -103.425176°

17 OPERATOR CERTIFICATION

I OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or 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 such a mineral or working interest, or to a voluntary pooling agreement for a compulsory pooling order heretofone eptered by the division.

5/20/2024

JENNIFER ELROD

jennifer.elrod@permianres.com

18 SURVEYOR CERTIFICATION

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.

> CORNER COORDINATES
> NEW MEXICO EAST - NAD 83
> A - IRON PIPE W/ BRASS CAP
> N:547.095.19' E.319.191.16'
> B - IRON PIPE W/ BRASS CAP
> NEW A132.32' E.319.332.02' N:547,123.27' E:821,832.03' C - IRON PIPE W/ BRASS CAF N:547.148.52' E:824.492.23'
> D - 1/2" CAPPED IRON ROD
> N:544.506.94' E:824.513.04'
> E - CALCULATED CORNER
> N:541.862.38' E:824.533.87'
> F - CALCULATED CORNER
> N:539.235.55' E:824.554.28'
> G - 3/4" IRON ROD
> N:536.558.75' E:824.574.71'
> H - IRON PIPE W/ BRASS CAP
> N:536.558.77' E:821.927.95'
> J - IRON PIPE W/ BRASS CAP
> N:539.173.79' E:819.257.66'
> J - IRON PIPE W/ BRASS CAP
> N:541.815.84' E:819.235.17'
> L - IRON PIPE W/ BRASS CAP
> N:544.855.72' E:819.213.31'
> M - 5/8" IRON ROD
> N:541.839.19' E:821.884.50' N:541.839.19' E:821.884.50'



P.L.S. NO. 12177 MARK J. MURRAY

Released to Imaging: 6/4/2024 2:59:55 PM

| Intent | t X | As Dril | led | | | | | | | | | | |
|-------------------|--------------------------|------------------------|---------------|---------|---------------|-----------------------------------|--------------|--------------|-----------|-----------|-----------|---------------|---------------------|
| API# | | | | | | | | | | | | | |
| • | rator Na | me: ONE OPI | ERATIN | G, LL | С | Property Name: OUTLAND STATE UNIT | | | | | | | Well Number 122H |
| | | | | | | | | | | | | | |
| | Off Point | | ı | г | | | | | | | | 1 - | |
| UL M | Section 13 | Township 21 S | Range 34 E | Lot | Feet 897 | From N | N/S | Feet 1,15 | 8 | From W | n E/W | County LEA | |
| 132.4 | ^{ide} 174236 | 6 | | | Longitu -103. | .428327 | | | | | | NAD 83 | |
| | | | | | | | | | | | | l | |
| First 1 | Take Poir | nt (FTP) | | | | | | | | | | | |
| UL N | Section 13 | Township 21 S | Range 34 E | Lot | Feet 100 | From N | N/S | Feet 1,98 | 0 | From W | n E/W | County LEA | |
| Latitu | ide 172048 | 3 | • | | Longitu | | | | | | | NAD 83 | |
| Last T UL C | Section | t (LTP) Township 21 S | Range 34 E | Lot | Feet 100 | From N/S | Feet 1,98 | | From W | E/W | Count | ty | |
| Latitu | ide 500535 | I | I | | Longitu | .425658 | 1 - | ļ | | | NAD 83 | | |
| | | | well for th | e Horiz | | pacing Unit? | , [| yes |] | | 00 | | |
| s this | well an | infill well? | | |] | | | | | | | | |
| | l is yes p ng Unit. | lease prov | ide API if a | availab | ole, Oper | rator Name | and v | vell nu | umber | for [| Definiı | ng well fo | or Horizontal |
| API# | | | | | | | | | | | | | |
| Operator Name: | | | | | | Property Name: | | | | | | Well Number | |
| | | | | | | | | | | | | | <u> </u> |

KZ 06/29/2018

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Conditions

Permit 364827

PERMIT CONDITIONS OF APPROVAL

| Operator Name and Address: | API Number: |
|------------------------------------|--------------------------|
| Earthstone Operating, LLC [331165] | 30-025-53010 |
| 300 N. Marienfeld St Ste 1000 | Well: |
| Midland, TX 79701 | OUTLAND STATE UNIT #122H |

| OCD Reviewer | Condition |
|-----------------|--|
| pkautz | Notify OCD 24 hours prior to casing & cement |
| pkautz | Will require a File As Drilled C-102 and a Directional Survey with the C-104 |
| pkautz | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string |
| pkautz | Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system |
| pkautz | Cement is required to circulate on both surface and intermediate1 strings of casing |
| pkautz | If cement does not circulate on any string, a CBL is required for that string of casing |
| pkautz | The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud |

Permian Resources - Outland State Unit 122H

1. Geologic Formations

| Formation | Elevation | TVD | Target |
|----------------------|-----------|-------|--------|
| Rustler | 1986 | 1696 | No |
| Top of Salt | 1587 | 2095 | No |
| Yates | 92 | 3590 | No |
| Capitan | -311 | 3993 | No |
| Cherry Canyon | -1778 | 5460 | No |
| Brushy Canyon | -3038 | 6720 | No |
| Bone Spring Lime | -4487 | 8169 | No |
| 1st Bone Spring Sand | -5689 | 9371 | No |
| 2nd Bone Spring Sand | -6209 | 9891 | Yes |
| 3rd Bone Spring Sand | -7096 | 10778 | No |
| Wolfcamp | -7274 | 10956 | No |

2. Blowout Prevention

| BOP installed and tested before drilling | Size? | Min. Required WP | Ту | pe | x | Tested to: | |
|--|---------|------------------------|--------|-------|---|------------|--|
| | | | Anr | ıular | Х | 2500 psi | |
| | | | Blind | Ram | Х | | |
| 12.25 | 13-5/8" | 5M | Pipe | Ram | Х | 5000 poi | |
| | | | Doubl | e Ram | | 5000 psi | |
| | | | Other* | | | 1 | |
| | | | Anr | ıular | Х | 2500 psi | |
| | | | Blind | Ram | Х | | |
| 8.75 | 13-5/8" | 5M | Pipe | Ram | Х | 5000 psi | |
| | | | Doubl | e Ram | | | |
| | | | Other* | | | Ţ | |

Equipment: 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 the components installed will be functional and tested. All BOPE connections shall be flanged, welded or clamped. All choke lines shall be straight unless targeted with running tees or tee blocks are used, and choke lines shall be anchored to prevent whip and reduce vibrations. All valves in the choke line & the choke manifold shall be full opening as to not cause restrictions and to allow for straight fluid paths to minimize potential erosion. All gauges utilized in the well control system shall be of a type designed for drilling fluid service. A top drive inside BOP valve will be utilized at all times. Subs equipped with full opening valves sized to fit the drill pipe and collars will be available on the rig floor in the open position. The key to operate said valve equipped subs will be on the rig floor at all times. The accumulator system will have sufficient capacity to open the HCR and close all three sets of rams plus the annular preventer while retaining at least 300 psi above precharge on the closing manifold (accumulator system shall be capable of doing so without using the closing unit pumps). The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity, and the fluid level will be maintained at the manufacturer's recommended level. Prior to connecting the closing unit to the BOP stack, an accumulator precharge pressure test shall be performed to ensure the precharge pressure is within 100 psi of the desired precharge pressure (only nitrogen gas will be used to precharge). Two independent power sources will be made available at all times to power the closing unit pumps so that the pumps can automatically start when the closing valve manifold pressure has decreased to the preset level. Closing unit pumps will be sized to allow opening of HCR and closing of annular preventer on 5" drill pipe achieving at least 200 psi above precharge pressure with the accumulator system isolated from service in less than two minutes. A valve shall be installed in the closing line as close to the annular preventer as possible to act as a locking device; the valve shall be maintained in the open position and shall be closed only when the power source for the accumulator system is inoperative. Remote controls capable of opening and closing all preventers & the HCR shall be readily accessible to the driller; master controls with the same capability will be operable at the accumulator. The wellhead will be a multibowl speed head allowing for hangoff of intermediate casing & isolation of the 133/8 x 95/8 annulus without breaking the connection between the BOP & wellhead to install an additional casing head. A wear bushing will be installed & inspected frequently to guard against internal wear to wellhead. VBRs (variablebore rams) will be run in upper rambody of BOP stack to provide redundancy to annular preventer while RIH w/ production casing;

Requesting Variance? YES

Variance request: Flex hose and offline cement variances, see attachments in section 8. Testing Procedure: 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 30 day intervals e. checked daily as to mechanical operating conditions. The ram type preventer(s) will be tested using a test plug to 250 psi (low) and 5,000 psi (high) (casinghead WP) with a test plug upon its installation onto the 13 surface casing. If a test plug is not used, the ram type preventer(s) shall be tested to 70% of the minimum internal yield pressure of the casing. The annular type preventer(s) shall be tested to 3500 psi. Pressure will be maintained for at least 10 minutes or until provisions of the test are met, whichever is longer. A Sundry Notice (Form 3160 5), along with a copy of the BOP test report, shall be submitted to the local BLM office within 5 working days following the test. If the bleed line is connected into the buffer tank (header), all BOP equipment including the buffer tank and associated valves will be rated at the required BOP pressure. The BLM office will be provided with a minimum of four (4) hours notice of BOP testing to allow witnessing. The BOP Configuration, choke manifold layout, and accumulator system, will be in compliance with Onshore Order 2 for a 5,000 psi system. A remote accumulator and a multi-bowl system will be used, please see attachment in section 8 for multi-bowl procedure. Pressures, capacities, and specific placement and use of the manual and/or hydraulic controls, accumulator controls, bleed lines, etc., will be identified at the time of the BLM 'witnessed BOP test. Any remote controls will be capable of both opening and closing all preventers and shall be readily accessible.

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

3. Casing

| String | Hole Size | Casing Size | Тор | Bottom | Top TVD | Bottom TVD | Length | Grade | Weight | Connection | Collapse SF | Burst SF | Joint SF Type | Joint SF | Body SF Type | Body SF |
|--------------|-----------|-------------|-------|--------|---------|------------|--------|--------|---------|------------|-------------|----------|---------------|----------|--------------|---------|
| Surface | 17.5 | 13.375 | 0 | 1721 | 0 | 1721 | 1721 | J55 | 54.5 | BTC | 1.33 | 1.53 | Dry | 4.69 | Dry | 4.40 |
| Intermediate | 12.25 | 9.625 | 0 | 5410 | 0 | 5410 | 5410 | J55 | 40 | BTC | 2.30 | 1.46 | Dry | 2.26 | Dry | 1.99 |
| Production | 8.75 | 5.5 | 0 | 10642 | 0 | 10250 | 10642 | P110RY | 20 | TCBC-HT | 1.98 | 2.07 | Dry | 2.10 | Dry | 2.10 |
| Production | 7.875 | 5.5 | 10642 | 20589 | 10250 | 10250 | 9947 | P110RY | 20 | TCBC-HT | 1.98 | 2.07 | Dry | 2.10 | Dry | 2.10 |
| | | | | | | | | BLM Mi | in Safe | ty 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 | 1370 | 1020 | 1.88 | 12.9 | 1910 | 100% | Class C | EconoCem-HLC + 5% Salt + 5% Kol-Seal |
| Surface | Tail | 1370 | 1721 | 280 | 1.34 | 14.8 | 370 | 50% | Class C | Accelerator |
| Intermediate Intermediate | Lead Tail | 3615 4320 | 4320 5410 | 190 390 | 1.88 | 12.9 14.8 | 340 520 | | Class C | EconoCem-HLC + 5% Salt + 5% Kol-Seal Retarder |
| Stage Tool Depth | | 3615 | | | | | | | | |
| Intermediate 2nd Stage | Lead | 0 | 3115 | 690 | 1.88 | 12.9 | 1280 | 50% | Class C | EconoCem-HLC + 5% Salt + 5% Kol-Seal |
| Intermediate 2nd Stage | Tail | 3115 | 3615 | 160 | 1.33 | 14.8 | 200 | 25% | Class C | Salt |
| Production | Lead | 4910 | 9892 | 720 | 2.41 | 11.5 | 1720 | 40% | Class H | POZ, Extender, Fluid Loss, Dispersant, Retarder |
| Production | Tail | 9892 | 20589 | 1390 | 1.73 | 12.5 | 2400 | 25% | Class H | POZ, Extender, Fluid Loss, Dispersant, Retarder |
| Plug Back | Tail | 9472 | 11175 | 450 | 0.97 | 17.5 | 430 | 10% | Class C | Defoamer, HR-601, Salt |

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

Cuttings Volume: 11450 Cu Ft

Circulating Medium Table

| Top Depth | Bottom Depth | Mud Type | Min Weight | Max Weight |
|-----------|--------------|-----------------|------------|------------|
| 0 | 1721 | Spud Mud | 8.6 | 9.5 |
| 1721 | 5410 | Water Based Mud | 10 | 10 |
| 5410 | 10642 | Water Based Mud | 9 | 10.5 |
| 10642 | 20589 | OBM | 9 | 10.5 |

6. Test, Logging, Coring

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

7. Pressure

| Anticipated Bottom Hole Pressure | 5600 | psi |
|---|------|-----|
| Anticipated Surface Pressure | 3342 | psi |
| Anticipated Bottom Hole Temperature | 158 | °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: | 11450 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:

NEW MEXICO

(SP) LEA
OUTLAND STATE (FORMERLY CHOKEBERRY) PROJECT
OUTLAND STATE UNIT 122H

OWB

Plan: PWP0

Standard Planning Report - Geographic

14 May, 2024

Database: Compass_17
Company: NEW MEXICO
Project: (SP) LEA

Site: OUTLAND STATE (FORMERLY CHOKEBERRY) PROJECT

Well: OUTLAND STATE UNIT 122H

Wellbore: OWB
Design: PWP0

Local Co-ordinate Reference

TVD Reference: KB @ 3682.0usft MD Reference: KB @ 3682.0usft

North Reference: Grid

Survey Calculation Method:

Minimum Curvature

Well OUTLAND STATE UNIT 122H

Project (SP) LEA

Site

Map System:US State Plane 1983Geo Datum:North American Datum 1983Map Zone:New Mexico Eastern Zone

System Datum: Mean Sea Level

OUTLAND STATE (FORMERLY CHOKEBERRY) PROJECT

 Site Position:
 Northing:
 537,441.40 usft
 Latitude:
 32° 28' 27.249 N

 From:
 Map
 Easting:
 820,429.95 usft
 Longitude:
 103° 25' 41.978 W

Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 "

Well OUTLAND STATE UNIT 122H

 Well Position
 +N/-S
 0.0 usft
 Northing:
 537,441.40 usft
 Latitude:
 32° 28' 27.249 N

 +E/-W
 0.0 usft
 Easting:
 820,429.95 usft
 Longitude:
 103° 25' 41.978 W

 nty
 0.0 usft
 Wellhead Elevation:
 usft
 Ground Level:
 3,652.0 usft

Position Uncertainty 0.0 usft

Grid Convergence: 0.49 °

Wellbore OWB

 Magnetics
 Model Name
 Sample Date
 Declination (°)
 Dip Angle (°)
 Field Strength (nT)

 IGRF200510
 12/31/2009
 7.70
 60.50
 48,958.63988163

 Design
 PWP0

 Audit Notes:
 Prototype
 Tie On Depth:
 0.0

 Version:
 Depth From (TVD)
 +N/-S
 +E/-W
 Direction

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

 (usft)
 (usft)
 (usft)
 (°)

 0.0
 0.0
 0.0
 4.43

Plan Survey Tool Program Date 4/26/2024

Depth From Depth To
(usft) (usft) Survey (Wellbore) Tool Name Remarks

1 0.0 20,589.6 PWP0 (OWB) MWD

OWSG_Rev2_ MWD - Standa

Database: Compass_17
Company: NEW MEXICO
Project: (SP) LEA

Site: OUTLAND STATE (FORMERLY

CHOKEBERRY) PROJECT OUTLAND STATE UNIT 122H

Well: OUTLA
Wellbore: OWB
Design: PWP0

Local Co-ordinate Reference

TVD Reference:
MD Reference:
North Reference:

Well OUTLAND STATE UNIT 122H

KB @ 3682.0usft KB @ 3682.0usft

Grid

Survey Calculation Method:

| 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 | |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,600.0 | 12.00 | 135.70 | 1,595.6 | -44.8 | 43.7 | 2.00 | 2.00 | 0.00 | 135.70 | |
| 6,704.4 | 12.00 | 135.70 | 6,588.5 | -804.3 | 785.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,304.4 | 0.00 | 0.00 | 7,184.1 | -849.1 | 828.7 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 9,892.8 | 0.00 | 0.00 | 9,772.5 | -849.1 | 828.7 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10,642.8 | 90.00 | 359.52 | 10,250.0 | -371.7 | 824.7 | 12.00 | 12.00 | -0.06 | 359.52 | |
| 20,589.6 | 90.00 | 359.52 | 10,250.0 | 9,574.8 | 741.9 | 0.00 | 0.00 | 0.00 | 0.00 | BHL-OUTLAND STU |

Database: Compass_17
Company: NEW MEXICO
Project: (SP) LEA

Site: OUTLAND STATE (FORMERLY

CHOKEBERRY) PROJECT

Well: OUTLAND STATE UNIT 122H

Wellbore: OWB
Design: PWP0

Local Co-ordinate Reference

TVD Reference:
MD Reference:
North Reference:

Well OUTLAND STATE UNIT 122H

KB @ 3682.0usft KB @ 3682.0usft

Grid

Survey Calculation Method:

| 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 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 537,441.40 | 820,429.95 | 32° 28' 27.249 N | 103° 25' 41.978 W |
| Start Bu | | 405.70 | 4 400 0 | 4.0 | 4.0 | 507 440 45 | 000 404 47 | 20° 001 07 027 N | 4000 051 44 064 W |
| 1,100.0 | 2.00 | 135.70 135.70 | 1,100.0 1,199.8 | -1.2 | 1.2 | 537,440.15 | 820,431.17 | 32° 28' 27.237 N 32° 28' 27.199 N | 103° 25' 41.964 W |
| 1,200.0 | 4.00 | 135.70 | | -5.0 -11.2 | 4.9 | 537,436.41 537,430.17 | 820,434.82 | | 103° 25' 41.922 W |
| 1,300.0 1,400.0 | 6.00 8.00 | 135.70 | 1,299.5 1,398.7 | -11.2 -20.0 | 11.0 19.5 | 537,421.45 | 820,440.91 820,449.42 | 32° 28' 27.137 N 32° 28' 27.050 N | 103° 25' 41.851 W 103° 25' 41.753 W |
| 1,500.0 | 10.00 | 135.70 | 1,497.5 | -20.0 -31.1 | 30.4 | 537,410.26 | 820,460.35 | 32° 28' 26.938 N | 103° 25' 41.627 W |
| 1,600.0 | 12.00 | 135.70 | 1,595.6 | -31.1 -44.8 | 43.7 | 537,396.60 | 820,473.67 | 32° 28' 26.802 N | 103° 25' 41.472 W |
| | | | 1,393.0 | -44.0 | 45.7 | 337,390.00 | 020,473.07 | 32 20 20.002 N | 103 23 41.472 W |
| 1,700.0 | 04.4 hold at 16 12.00 | 135.70 | 1,693.4 | -59.7 | 58.2 | 537,381.72 | 820,488.20 | 32° 28' 26.654 N | 103° 25' 41.304 W |
| 1,800.0 | 12.00 | 135.70 | 1,791.3 | -74.6 | 72.8 | 537,366.84 | 820,502.72 | 32° 28' 26.505 N | 103° 25' 41.136 W |
| 1,900.0 | 12.00 | 135.70 | 1,889.1 | -89.4 | 87.3 | 537,351.96 | 820,517.24 | 32° 28' 26.357 N | 103° 25' 40.968 W |
| 2,000.0 | 12.00 | 135.70 | 1,986.9 | -104.3 | 101.8 | 537,337.08 | 820,531.76 | 32° 28' 26.208 N | 103° 25' 40.800 W |
| 2,100.0 | 12.00 | 135.70 | 2,084.7 | -119.2 | 116.3 | 537,322.20 | 820,546.28 | 32° 28' 26.060 N | 103° 25' 40.632 W |
| 2,200.0 | 12.00 | 135.70 | 2,182.5 | -134.1 | 130.9 | 537,307.33 | 820,560.80 | 32° 28' 25.912 N | 103° 25' 40.464 W |
| 2,300.0 | 12.00 | 135.70 | 2,280.3 | -149.0 | 145.4 | 537,292.45 | 820,575.33 | 32° 28' 25.763 N | 103° 25' 40.296 W |
| 2,400.0 | 12.00 | 135.70 | 2,378.1 | -163.8 | 159.9 | 537,277.57 | 820,589.85 | 32° 28' 25.615 N | 103° 25' 40.128 W |
| 2,500.0 | 12.00 | 135.70 | 2,476.0 | -178.7 | 174.4 | 537,262.69 | 820,604.37 | 32° 28' 25.466 N | 103° 25' 39.960 W |
| 2,600.0 | 12.00 | 135.70 | 2,573.8 | -193.6 | 188.9 | 537,247.81 | 820,618.89 | 32° 28' 25.318 N | 103° 25' 39.792 W |
| 2,700.0 | 12.00 | 135.70 | 2,671.6 | -208.5 | 203.5 | 537,232.93 | 820,633.41 | 32° 28' 25.169 N | 103° 25' 39.624 W |
| 2,800.0 | 12.00 | 135.70 | 2,769.4 | -223.4 | 218.0 | 537,218.05 | 820,647.93 | 32° 28' 25.021 N | 103° 25' 39.456 W |
| 2,900.0 | 12.00 | 135.70 | 2,867.2 | -238.2 | 232.5 | 537,203.17 | 820,662.46 | 32° 28' 24.872 N | 103° 25' 39.288 W |
| 3,000.0 | 12.00 | 135.70 | 2,965.0 | -253.1 | 247.0 | 537,188.29 | 820,676.98 | 32° 28' 24.724 N | 103° 25' 39.120 W |
| 3,100.0 | 12.00 | 135.70 | 3,062.8 | -268.0 | 261.6 | 537,173.41 | 820,691.50 | 32° 28' 24.576 N | 103° 25' 38.952 W |
| 3,200.0 | 12.00 | 135.70 | 3,160.7 | -282.9 | 276.1 | 537,158.53 | 820,706.02 | 32° 28' 24.427 N | 103° 25' 38.784 W |
| 3,300.0 | 12.00 | 135.70 | 3,258.5 | -297.7 | 290.6 | 537,143.65 | 820,720.54 | 32° 28' 24.279 N | 103° 25' 38.616 W |
| 3,400.0 | 12.00 | 135.70 | 3,356.3 | -312.6 | 305.1 | 537,128.77 | 820,735.07 | 32° 28' 24.130 N | 103° 25' 38.448 W |
| 3,500.0 | 12.00 | 135.70 | 3,454.1 | -327.5 | 319.6 | 537,113.90 | 820,749.59 | 32° 28' 23.982 N | 103° 25' 38.280 W |
| 3,600.0 | 12.00 | 135.70 | 3,551.9 | -342.4 | 334.2 | 537,099.02 | 820,764.11 | 32° 28' 23.833 N | 103° 25' 38.112 W |
| 3,700.0 | 12.00 | 135.70 | 3,649.7 | -357.3 | 348.7 | 537,084.14 | 820,778.63 | 32° 28' 23.685 N | 103° 25' 37.944 W |
| 3,800.0 | 12.00 | 135.70 | 3,747.5 | -372.1 | 363.2 | 537,069.26 | 820,793.15 | 32° 28' 23.536 N | 103° 25' 37.776 W |
| 3,900.0 | 12.00 | 135.70 | 3,845.4 | -387.0 | 377.7 | 537,054.38 | 820,807.67 | 32° 28' 23.388 N | 103° 25' 37.608 W |
| 4,000.0 | 12.00 | 135.70 | 3,943.2 | -401.9 | 392.2 | 537,039.50 | 820,822.20 | 32° 28' 23.240 N | 103° 25' 37.440 W |
| 4,100.0 | 12.00 | 135.70 | 4,041.0 | -416.8 | 406.8 | 537,024.62 | 820,836.72 | 32° 28' 23.091 N | 103° 25' 37.272 W |
| 4,200.0 | 12.00 | 135.70 | 4,138.8 | -431.7 | 421.3 | 537,009.74 | 820,851.24 | 32° 28' 22.943 N | 103° 25' 37.104 W |
| 4,300.0 | 12.00 | 135.70 | 4,236.6 | -446.5 | 435.8 | 536,994.86 | 820,865.76 | 32° 28' 22.794 N | 103° 25' 36.936 W |
| 4,400.0 | 12.00 | 135.70 | 4,334.4 | -461.4 | 450.3 | 536,979.98 | 820,880.28 | 32° 28' 22.646 N | 103° 25' 36.768 W |
| 4,500.0 | 12.00 | 135.70 | 4,432.3 | -476.3 | 464.9 | 536,965.10 | 820,894.80 | 32° 28' 22.497 N | 103° 25' 36.600 W |
| 4,600.0 | 12.00 | 135.70 | 4,530.1 | -491.2 | 479.4 | 536,950.22 | 820,909.33 | 32° 28' 22.349 N | 103° 25' 36.432 W |
| 4,700.0 | 12.00 | 135.70 | 4,627.9 | -506.1 | 493.9 | 536,935.34 | 820,923.85 | 32° 28' 22.200 N | 103° 25' 36.264 W |
| 4,800.0 | 12.00 | 135.70 | 4,725.7 | -520.9 | 508.4 | 536,920.47 | 820,938.37 | 32° 28' 22.052 N | 103° 25' 36.096 W |
| 4,900.0 | 12.00 | 135.70 | 4,823.5 | -535.8 | 522.9 | 536,905.59 | 820,952.89 | 32° 28' 21.904 N | 103° 25' 35.927 W |
| 5,000.0 | 12.00 | 135.70 | 4,921.3 | -550.7 | 537.5 | 536,890.71 | 820,967.41 | 32° 28' 21.755 N | 103° 25' 35.759 W |

Database: Compass_17
Company: NEW MEXICO

Project: (SP) LEA

Site: OUTLAND STATE (FORMERLY

CHOKEBERRY) PROJECT OUTLAND STATE UNIT 122H

Well: OUTLAND S
Wellbore: OWB

Wellbore: OWB

Design: PWP0

Local Co-ordinate Reference

TVD Reference:
MD Reference:
North Reference:

Well OUTLAND STATE UNIT 122H

KB @ 3682.0usft KB @ 3682.0usft

Grid

Survey Calculation Method:

| 5,200.0 12.00 135.70 5,117.0 580.5 566.5 536.860.9 820,996.48 32° 28° 21,1468 N 103° 25° 32.5 5,400.0 12.00 135.70 5,312.6 610.2 595.6 536.831.19 821,025.50 32° 28° 21,161 N 103° 25° 35.5 5,500.0 12.00 135.70 5,410.4 625.1 610.1 536.816.31 821,040.0 32° 28° 21,161 N 103° 25° 35.5 5,500.0 12.00 135.70 5,606.0 640.0 624.6 536.811.3 821,045.45 32° 28° 20.868 N 103° 25° 34.5 5,500.0 12.00 135.70 5,606.0 654.9 639.1 536,766.55 821,089.07 32° 28° 20.186 N 103° 25° 34.5 5,500.0 12.00 135.70 5,606.0 654.9 639.1 536,786.55 821,089.07 32° 28° 20.186 N 103° 25° 34.5 5,500.0 12.00 135.70 5,606.0 654.9 639.1 536,786.55 821,089.07 32° 28° 20.568 N 103° 25° 34.5 5,900.0 12.00 135.70 5,801.7 684.6 668.2 536,756.79 821,088.59 32° 28° 20.576 N 103° 25° 34.6 6,000.0 12.00 135.70 5,891.7 684.6 668.2 536,756.79 821,088.51 32° 28° 20.271 N 103° 25° 34.6 6,000.0 12.00 135.70 5,891.7 684.6 668.2 536,756.79 821,088.11 32° 28° 20.271 N 103° 25° 34.6 6,000.0 12.00 135.70 5,891.7 744.4 697.2 536,727.04 821,127.15 32° 28° 20.122 N 103° 25° 33.6 6,200.0 12.00 135.70 6,095.1 729.2 711.7 536,712.16 821,141.6 32° 28° 19.1974 N 103° 25° 33.6 6,000.0 12.00 135.70 6,095.1 729.2 711.7 526,5712.16 821,141.6 32° 28° 19.825 N 103° 25° 33.6 6,000.0 12.00 135.70 6,389.5 7.759.0 740.8 536,682.40 821,156.20 32° 28° 19.825 N 103° 25° 33.6 6,000.0 12.00 135.70 6,388.5 7.759.9 755.3 536,682.40 821,156.20 32° 28° 19.825 N 103° 25° 33.6 6,000.0 12.00 135.70 6,388.5 7.759.9 755.3 536,682.40 821,156.24 32° 28° 19.529 N 103° 25° 33.6 6,000.0 12.00 135.70 6,588.5 804.3 785.0 536,682.40 821,156.24 32° 28° 19.529 N 103° 25° 33.6 6,000.0 12.00 135.70 6,588.5 804.3 785.0 536,682.40 821,156.20 32° 28° 19.529 N 103° 25° 32.6 800.0 10.0 135.70 6,680.3 88.57 755.3 536,682.30 821,287.66 32° 28° 19.529 N 103° 25° 32.6 800.0 10.0 135.70 6,680.3 88.57 755.3 536,682.30 821,287.86 82° 19.225 N 103° 25° 32.6 800.0 10.0 10.0 135.70 6,880.3 88.70 88.80 88. | Planned Survey | | | | | | | | | |
|--|----------------|---------------|-------------------|----------|--------|---------|--------------|------------|------------------|-------------------|
| Depth Inclination Azimuth Depth +N-S +E/-W (usft) (| Magazzad | | | Vortical | | | Mon | Mon | | |
| (usft) (') (') (usft) (| | Inclination | olination Azimuth | | ±N/ Q | ±E/ \\/ | • | | | |
| 5,100.0 12.00 135.70 5,019.1 -565.6 552.0 536,875.83 820,981.93 32° 28° 21,607 N 103° 25° 35.5 5,200.0 12.00 135.70 5,214.8 5.995.3 581.0 536,860.95 820,996.48 32° 28° 21,807 N 103° 25° 35.5 5,200.0 12.00 135.70 5,214.8 5.959.3 581.0 536,860.97 820,1010.99 32° 28° 21,310 N 103° 25° 35.5 5,200.0 12.00 135.70 5,214.8 -605.1 610.1 536,861.31 821,025.0 32° 28° 21,310 N 103° 25° 35.5 5,500.0 12.00 135.70 5,410.4 -625.1 610.1 536,816.31 821,040.02 32° 28° 21.013 N 103° 25° 35.5 5,600.0 12.00 135.70 5,500.2 -640.0 624.6 538,801.43 821,045.45 43° 22° 20,716 N 103° 25° 34.5 5,600.0 12.00 135.70 5,606.0 -654.9 639.1 536,768.55 821,069.07 32° 28° 20,716 N 103° 25° 34.5 5,800.0 12.00 135.70 5,703.8 -669.7 653.6 536,756.79 821,083.59 32° 28° 20,716 N 103° 25° 34.5 5,900.0 12.00 135.70 5,801.7 -684.6 668.2 536,756.79 821,083.59 32° 28° 20,2716 N 103° 25° 34.5 6,000.0 12.00 135.70 5,809.5 -699.5 682.7 536,741.91 821,112.63 32° 28° 20,271 N 103° 25° 34.5 6,000.0 12.00 135.70 6,095.1 7.744.4 697.2 536,712.16 821,112.63 32° 28° 20,271 N 103° 25° 33.5 6,200.0 12.00 135.70 6,095.1 7.744.4 697.2 536,712.16 821,112.63 32° 28° 20,271 N 103° 25° 33.5 6,200.0 12.00 135.70 6,095.1 7.759.0 740.8 536,697.28 821,112.63 32° 28° 20,271 N 103° 25° 33.5 6,200.0 12.00 135.70 6,095.1 7.759.0 740.8 536,697.28 821,112.14 6° 32° 28° 19,974 N 103° 25° 33.5 6,000.0 12.00 135.70 6,388.5 773.9 755.3 536,697.52 821,115.20 32° 28° 19,974 N 103° 25° 33.5 6,000.0 12.00 135.70 6,388.5 773.9 755.3 536,697.52 821,112.4 93° 32° 28° 19,809 N 103° 25° 32.5 6,000.0 12.00 135.70 6,588.5 773.9 755.3 536,697.52 821,112.4 93° 32° 28° 19,809 N 103° 25° 32.5 6,000.0 12.00 135.70 6,588.5 773.9 755.3 536,697.52 821,112.4 93° 32° 28° 19,809 N 103° 25° 32.5 6,000.0 12.00 135.70 6,486.4 788.8 769.8 536,697.52 821,112.4 93° 32° 28° 19,599 N 103° 25° 32° 32° 32° 32° 32° 32° 32° 32° 32° 32 | | | | | | | - | _ | Latitude | Longitude |
| 5,200.0 12,00 135,70 5,117.0 -580.5 568.5 538,860.95 820,996.48 32° 228° 21,316 N 103° 25° 32.6 5,400.0 12,00 135,70 5,312.6 -610.2 595.6 536,831.19 821,025.50 32° 28° 21.16 N 103° 25° 32.6 5,500.0 12,00 135,70 5,410.4 -625.1 610.1 536,816.31 821,045.45 32° 28° 21.16 N 103° 25° 34.5 5,500.0 12,00 135,70 5,606.0 -684.9 639.1 536,816.31 821,064.54 32° 28° 20.868 N 103° 25° 34.5 5,800.0 12,00 135,70 5,606.0 -684.9 639.1 536,786.55 821,069.07 32° 28° 20.756 N 103° 25° 34.5 5,800.0 12,00 135,70 5,801.7 -684.6 668.2 536,756.79 821,088.11 32° 28° 20.718 N 103° 25° 34.5 6,000.0 12,00 135,70 5,897.3 -714.4 697.2 536,727.04 821,101.23 32° 28° 20.212 N 103° 25° 33.2 6,300.0 12,00 | | | | | | | | | 32° 28' 21.607 N | 103° 25' 35.591 W |
| 5,300.0 12.00 135.70 5,214.8 -595.3 581.0 536,846.07 821,010.88 32°28′21.310 N 103°25′33.2 5,500.0 12.00 135.70 5,312.6 -610.2 595.6 536,831.19 821,025.50 32°28′21.161 N 103°25′35.5 5,500.0 12.00 135.70 5,506.2 -640.0 624.6 536,801.43 821,040.02 32°28′21.013 N 103°25′35.5 5,500.0 12.00 135.70 5,506.2 -640.0 624.6 536,801.43 821,064.64 32°28′20.865 N 103°25′34.5 5,500.0 12.00 135.70 5,606.0 -684.9 639.1 536,786.55 120,609.7 12.00 135.70 5,506.2 -640.0 624.6 536,801.43 821,064.64 32°28′20.865 N 103°25′34.5 5,500.0 12.00 135.70 5,703.8 -669.7 653.6 536,771.67 821,089.39 32°28′20.568 N 103°25′34.5 6,000.0 12.00 135.70 5,801.7 684.6 682.2 536,757.67 821,083.99 32°28′20.568 N 103°25′34.6 6,000.0 12.00 135.70 5,801.7 684.6 682.2 536,757.10 821,121.63 32°28′20.271 N 103°25′34.0 6,000.0 12.00 135.70 5,997.3 -714.4 697.2 536,727.04 821,127.15 32°28′20.122 N 103°25′34.0 6,200.0 12.00 135.70 6,095.1 -729.2 711.7 596,727.04 821,127.15 32°28′19.1974 N 103°25′33.2 6,200.0 12.00 135.70 6,095.1 -729.2 711.7 536,6772.1 6 821,141.67 32°28′19.874 N 103°25′33.2 6,400.0 12.00 135.70 6,388.5 -773.9 753.3 536,687.2 8 821,156.20 32°28′19.675 N 103°25′33.2 6,500.0 12.00 135.70 6,388.5 -773.9 755.3 536,682.40 821,170.72 32°28′19.675 N 103°25′33.2 6,704.4 12.00 135.70 6,388.5 -804.3 785.0 536,682.40 821,127.71 32°28′19.599 N 103°25′33.2 6,704.4 12.00 135.70 6,588.5 -804.3 785.0 536,657.2 821,185.24 32°28′19.599 N 103°25′32.6 6,704.4 12.00 135.70 6,588.5 -804.3 785.0 536,659.2 30 821,225.3 6 32°28′19.892 N 103°25′32.6 6,900.0 12.00 135.70 6,588.5 -804.3 785.0 536,659.3 0 821,225.3 6 32°28′19.892 N 103°25′32.6 7,000.0 4.09 135.70 6,588.5 -804.3 785.0 536,659.3 0 821,225.8 6 32°28′19.892 N 103°25′32.6 7,000.0 4.09 135.70 6,588.5 -804.3 785.0 536,659.3 0 821,225.8 6 32°28′18.78 N 103°25′32.2 7,000.0 4.09 135.70 6,789.7 849.1 828.7 536,692.30 821,225.8 6 32°28′18.78 N 103°25′32.3 7,000.0 4.09 135.70 6,789.7 849.1 828.7 536,692.30 821,228.6 5 32°28′18.778 N 103°25′32.3 7,000.0 0.00 0.00 7,797.7 849.1 828.7 536,692.30 821,258.65 32°28′18.778 N 1 | | | | | | | | , | | 103° 25' 35.423 W |
| 5,500.0 12.00 135.70 5,410.4 -625.1 610.1 536.816.31 821,040.02 32° 28′ 21.013 N 103° 25′ 34.5 5,600.0 12.00 135.70 5,508.2 -640.0 624.6 536,801.43 821,054.54 32° 28′ 20,865 N 103° 25′ 34.5 5,700.0 12.00 135.70 5,508.0 -684.9 639.1 536,786.55 821,069.07 32′ 28′ 20,716 N 103° 25′ 34.5 5,900.0 12.00 135.70 5,703.8 -669.7 653.6 536,771.67 821,083.59 32′ 28′ 20,568 N 103° 25′ 34.5 5,900.0 12.00 135.70 5,801.7 -684.6 668.2 536,756.79 821,098.11 32′ 28′ 20.419 N 103° 25′ 34.6 6,000.0 12.00 135.70 5,801.7 -684.6 668.2 536,765.79 821,098.11 821,112.63 32′ 28′ 20,271 N 103° 25′ 34.2 6,200.0 12.00 135.70 5,997.3 -714.4 697.2 536,719.1 821,112.63 32′ 28′ 20,271 N 103° 25′ 34.6 6,000.0 12.00 135.70 6,095.1 -729.2 711.7 536,712.16 821,1127.15 32′ 28′ 20,271 N 103° 25′ 33.7 6,200.0 12.00 135.70 6,192.9 -744.1 726.2 536,697.28 821,156.20 32′ 28′ 19,825 N 103° 25′ 33.4 6,500.0 12.00 135.70 6,290.7 -759.0 740.8 536,682.40 821,156.20 32′ 28′ 19,825 N 103° 25′ 33.6 6,500.0 12.00 135.70 6,388.5 -773.9 755.3 536,667.52 821,185.24 32′ 28′ 19,529 N 103° 25′ 33.6 6,500.0 12.00 135.70 6,388.5 -773.9 755.3 536,667.52 821,185.24 32′ 28′ 19,529 N 103° 25′ 33.6 6,500.0 12.00 135.70 6,486.4 -788.8 769.8 536,662.40 821,227.71 32° 28′ 19,529 N 103° 25′ 33.6 6,500.0 12.00 135.70 6,588.5 -804.3 785.0 536,682.40 821,227.71 32° 28′ 19,529 N 103° 25′ 33.2 8 8 127 100.0 4.09 135.70 6,680.3 -817.4 797.8 536,662.00 821,227.71 32° 28′ 19,094 N 103° 25′ 32.6 8 127 100.0 4.09 135.70 6,680.3 -817.4 797.8 536,692.30 821,225.86 32′ 28′ 18,830 N 103° 25′ 32.6 8 127 100.0 4.09 135.70 6,788.5 -804.3 785.0 536,697.52 821,235.6 32′ 28′ 18,830 N 103° 25′ 32.6 7,700.0 0.00 1.09 135.70 6,880.3 -817.4 797.8 536,692.30 821,225.86 5 32′ 28′ 18,788 N 103° 25′ 32.7 7,700.0 1.00 0.00 7,797.7 -847.7 827.4 536,692.30 821,258.65 32′ 28′ 18,788 N 103° 25′ 32.7 7,700.0 0.00 0.00 7,797.7 -847.7 827.4 536,692.30 821,258.65 32′ 28′ 18,788 N 103° 25′ 32.7 7,700.0 0.00 0.00 7,797.7 -849.1 828.7 536,692.30 821,258.65 32′ 28′ 18,778 N 103° 25′ 32.3 8,000.0 0.00 0.00 7,797.7 -849.1 | | | | | | | | | | 103° 25' 35.255 W |
| 5,600.0 12.00 135.70 5,506.2 -640.0 624.6 536,801.43 821,054.54 32° 22° 20,865 N 103° 25° 34.4 5,800.0 12.00 135.70 5,606.0 -654.9 639.1 536,786.55 821,069.07 32° 28° 20.716 N 103° 25° 34.4 5,800.0 12.00 135.70 5,809.5 -699.5 682.7 536,741.9 821,083.59 32° 28° 20.568 N 103° 25° 34.4 6,000.0 12.00 135.70 5,809.5 -699.5 682.7 536,741.9 821,083.59 32° 28° 20.686 N 103° 25° 34.4 6,000.0 12.00 135.70 5,809.5 -699.5 682.7 536,741.9 821,127.15 32° 28° 20.419 N 103° 25° 34.4 6,100.0 12.00 135.70 6,095.1 -729.2 711.7 536,712.16 821,141.67 32° 28° 20.122 N 103° 25° 33.6 6,200.0 12.00 135.70 6,192.9 -744.1 726.2 536,697.8 821,156.20 32° 28° 19,825 N 103° 25° 33.5 6,300.0 12.00 135.70 6,192.9 -744.1 726.2 536,697.8 821,156.20 32° 28° 19,825 N 103° 25° 33.5 6,300.0 12.00 135.70 6,388.5 -773.9 755.3 536,657.5 821,156.20 32° 28° 19,825 N 103° 25° 33.5 6,500.0 12.00 135.70 6,388.5 -773.9 755.3 536,657.6 821,159.20 32° 28° 19,825 N 103° 25° 33.5 6,600.0 12.00 135.70 6,486.4 -788.8 769.8 536,652.64 821,199.76 32° 28° 19,825 N 103° 25° 33.5 6,600.0 12.00 135.70 6,486.4 -788.8 769.8 536,652.64 821,199.76 32° 28° 19,825 N 103° 25° 32.8 814 Drop 2.00 6,800.0 10.09 135.70 6,880.3 -817.4 797.8 536,697.50 821,214.92 32° 28° 19,825 N 103° 25° 32.8 7,000.0 6.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,224.92 28° 19,825 N 103° 25° 32.8 7,000.0 6.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,234.32 28° 18,928 N 103° 25° 32.8 7,000.0 0.00 10.00 135.70 6,880.3 -837.5 817.4 536,603.87 821,234.33 22° 8° 18,928 N 103° 25° 32.8 7,000.0 0.00 135.70 6,880.3 -837.5 817.4 536,603.8 821,238.74 32° 28° 18,928 N 103° 25° 32.8 7,000.0 0.00 10.00 7,787.9 -849.1 828.7 536,592.30 821,258.65 32° 28° 18,893 N 103° 25° 32.8 7,000.0 0.00 0.00 7,787.9 -849.1 828.7 536,592.30 821,258.65 32° 28° 18,893 N 103° 25° 32.3 7,000.0 0.00 0.00 7,787.9 -849.1 828.7 536,592.30 821,258.65 32° 28° 18,778 N 103° 25° 32.3 7,000.0 0.00 0.00 7,787.7 -849.1 828.7 536,592.30 821,258.65 32° 28° 18,778 N 103° 25° 32.3 8,000.0 0.00 0.00 0.00 7,787.7 -849.1 828.7 536,592.30 821,258. | | | | | | | | | | 103° 25' 35.087 W |
| 5,700.0 12.00 135.70 5,003.0 -654.9 639.1 536,786.55 821,069.07 32° 28′ 20.716 N 103° 25′ 34.2 5,800.0 12.00 135.70 5,703.8 -669.7 653.6 536,771.67 821,083.59 32° 28′ 20.568 N 103° 25′ 34.2 6,000.0 12.00 135.70 5,801.7 -684.6 668.2 536,756.79 821,098.11 32° 28′ 20.419 N 103° 25′ 34.2 6,000.0 12.00 135.70 5,891.3 -714.4 697.2 536,727.4 19 821,112.63 32° 28′ 20.271 N 103° 25′ 34.2 6,200.0 12.00 135.70 6,095.1 -729.2 711.7 536,712.16 821,141.67 32° 28′ 19.74 N 103° 25′ 33.7 6,300.0 12.00 135.70 6,095.1 -729.2 711.7 536,712.16 821,141.67 32° 28′ 19.974 N 103° 25′ 33.7 6,300.0 12.00 135.70 6,192.9 -744.1 726.2 536,697.28 821,165.20 32° 28′ 19.677 N 103° 25′ 33.4 6,500.0 12.00 135.70 6,290.7 -759.0 740.8 536,682.40 821,170.72 32° 28′ 19.677 N 103° 25′ 33.5 6,600.0 12.00 135.70 6,290.7 -759.0 740.8 536,682.40 821,170.72 32° 28′ 19.677 N 103° 25′ 33.5 6,600.0 12.00 135.70 6,885.5 -773.9 755.3 536,667.52 821,185.24 32° 28′ 19.529 N 103° 25′ 33.5 6,600.0 12.00 135.70 6,886.5 -804.3 785.0 536,637.0 821,214.97 32° 28′ 19.225 N 103° 25′ 33.2 6,600.0 12.00 135.70 6,886.5 -804.3 785.0 536,637.0 821,214.97 32° 28′ 19.225 N 103° 25′ 32.5 83.4 10.0 20.0 135.70 6,886.3 -804.3 785.0 536,637.0 821,214.97 32° 28′ 19.225 N 103° 25′ 32.5 83.4 10.0 10.0 135.70 6,886.3 -804.3 785.0 536,637.0 821,214.97 32° 28′ 19.225 N 103° 25′ 32.5 83.4 10.0 10.0 135.70 6,886.3 -837.5 817.4 797.8 536,637.0 821,227.71 32° 28′ 19.934 N 103° 25′ 32.2 8′ 19.00 10.0 135.70 6,886.3 -837.5 817.4 536,603.87 821,247.36 32° 28′ 18.893 N 103° 25′ 32.2 8′ 19.00 10.0 135.70 6,886.3 -837.5 817.4 536,603.87 821,247.36 32° 28′ 18.893 N 103° 25′ 32.2 8′ 19.00 10.0 135.70 6,886.3 -837.5 817.4 536,603.87 821,247.36 32° 28′ 18.893 N 103° 25′ 32.2 8′ 19.00 10.0 135.70 6,886.3 -837.5 817.4 536,693.0 821,225.65 32° 28′ 18.893 N 103° 25′ 32.2 8′ 19.00 0.0 0.0 0.0 0.0 7,739.7 -849.1 828.7 536,592.30 821,258.65 32° 28′ 18.878 N 103° 25′ 32.3 7.2 8′ 19.00 0.0 0.0 0.0 0.0 7,739.7 -849.1 828.7 536,592.30 821,258.65 32° 28′ 18.778 N 103° 25′ 32.3 7.2 8′ 19.00 0.0 0.0 0.0 0.0 7,797. | 5,500.0 | 12.00 | 12.00 135.70 | 5,410.4 | -625.1 | 610.1 | 536,816.31 | 821,040.02 | 32° 28' 21.013 N | 103° 25' 34.919 W |
| 5,800.0 12.00 135.70 5,703.8 -669.7 653.6 536,771.67 821,083.59 32° 28° 20,568 N 103° 25° 34.2 6,000.0 12.00 135.70 5,899.5 -699.5 682.7 536,741.91 821,112.63 32° 28° 20,271 N 103° 25° 34.2 6,000.0 12.00 135.70 5,899.5 -699.5 682.7 536,741.91 821,112.63 32° 28° 20,271 N 103° 25° 34.2 6,000.0 12.00 135.70 6,095.1 -729.2 711.7 536,712.16 821,121.63 32° 28° 20,271 N 103° 25° 33.5 6,200.0 12.00 135.70 6,095.1 -729.2 711.7 536,712.16 821,141.67 32° 28′ 29.122 N 103° 25′ 33.5 6,200.0 12.00 135.70 6,192.9 -744.1 726.2 536,697.28 821,165.20 32° 28′ 19,974 N 103° 25′ 33.5 6,400.0 12.00 135.70 6,392.9 -744.1 726.2 536,697.28 821,165.20 32° 28′ 19,974 N 103° 25′ 33.5 6,600.0 12.00 135.70 6,388.5 -773.9 755.3 536,667.52 8 821,165.20 32° 28′ 19,974 N 103° 25′ 33.2 6,600.0 12.00 135.70 6,486.4 -788.8 769.8 536,667.52 8 821,185.24 32° 28′ 19,529 N 103° 25′ 33.2 6,600.0 12.00 135.70 6,486.4 -788.8 769.8 536,667.52 8 821,185.24 32° 28′ 19,225 N 103° 25′ 33.2 6,704.4 12.00 135.70 6,588.5 -804.3 785.0 536,637.10 821,214.92 32° 28′ 19,225 N 103° 25′ 32.8 834 N 105° 25′ | 5,600.0 | 12.00 | 12.00 135.70 | 5,508.2 | -640.0 | 624.6 | 536,801.43 | 821,054.54 | 32° 28' 20.865 N | 103° 25' 34.751 W |
| 5,900.0 12.00 135.70 5,891.7 -684.6 668.2 536,766.79 821,098.11 32° 28' 20.419 N 103° 25' 34.0 6,100.0 12.00 135.70 5,899.5 -699.5 682.7 536,741.91 821,112.63 32° 28' 20.271 N 103° 25' 34.0 6,100.0 12.00 135.70 6,095.1 -774.4 697.2 536,741.91 821,127.15 32° 28' 19.974 N 103° 25' 33.5 6,200.0 12.00 135.70 6,095.1 -779.2 711.7 536,712.16 821,141.67 32° 28' 19.974 N 103° 25' 33.5 6,400.0 12.00 135.70 6,290.7 -759.0 740.8 536,682.40 821,170.72 32° 28' 19.529 N 103° 25' 33.5 6,400.0 12.00 135.70 6,388.5 -773.9 755.3 536,682.40 821,170.72 32° 28' 19.529 N 103° 25' 33.5 6,600.0 12.00 135.70 6,388.5 -773.9 755.3 536,667.52 821,185.24 82° 28' 19.529 N 103° 25' 32.8 808.0 6,704.4 12.00 135.70 6,588.5 -804.3 785.0 5 | 5,700.0 | 12.00 | 12.00 135.70 | 5,606.0 | -654.9 | 639.1 | 536,786.55 | 821,069.07 | 32° 28' 20.716 N | 103° 25' 34.583 W |
| 6,000.0 12.00 135.70 5,899.5 -699.5 682.7 536,741.91 821,112.63 32* 28* 20.221 N 103* 25* 34.0 6,100.0 12.00 135.70 6,095.1 7.729.2 711.7 536,771.21 821,141.67 32* 28* 20.122 N 103* 25* 33.5 6,200.0 12.00 135.70 6,095.1 7.729.2 711.7 536,771.21 821,141.67 32* 28* 19.974 N 103* 25* 33.5 6,400.0 12.00 135.70 6,192.9 7.744.1 726.2 536,697.28 821,165.20 32* 28* 19.825 N 103* 25* 33.5 6,400.0 12.00 135.70 6,398.5 777.9.9 755.3 536,687.28 821,156.20 32* 28* 19.825 N 103* 25* 33.5 6,600.0 12.00 135.70 6,388.5 777.9.9 755.3 536,667.52 821,185.24 32* 28* 19.577 N 103* 25* 33.5 6,600.0 12.00 135.70 6,588.5 777.9.9 755.3 536,667.52 821,185.24 32* 28* 19.529 N 103* 25* 33.5 6,704.4 12.00 135.70 6,588.5 804.3 785.0 536,637.10 821,219.9 76 32* 28* 19.225 N 103* 25* 33.5 6,704.4 12.00 135.70 6,588.5 804.3 785.0 536,637.10 821,214.92 32* 28* 19.225 N 103* 25* 32.8 821 Drop *2.00 6,800.0 10.09 135.70 6,682.3 817.4 797.8 536,624.00 821,227.71 32* 28* 19.094 N 103* 25* 32.5 821 0.00 | | 12.00 | 12.00 135.70 | 5,703.8 | | | | | 32° 28' 20.568 N | 103° 25' 34.415 W |
| 6,100.0 12.00 135.70 5,997.3 -714.4 697.2 536,727.04 821,127.15 32° 28′ 20.122 N 103° 25′ 33.8 6,200.0 12.00 135.70 6,095.1 -729.2 711.7 536,712.16 821,141.67 32′ 28′ 19.974 N 103° 25′ 33.8 6,200.0 12.00 135.70 6,192.9 -744.1 726.2 536,697.28 821,156.20 32′ 28′ 19.825 N 103° 25′ 33.8 6,400.0 12.00 135.70 6,290.7 -759.0 740.8 536,682.40 821,170.72 32° 28′ 19.825 N 103° 25′ 33.4 6,500.0 12.00 135.70 6,388.5 -773.9 755.3 536,667.52 821,185.24 32′ 28′ 19.529 N 103° 25′ 33.4 6,500.0 12.00 135.70 6,486.4 -788.8 769.8 536,682.40 821,170.72 32° 28′ 19.529 N 103° 25′ 33.4 6,704.4 12.00 135.70 6,588.5 -804.3 785.0 536,697.52 821,185.24 32′ 28′ 19.529 N 103° 25′ 33.2 88 1270 9.200 6,800.0 10.09 135.70 6,682.3 -817.4 797.8 536,697.10 821,214.92 32° 28′ 19.25 N 103° 25′ 32.8 8 127 0.00 6,800.0 10.09 135.70 6,682.3 -817.4 797.8 536,624.00 821,227.71 32′ 28′ 19.930 N 103° 25′ 32.6 7,000.0 8.09 135.70 6,781.0 -828.7 808.8 536,612.70 821,238.74 32′ 28′ 18.980 N 103° 25′ 32.6 7,000.0 8.09 135.70 6,781.0 -828.7 808.8 536,612.70 821,238.74 32′ 28′ 18.980 N 103° 25′ 32.8 7,000.0 4.09 135.70 6,979.9 -843.9 823.6 536,597.52 821,253.56 32′ 28′ 18.893 N 103° 25′ 32.4 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32′ 28′ 18.78 N 103° 25′ 32.4 7,400.0 0.00 0.00 7,184.1 -849.1 828.7 536,592.30 821,258.65 32′ 28′ 18.778 N 103° 25′ 32.3 7,400.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32′ 28′ 18.778 N 103° 25′ 32.3 7,500.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32′ 28′ 18.778 N 103° 25′ 32.3 7,500.0 0.00 0.00 7,799.7 -849.1 828.7 536,592.30 821,258.65 32′ 28′ 18.778 N 103° 25′ 32.3 7,500.0 0.00 0.00 7,799.7 -849.1 828.7 536,592.30 821,258.65 32′ 28′ 18.778 N 103° 25′ 32.3 7,500.0 0.00 0.00 7,799.7 -849.1 828.7 536,592.30 821,258.65 32′ 28′ 18.778 N 103° 25′ 32.3 7,500.0 0.00 0.00 7,799.7 -849.1 828.7 536,592.30 821,258.65 32′ 28′ 18.778 N 103° 25′ 32.3 7,500.0 0.00 0.00 0.00 7,799.7 -849.1 828.7 536,592.30 821,258.65 32′ 28′ 18.778 N 103° 25′ 32.3 7,500.0 0.00 0.00 0.00 7,799.7 -849.1 828.7 536 | | 12.00 | | | | | 536,756.79 | | | 103° 25' 34.247 W |
| 6,200.0 12.00 135.70 6,095.1 -729.2 711.7 536,712.16 821,141.67 32° 28° 19.974 N 103° 25′ 33.2 6,400.0 12.00 135.70 6,192.9 -744.1 726.2 536,697.28 821,156.20 32° 28′ 19.825 N 103° 25′ 33.2 6,400.0 12.00 135.70 6,290.7 -759.0 740.8 536,682.40 821,170.72 32° 28′ 19.825 N 103° 25′ 33.2 6,500.0 12.00 135.70 6,388.5 -773.9 755.3 536,682.40 821,170.72 32° 28′ 19.825 N 103° 25′ 33.2 6,600.0 12.00 135.70 6,486.4 -768.8 769.8 536,682.40 821,199.76 32° 28′ 19.829 N 103° 25′ 33.2 6,600.0 12.00 135.70 6,588.5 -804.3 785.0 536,682.40 821,199.76 32° 28′ 19.320 N 103° 25′ 33.2 8 | | | | | | | | | | 103° 25' 34.079 W |
| 6,300.0 12.00 135.70 6,192.9 -744.1 726.2 536,697.28 821,156.20 32° 28' 19.825 N 103° 25' 33.5 6,400.0 12.00 135.70 6,290.7 -759.0 740.8 536,682.40 821,170.72 32° 28' 19.825 N 103° 25' 33.4 6,500.0 12.00 135.70 6,385.5 -73.9 755.3 536,667.52 821,185.24 32° 28' 19.529 N 103° 25' 33.4 6,600.0 12.00 135.70 6,486.4 -788.8 769.8 536,652.64 821,199.76 32° 28' 19.380 N 103° 25' 33.6 6,704.4 12.00 135.70 6,588.5 -804.3 785.0 536,637.10 821,214.92 32° 28' 19.380 N 103° 25' 32.8 5341 Drop -2.00 Start Drop -2.00 6,800.0 10.09 135.70 6,682.3 -817.4 797.8 536,624.00 821,227.71 32° 28' 19.094 N 103° 25' 32.8 7,000.0 6.09 135.70 6,781.0 -828.7 808.8 536,612.70 821,238.74 32° 28' 18.982 N 103° 25' 32.8 7,100.0 4.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,247.36 32° 28' 18.893 N 103° 25' 32.8 7,100.0 4.09 135.70 6,800.3 -837.5 817.4 536,603.87 821,247.36 32° 28' 18.893 N 103° 25' 32.8 7,100.0 4.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.893 N 103° 25' 32.8 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.893 N 103° 25' 32.3 7,304.4 0.00 0.00 7,184.1 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,800.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,800.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,800.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 82 | | | | | | | | | | 103° 25' 33.911 W |
| 6,400.0 12.00 135.70 6,290.7 -759.0 740.8 536,682.40 821,170.72 32° 28' 19.677 N 103° 25' 33.4 6,500.0 12.00 135.70 6,388.5 -773.9 755.3 536,667.52 821,185.24 32° 28' 19.529 N 103° 25' 33.2 6,600.0 12.00 135.70 6,486.4 -788.8 769.8 536,667.52 821,189.76 32° 28' 19.529 N 103° 25' 33.0 6,600.0 12.00 135.70 6,588.5 -804.3 785.0 536,637.10 821,214.92 32° 28' 19.225 N 103° 25' 33.0 821,214.92 32° 28' 19.225 N 103° 25' 33.0 821,214.92 32° 28' 19.225 N 103° 25' 33.0 821,214.92 32° 28' 19.225 N 103° 25' 32.0 821,226 N 103° 25' 32.0 821,227.71 32° 28' 19.094 N 103° 25' 32.0 821,227.00 8.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,247.36 32° 28' 18.893 N 103° 25' 32.2 8' 7,000.0 6.09 135.70 6,899.9 -843.9 823.6 536,597.52 821,253.56 32° 28' 18.893 N 103° 25' 32.4 8' 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.778 N 103° 25' 32.3 8' 18.700.0 0.00 0.00 0.00 8,279.7 849.1 828.7 | | | | | | | | | | 103° 25' 33.743 W |
| 6,500.0 12.00 135.70 6,388.5 -773.9 755.3 536,667.52 821,185.24 32° 28' 19.529 N 103° 25' 33.2 6,600.0 12.00 135.70 6,486.4 -788.8 769.8 536,652.64 821,199.76 32° 28' 19.329 N 103° 25' 33.2 8tart Drop -2.00 Start Drop -2.00 6,800.0 10.09 135.70 6,682.3 -817.4 797.8 536,624.00 821,227.71 32° 28' 19.225 N 103° 25' 32.8 6,900.0 8.09 135.70 6,781.0 -828.7 808.8 536,612.70 821,227.71 32° 28' 18.982 N 103° 25' 32.8 7,000.0 6.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,247.36 32° 28' 18.893 N 103° 25' 32.8 7,100.0 4.09 135.70 6,979.9 -843.9 823.6 536,597.52 821,253.56 32° 28' 18.792 N 103° 25' 32.8 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,253.56 32° 28' 18.792 N 103° 25' 32.8 814258.4 hold at 7304.4 MD 7,400.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 0.00 8,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,779 | | | | | | | | | | 103° 25' 33.575 W |
| 6,600.0 12.00 135.70 6,486.4 -788.8 769.8 536,652.64 821,199.76 32° 28' 19.380 N 103° 25' 33.0 6,704.4 12.00 135.70 6,588.5 -804.3 785.0 536,637.10 821,214.92 32° 28' 19.225 N 103° 25' 32.8 Start Drop -2.00 6,800.0 10.09 135.70 6,682.3 -817.4 797.8 536,624.00 821,227.71 32° 28' 19.094 N 103° 25' 32.8 6,900.0 8.09 135.70 6,781.0 -828.7 808.8 536,612.70 821,238.74 32° 28' 18.982 N 103° 25' 32.8 7,000.0 6.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,247.36 32° 28' 18.893 N 103° 25' 32.8 7,100.0 4.09 135.70 6,979.9 -843.9 823.6 536,597.52 821,253.56 32° 28' 18.792 N 103° 25' 32.8 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.792 N 103° 25' 32.8 Start 2588.4 hold at 7304.4 MD 7,400.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 0.00 8,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' | | | | | | | | | | 103° 25' 33.407 W |
| 6,704.4 12.00 135.70 6,588.5 -804.3 785.0 536,637.10 821,214.92 32° 28' 19.225 N 103° 25' 32.8' Start Drop -2.00 6,800.0 10.09 135.70 6,682.3 -817.4 797.8 536,624.00 821,227.71 32° 28' 19.094 N 103° 25' 32.7' 6,900.0 8.09 135.70 6,781.0 -828.7 808.8 536,612.70 821,238.74 32° 28' 18.993 N 103° 25' 32.5' 7,000.0 6.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,247.36 32° 28' 18.993 N 103° 25' 32.4' 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.792 N 103° 25' 32.3' Start 2588.4 hold at 7304.4 MD 7,400.0 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3' 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 | | | | | | | | | | |
| Start Drop -2.00 6,800.0 10.09 135.70 6,682.3 -817.4 797.8 536,624.00 821,227.71 32° 28' 19.094 N 103° 25' 32.7 6,900.0 8.09 135.70 6,781.0 -828.7 808.8 536,612.70 821,238.74 32° 28' 18.982 N 103° 25' 32.7 7,000.0 6.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,253.56 32° 28' 18.893 N 103° 25' 32.4 7,100.0 4.09 135.70 6,979.9 -843.9 823.6 536,597.52 821,253.56 32° 28' 18.792 N 103° 25' 32.4 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 Start 2588.4 hold at 7304.4 MD 7,400.0 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' | | | | | | | | | | |
| 6,800.0 10.09 135.70 6,682.3 -817.4 797.8 536,624.00 821,227.71 32° 28' 19.094 N 103° 25' 32.7 6,900.0 8.09 135.70 6,781.0 -828.7 808.8 536,612.70 821,238.74 32° 28' 18.982 N 103° 25' 32.6 7,000.0 6.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,247.36 32° 28' 18.893 N 103° 25' 32.6 7,100.0 4.09 135.70 6,979.9 -843.9 823.6 536,597.52 821,253.56 32° 28' 18.893 N 103° 25' 32.4 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.792 N 103° 25' 32.4 7,304.4 0.00 0.00 7,184.1 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 \$ | | | | 0,300.5 | -004.3 | 765.0 | 556,657.10 | 021,214.92 | 32 20 19.223 N | 103 25 32.096 W |
| 6,900.0 8.09 135.70 6,781.0 -828.7 808.8 536,612.70 821,238.74 32° 28' 18.982 N 103° 25' 32.6 7,000.0 6.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,247.36 32° 28' 18.893 N 103° 25' 32.5 7,100.0 4.09 135.70 6,979.9 -843.9 823.6 536,597.52 821,253.56 32° 28' 18.892 N 103° 25' 32.4 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.792 N 103° 25' 32.4 7,304.4 0.00 0.00 7,184.1 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 Start 2588.4 hold at 7304.4 MD 7,500.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,700.0 0.00 0.00 7,579.7 -849.1 | | • | | 6 600 3 | 017.4 | 707.0 | F26 624 00 | 004 007 74 | 20° 20' 40 004 N | 102° 05' 20 740 W |
| 7,000.0 6.09 135.70 6,880.3 -837.5 817.4 536,603.87 821,247.36 32° 28' 18.893 N 103° 25' 32.5 7,100.0 4.09 135.70 6,979.9 -843.9 823.6 536,597.52 821,253.56 32° 28' 18.893 N 103° 25' 32.5 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.792 N 103° 25' 32.4 7,304.4 0.00 0.00 7,184.1 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 Start 2588.4 hold at 7304.4 MD 7,400.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,700.0 0.00 0.00 7,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,799.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.7 | | | | | | | | , | | |
| 7,100.0 4.09 135.70 6,979.9 -843.9 823.6 536,597.52 821,253.56 32° 28' 18.830 N 103° 25' 32.4 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.792 N 103° 25' 32.4 7,304.4 0.00 0.00 7,184.1 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 Start 2588.4 hold at 7304.4 MD 7,400.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,700.0 0.00 0.00 7,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 | | | | | | | | | | |
| 7,200.0 2.09 135.70 7,079.7 -847.7 827.4 536,593.66 821,257.32 32° 28' 18.792 N 103° 25' 32.4 7,304.4 0.00 0.00 7,184.1 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 Start 2588.4 hold at 7304.4 MD 7,400.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,700.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,200.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,200.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,79.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,400.0 0.00 0.00 8,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N | | | | | | | | | | |
| 7,304.4 0.00 0.00 7,184.1 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 Start 2588.4 hold at 7304.4 MD 7,400.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,700.0 0.00 0.00 7,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 <td>,</td> <td></td> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>103° 25' 32.405 W</td> | , | | | | | | | | | 103° 25' 32.405 W |
| Start 2588.4 hold at 7304.4 MD 7,400.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,700.0 0.00 0.00 7,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 <td></td> <td></td> <th></th> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>103° 25' 32.390 W</td> | | | | , | | | | | | 103° 25' 32.390 W |
| 7,400.0 0.00 0.00 7,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,700.0 0.00 0.00 7,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,100.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' | | | | ., | | | , | , | | |
| 7,500.0 0.00 0.00 7,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,600.0 0.00 0.00 7,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,700.0 0.00 0.00 7,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,200.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' | | | | 7,279.7 | -849.1 | 828.7 | 536,592.30 | 821,258.65 | 32° 28' 18.778 N | 103° 25' 32.390 W |
| 7,700.0 0.00 0.00 7,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,800.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,100.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,200.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,400.0 0.00 0.00 8,179.7 -849.1 828.7 536,592.30 821,258.65 32° 28' | 7,500.0 | 0.00 | 0.00 0.00 | 7,379.7 | -849.1 | 828.7 | 536,592.30 | 821,258.65 | | 103° 25' 32.390 W |
| 7,800.0 0.00 0.00 7,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 7,900.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,100.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,200.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,400.0 0.00 0.00 8,79.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' | 7,600.0 | 0.00 | 0.00 0.00 | 7,479.7 | -849.1 | 828.7 | 536,592.30 | 821,258.65 | 32° 28' 18.778 N | 103° 25' 32.390 W |
| 7,900.0 0.00 0.00 7,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,100.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,200.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,179.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,400.0 0.00 0.00 8,79.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' | 7,700.0 | 0.00 | 0.00 0.00 | 7,579.7 | -849.1 | 828.7 | 536,592.30 | 821,258.65 | 32° 28′ 18.778 N | 103° 25' 32.390 W |
| 8,000.0 0.00 0.00 7,879.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,100.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,200.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,179.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,400.0 0.00 0.00 8,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' | 7,800.0 | 0.00 | 0.00 0.00 | 7,679.7 | -849.1 | 828.7 | 536,592.30 | 821,258.65 | 32° 28' 18.778 N | 103° 25' 32.390 W |
| 8,100.0 0.00 0.00 7,979.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,200.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,179.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,400.0 0.00 0.00 8,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,700.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,700.0 0.00 0.00 8,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' | | | | | | | | | | 103° 25' 32.390 W |
| 8,200.0 0.00 0.00 8,079.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,300.0 0.00 0.00 8,179.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,400.0 0.00 0.00 8,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,700.0 0.00 0.00 8,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,700.0 0.00 8,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | | | | | | | | | | 103° 25' 32.390 W |
| 8,300.0 0.00 0.00 8,179.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,400.0 0.00 0.00 8,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,700.0 0.00 0.00 8,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | | | | | | | | | | 103° 25' 32.390 W |
| 8,400.0 0.00 0.00 8,279.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,700.0 0.00 0.00 8,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | | | | | | | | | | 103° 25' 32.390 W |
| 8,500.0 0.00 0.00 8,379.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,600.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,700.0 0.00 0.00 8,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,700.0 0.00 0.00 8,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | | | | | | | | , | | 103° 25' 32.390 W |
| 8,600.0 0.00 0.00 8,479.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 8,700.0 0.00 0.00 8,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | | | | | | | | | | |
| 8,700.0 0.00 0.00 8,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | | | | | | | | | | |
| | | | | | | | | | | |
| 0,000.0 0.00 0,013.1 020.1 000,002.00 02 20 10.110 10 20 02.0 | | | | | | | | | | 103° 25' 32.390 W |
| 8,900.0 0.00 0.00 8,779.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | | | | | | | | | | 103° 25' 32.390 W |
| | | | | | | | | | | 103° 25' 32.390 W |
| | | | | | | | | | | 103° 25' 32.390 W |
| | | | | | | | | | | 103° 25' 32.390 W |
| | | | | | | | | | | 103° 25' 32.390 W |
| | | | | | | | | | | 103° 25' 32.390 W |
| | | | | | | | | | | 103° 25' 32.390 W |
| | | 0.00 | | | -849.1 | | | | | 103° 25' 32.390 W |
| 9,700.0 0.00 0.00 9,579.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | 9,700.0 | 0.00 | 0.00 0.00 | 9,579.7 | -849.1 | 828.7 | 536,592.30 | 821,258.65 | 32° 28′ 18.778 N | 103° 25' 32.390 W |
| 9,800.0 0.00 0.00 9,679.7 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | 9,800.0 | 0.00 | 0.00 0.00 | 9,679.7 | -849.1 | 828.7 | 536,592.30 | 821,258.65 | 32° 28′ 18.778 N | 103° 25' 32.390 W |
| 9,892.8 0.00 0.00 9,772.5 -849.1 828.7 536,592.30 821,258.65 32° 28' 18.778 N 103° 25' 32.3 | 9,892.8 | 0.00 | 0.00 0.00 | 9,772.5 | -849.1 | 828.7 | 536,592.30 | 821,258.65 | 32° 28′ 18.778 N | 103° 25' 32.390 W |
| Start DLS 12.00 TFO 359.52 | Start DL | S 12.00 TFO 3 | 2.00 TFO 359.52 | | | | | | | |

Compass_17 Database: **NEW MEXICO** Company: (SP) LEA Project:

OUTLAND STATE (FORMERLY Site:

CHOKEBERRY) PROJECT

OUTLAND STATE UNIT 122H Well: OWB Wellbore:

PWP0 Design:

Local Co-ordinate Reference

TVD Reference: MD Reference: North Reference: Well OUTLAND STATE UNIT 122H

KB @ 3682.0usft KB @ 3682.0usft

Grid

Survey Calculation Method:

| Planned Survey | 1 | | | | | | | | |
|----------------------|-----------------|------------------|----------------------|------------------|----------------|--------------------------|--------------------------|--------------------------------------|--|
| Measured | | | Vertical | | | Мар | Мар | | |
| Depth | Inclination | Azimuth | Depth | +N/-S | +E/-W | Northing | Easting | | |
| (usft) | (°) | (°) | (usft) | (usft) | (usft) | (usft) | (usft) | Latitude | Longitude |
| 9,900.0 | | 359.52 | 9,779.7 | -849.0 | 828.7 | 536,592.36 | 821,258.65 | 32° 28' 18.779 N | 103° 25' 32.390 W |
| 9,925.0 | | 359.52 | 9,804.7 | -848.0 | 828.7 | 536,593.39 | 821,258.64 | 32° 28' 18.789 N | 103° 25' 32.390 W |
| 9,950.0 | 6.86 | 359.52 | 9,829.6 | -845.7 | 828.7 | 536,595.72 | 821,258.62 | 32° 28' 18.812 N | 103° 25' 32.390 W |
| 9,975.0 | 9.86 | 359.52 | 9,854.3 | -842.0 | 828.6 | 536,599.36 | 821,258.59 | 32° 28' 18.848 N | 103° 25' 32.390 W |
| 10,000.0 | 12.86 | 359.52 | 9,878.8 | -837.1 | 828.6 | 536,604.29 | 821,258.55 | 32° 28' 18.897 N | 103° 25' 32.390 W |
| 10,025.0 | 15.86 | 359.52 | 9,903.0 | -830.9 | 828.5 | 536,610.49 | 821,258.50 | 32° 28' 18.958 N | 103° 25' 32.390 W |
| 10,050.0 | 18.86 | 359.52 | 9,926.9 | -823.5 | 828.5 | 536,617.95 | 821,258.43 | 32° 28' 19.032 N | 103° 25' 32.390 W |
| 10,075.0 | 21.86 | 359.52 | 9,950.3 | -814.8 | 828.4 | 536,626.65 | 821,258.36 | 32° 28' 19.118 N | 103° 25' 32.390 W |
| 10,100.0 | 24.86 | 359.52 | 9,973.3 | -804.8 | 828.3 | 536,636.56 | 821,258.28 | 32° 28′ 19.216 N | 103° 25' 32.390 W |
| 10,125.0 | 27.86 | 359.52 | 9,995.7 | -793.7 | 828.2 | 536,647.66 | 821,258.19 | 32° 28′ 19.326 N | 103° 25' 32.390 W |
| 10,150.0 | 30.86 | 359.52 | 10,017.4 | -781.5 | 828.1 | 536,659.92 | 821,258.09 | 32° 28′ 19.447 N | 103° 25' 32.390 W |
| 10,175.0 | 33.86 | 359.52 | 10,038.6 | -768.1 | 828.0 | 536,673.30 | 821,257.97 | 32° 28′ 19.580 N | 103° 25' 32.390 W |
| 10,200.0 | 36.86 | 359.52 | 10,058.9 | -753.6 | 827.9 | 536,687.76 | 821,257.85 | 32° 28' 19.723 N | 103° 25' 32.390 W |
| 10,225.0 | | 359.52 | 10,078.5 | -738.1 | 827.8 | 536,703.28 | 821,257.72 | 32° 28' 19.876 N | 103° 25' 32.390 W |
| 10,250.0 | 42.86 | 359.52 | 10,097.3 | -721.6 | 827.6 | 536,719.80 | 821,257.59 | 32° 28' 20.040 N | 103° 25' 32.389 W |
| 10,275.0 | | 359.52 | 10,115.2 | -704.1 | 827.5 | 536,737.27 | 821,257.44 | 32° 28′ 20.213 N | 103° 25' 32.389 W |
| 10,300.0 | | 359.52 | 10,132.1 | -685.7 | 827.3 | 536,755.66 | 821,257.29 | 32° 28′ 20.395 N | 103° 25' 32.389 W |
| 10,325.0 | | 359.52 | 10,148.1 | -666.5 | 827.2 | 536,774.91 | 821,257.13 | 32° 28′ 20.585 N | 103° 25' 32.389 W |
| 10,350.0 | | 359.52 | 10,163.0 | -646.4 | 827.0 | 536,794.97 | 821,256.96 | 32° 28' 20.784 N | 103° 25' 32.389 W |
| 10,375.0 | | 359.52 | 10,176.8 | -625.6 | 826.8 | 536,815.78 | 821,256.79 | 32° 28' 20.990 N | 103° 25' 32.389 W |
| 10,400.0 | | 359.52 | 10,189.6 | -604.1 | 826.7 | 536,837.29 | 821,256.61 | 32° 28' 21.202 N | 103° 25' 32.389 W |
| 10,425.0 | | 359.52 | 10,201.1 | -582.0 | 826.5 | 536,859.44 | 821,256.42 | 32° 28' 21.421 N | 103° 25' 32.389 W |
| 10,450.0 | | 359.52 | 10,211.6 | -559.2 | 826.3 | 536,882.16 | 821,256.24 | 32° 28' 21.646 N | 103° 25' 32.389 W |
| 10,475.0 | | 359.52 | 10,220.8 | -536.0 | 826.1 | 536,905.39 | 821,256.04 | 32° 28' 21.876 N | 103° 25' 32.389 W |
| 10,500.0 | | 359.52 | 10,228.8 | -512.3 | 825.9 | 536,929.08 | 821,255.85 | 32° 28' 22.111 N | 103° 25' 32.389 W |
| 10,525.0 | | 359.52 | 10,235.5 | -488.3 | 825.7 | 536,953.15 | 821,255.64 | 32° 28' 22.349 N | 103° 25' 32.389 W |
| 10,550.0 | | 359.52 | 10,241.0 | -463.9 | 825.5 | 536,977.54 | 821,255.44 | 32° 28' 22.590 N | 103° 25' 32.389 W |
| 10,575.0 | | 359.52 | 10,245.2 | -439.2 | 825.3 | 537,002.18 | 821,255.24 | 32° 28' 22.834 N | 103° 25' 32.389 W |
| 10,600.0 | | 359.52 | 10,248.0 | -414.4 | 825.1 | 537,027.01 | 821,255.03 | 32° 28' 23.080 N | 103° 25' 32.389 W |
| 10,625.0 | | 359.52 | 10,249.6 | -389.4 | 824.9 | 537,051.96 | 821,254.82 | 32° 28' 23.326 N | 103° 25' 32.389 W |
| 10,642.8 | 90.00 | 359.52 | 10,250.0 | -371.7 | 824.7 | 537,069.75 | 821,254.67 | 32° 28' 23.503 N | 103° 25' 32.389 W |
| | 46.8 hold at 10 | | 40.050.0 | 244.5 | 824.3 | F07 400 0F | 004.054.00 | 20° 201 24 000 N | 400° 051 00 000 W |
| 10,700.0 | 90.00 90.00 | 359.52 359.52 | 10,250.0 | -314.5 -214.5 | 823.4 | 537,126.95 | 821,254.20 | 32° 28' 24.069 N | 103° 25' 32.389 W 103° 25' 32.388 W |
| 10,800.0 10,900.0 | | 359.52 | 10,250.0 10,250.0 | -214.5 -114.5 | 822.6 | 537,226.95 537,326.94 | 821,253.37 821,252.53 | 32° 28' 25.058 N 32° 28' 26.048 N | 103° 25' 32.388 W |
| 11,000.0 | | 359.52 359.52 | 10,250.0 | -114.5 -14.5 | 822.6 821.8 | 537,326.94 | 821,252.53 821,251.70 | 32° 28' 27.037 N | 103° 25' 32.388 W |
| 11,100.0 | | 359.52 | 10,250.0 | -14.5 85.5 | 820.9 | 537,526.94 | 821,250.87 | 32° 28' 28.026 N | 103° 25' 32.388 W |
| 11,100.0 | 90.00 | 359.52 | 10,250.0 | 185.5 | 820.9 | 537,626.93 | 821,250.04 | 32° 28' 29.016 N | 103° 25' 32.388 W |
| 11,300.0 | | 359.52 | 10,250.0 | 285.5 | 819.3 | 537,726.93 | 821,249.20 | 32° 28' 30.005 N | 103° 25' 32.387 W |
| 11,400.0 | 90.00 | 359.52 | 10,250.0 | 385.5 | 818.4 | 537,826.93 | 821,248.37 | 32° 28' 30.995 N | 103° 25' 32.387 W |
| 11,500.0 | 90.00 | 359.52 | 10,250.0 | 485.5 | 817.6 | 537,926.92 | 821,247.54 | 32° 28' 31.984 N | 103° 25' 32.387 W |
| 11,600.0 | | 359.52 | 10,250.0 | 585.5 | 816.8 | 538,026.92 | 821,246.71 | 32° 28' 32.974 N | 103° 25' 32.387 W |
| 11,700.0 | | 359.52 | 10,250.0 | 685.5 | 815.9 | 538,126.92 | 821,245.88 | 32° 28' 33.963 N | 103° 25' 32.386 W |
| 11,800.0 | | 359.52 | 10,250.0 | 785.5 | 815.1 | 538,226.91 | 821,245.04 | 32° 28' 34.953 N | 103° 25' 32.386 W |
| 11,900.0 | | 359.52 | 10,250.0 | 885.5 | 814.3 | 538,326.91 | 821,244.21 | 32° 28' 35.942 N | 103° 25' 32.386 W |
| 12,000.0 | | 359.52 | 10,250.0 | 985.5 | 813.4 | 538,426.91 | 821,243.38 | 32° 28' 36.932 N | 103° 25' 32.386 W |
| 12,100.0 | | 359.52 | 10,250.0 | 1,085.5 | 812.6 | 538,526.90 | 821,242.55 | 32° 28' 37.921 N | 103° 25' 32.386 W |
| 12,200.0 | | 359.52 | 10,250.0 | 1,185.5 | 811.8 | 538,626.90 | 821,241.71 | 32° 28' 38.911 N | 103° 25' 32.385 W |
| 12,300.0 | | 359.52 | 10,250.0 | 1,285.5 | 810.9 | 538,726.90 | 821,240.88 | 32° 28' 39.900 N | 103° 25' 32.385 W |
| 12,400.0 | 90.00 | 359.52 | 10,250.0 | 1,385.5 | 810.1 | 538,826.89 | 821,240.05 | 32° 28' 40.890 N | 103° 25' 32.385 W |
| 12,500.0 | | 359.52 | 10,250.0 | 1,485.5 | 809.3 | 538,926.89 | 821,239.22 | 32° 28' 41.879 N | 103° 25' 32.385 W |
| 12,600.0 | | 359.52 | 10,250.0 | 1,585.5 | 808.4 | 539,026.89 | 821,238.38 | 32° 28' 42.869 N | 103° 25' 32.385 W |
| 12,700.0 | 90.00 | 359.52 | 10,250.0 | 1,685.5 | 807.6 | 539,126.88 | 821,237.55 | 32° 28' 43.858 N | 103° 25' 32.384 W |
| | | | | · · | | | • | | |

Database: Compass_17
Company: NEW MEXICO
Project: (SP) LEA

Project: (SP) LEA
Site: OUTLAND

: OUTLAND STATE (FORMERLY CHOKEBERRY) PROJECT

OUTLAND STATE UNIT 122H

Wellbore: OWB
Design: PWP0

Well:

Local Co-ordinate Reference

TVD Reference:
MD Reference:
North Reference:

Well OUTLAND STATE UNIT 122H

KB @ 3682.0usft KB @ 3682.0usft

Grid

Survey Calculation Method:

| Planned S | urvey | | | | | | | | |
|-----------|----------------------------|---------|----------------------|--------------------|----------------|--------------------------|--------------------------|--------------------------------------|--|
| Measu | red | | Vertical | | | Мар | Мар | | |
| Dept | | Azimuth | Depth | +N/-S | +E/-W | Northing | Easting | | |
| (usf | t) (°) | (°) | (usft) | (usft) | (usft) | (usft) | (usft) | Latitude | Longitude |
| 12,8 | 300.0 90.00 | 359.52 | 10,250.0 | 1,785.5 | 806.8 | 539,226.88 | 821,236.72 | 32° 28' 44.848 N | 103° 25' 32.384 W |
| 12,9 | 900.0 90.00 | 359.52 | 10,250.0 | 1,885.5 | 805.9 | 539,326.87 | 821,235.89 | 32° 28' 45.837 N | 103° 25' 32.384 W |
| 13,0 | 000.0 90.00 | | 10,250.0 | 1,985.5 | 805.1 | 539,426.87 | 821,235.06 | 32° 28' 46.827 N | 103° 25' 32.384 W |
| | 100.0 90.00 | | 10,250.0 | 2,085.5 | 804.3 | 539,526.87 | 821,234.22 | 32° 28' 47.816 N | 103° 25' 32.383 W |
| - | 200.0 90.00 | | 10,250.0 | 2,185.5 | 803.4 | 539,626.86 | 821,233.39 | 32° 28′ 48.805 N | 103° 25' 32.383 W |
| | 300.0 90.00 | | 10,250.0 | 2,285.5 | 802.6 | 539,726.86 | 821,232.56 | 32° 28' 49.795 N | 103° 25' 32.383 W |
| | 400.0 90.00 | | 10,250.0 | 2,385.5 | 801.8 | 539,826.86 | 821,231.73 | 32° 28' 50.784 N | 103° 25' 32.383 W |
| | 500.0 90.00 | | 10,250.0 | 2,485.5 | 800.9 | 539,926.85 | 821,230.89 | 32° 28' 51.774 N | 103° 25' 32.383 W 103° 25' 32.382 W |
| | 600.0 90.00 700.0 90.00 | | 10,250.0 10,250.0 | 2,585.4 2,685.4 | 800.1 799.3 | 540,026.85 540,126.85 | 821,230.06 821,229.23 | 32° 28' 52.763 N 32° 28' 53.753 N | 103° 25' 32.382 W |
| | 300.0 90.00 300.0 90.00 | | 10,250.0 | 2,785.4 | 799.3 798.4 | 540,126.83 | 821,228.40 | 32° 28' 54.742 N | 103° 25' 32.382 W |
| | 900.0 90.00 | | 10,250.0 | 2,885.4 | 797.6 | 540,326.84 | 821,227.57 | 32° 28' 55.732 N | 103° 25' 32.382 W |
| | 000.0 90.00 | | 10,250.0 | 2,985.4 | 796.8 | 540,426.84 | 821,226.73 | 32° 28' 56.721 N | 103° 25' 32.382 W |
| | 087.0 90.00 | | 10,250.0 | 3,072.4 | 796.1 | 540,513.81 | 821,226.01 | 32° 28' 57.582 N | 103° 25' 32.381 W |
| | 68070010 Exit at 1 | | ,200.0 | -,0.2.1 | | - 12,0 10.01 | , | | |
| | 100.0 90.00 | | 10,250.0 | 3,085.4 | 796.0 | 540,526.83 | 821,225.90 | 32° 28' 57.711 N | 103° 25' 32.381 W |
| 14,2 | 200.0 90.00 | 359.52 | 10,250.0 | 3,185.4 | 795.1 | 540,626.83 | 821,225.07 | 32° 28' 58.700 N | 103° 25' 32.381 W |
| 14,3 | 300.0 90.00 | 359.52 | 10,250.0 | 3,285.4 | 794.3 | 540,726.83 | 821,224.24 | 32° 28' 59.690 N | 103° 25' 32.381 W |
| 14,4 | 400.0 90.00 | 359.52 | 10,250.0 | 3,385.4 | 793.5 | 540,826.82 | 821,223.40 | 32° 29' 0.679 N | 103° 25' 32.381 W |
| 14,5 | 500.0 90.00 | 359.52 | 10,250.0 | 3,485.4 | 792.6 | 540,926.82 | 821,222.57 | 32° 29′ 1.669 N | 103° 25' 32.380 W |
| | 90.00 | | 10,250.0 | 3,585.4 | 791.8 | 541,026.82 | 821,221.74 | 32° 29' 2.658 N | 103° 25' 32.380 W |
| - | 700.0 90.00 | | 10,250.0 | 3,685.4 | 791.0 | 541,126.81 | 821,220.91 | 32° 29′ 3.648 N | 103° 25' 32.380 W |
| - | 300.0 90.00 | | 10,250.0 | 3,785.4 | 790.1 | 541,226.81 | 821,220.07 | 32° 29' 4.637 N | 103° 25' 32.380 W |
| - | 900.0 90.00 | | 10,250.0 | 3,885.4 | 789.3 | 541,326.81 | 821,219.24 | 32° 29' 5.627 N | 103° 25' 32.380 W |
| - | 000.0 90.00 | | 10,250.0 | 3,985.4 | 788.5 | 541,426.80 | 821,218.41 | 32° 29' 6.616 N | 103° 25' 32.379 W |
| - | 100.0 90.00 | | 10,250.0 | 4,085.4 | 787.6 | 541,526.80 | 821,217.58 | 32° 29' 7.606 N | 103° 25' 32.379 W |
| | 200.0 90.00 300.0 90.00 | | 10,250.0 10,250.0 | 4,185.4 4,285.4 | 786.8 786.0 | 541,626.80 541,726.79 | 821,216.75 821,215.91 | 32° 29' 8.595 N 32° 29' 9.585 N | 103° 25' 32.379 W 103° 25' 32.379 W |
| - | 400.0 90.00 | | 10,250.0 | 4,285.4 | 785.1 | 541,826.79 | 821,215.91 | 32° 29' 10.574 N | 103° 25' 32.378 W |
| - | 407.0 90.00 | | 10,250.0 | 4,392.4 | 785.1 | 541,833.76 | 821,215.02 | 32° 29' 10.643 N | 103° 25' 32.378 W |
| | 85870001 Exit at 1 | | 10,200.0 | 1,002.1 | 700.1 | 011,000.10 | 021,210.02 | 02 20 10.01011 | 100 20 02.070 11 |
| | 500.0 90.00 | | 10,250.0 | 4,485.4 | 784.3 | 541,926.78 | 821,214.25 | 32° 29' 11.563 N | 103° 25' 32.378 W |
| - | 500.0 90.00 | | 10,250.0 | 4,585.4 | 783.5 | 542,026.78 | 821,213.42 | 32° 29' 12.553 N | 103° 25' 32.378 W |
| - | 700.0 90.00 | | 10,250.0 | 4,685.4 | 782.6 | 542,126.78 | 821,212.58 | 32° 29' 13.542 N | 103° 25' 32.378 W |
| 15,8 | 300.0 90.00 | 359.52 | 10,250.0 | 4,785.4 | 781.8 | 542,226.77 | 821,211.75 | 32° 29' 14.532 N | 103° 25' 32.378 W |
| 15,9 | 900.0 90.00 | 359.52 | 10,250.0 | 4,885.4 | 781.0 | 542,326.77 | 821,210.92 | 32° 29' 15.521 N | 103° 25' 32.377 W |
| 16,0 | 000.0 90.00 | | 10,250.0 | 4,985.4 | 780.1 | 542,426.77 | 821,210.09 | 32° 29′ 16.511 N | 103° 25' 32.377 W |
| | 100.0 90.00 | | 10,250.0 | 5,085.4 | 779.3 | 542,526.76 | 821,209.25 | 32° 29' 17.500 N | 103° 25' 32.377 W |
| | 200.0 90.00 | | 10,250.0 | 5,185.4 | 778.5 | 542,626.76 | 821,208.42 | 32° 29′ 18.490 N | 103° 25' 32.377 W |
| | 300.0 90.00 | | 10,250.0 | 5,285.4 | 777.6 | 542,726.76 | 821,207.59 | 32° 29' 19.479 N | 103° 25' 32.377 W |
| | 400.0 90.00 | | 10,250.0 | 5,385.4 | 776.8 | 542,826.75 | 821,206.76 | 32° 29' 20.469 N | 103° 25' 32.376 W |
| | 500.0 90.00 | | 10,250.0 | 5,485.3 | 776.0 | 542,926.75 | 821,205.93 | 32° 29' 21.458 N | 103° 25' 32.376 W |
| | 600.0 90.00 | | 10,250.0 | 5,585.3 | 775.1 | 543,026.75 | 821,205.09 | 32° 29' 22.448 N | 103° 25' 32.376 W |
| 1 | 700.0 90.00 300.0 90.00 | | 10,250.0 10,250.0 | 5,685.3 5,785.3 | 774.3 773.5 | 543,126.74 543,226.74 | 821,204.26 821,203.43 | 32° 29' 23.437 N 32° 29' 24.427 N | 103° 25' 32.376 W 103° 25' 32.375 W |
| | 900.0 90.00 | | 10,250.0 | 5,785.3 5,885.3 | 773.5 772.6 | 543,226.74 543,326.74 | 821,203.43 821,202.60 | 32° 29' 25.416 N | 103° 25' 32.375 W |
| | 90.00 | | 10,250.0 | 5,985.3 | 772.0 771.8 | 543,426.73 | 821,202.00 | 32° 29' 26.406 N | 103° 25' 32.375 W |
| | 100.0 90.00 | | 10,250.0 | 6,085.3 | 771.0 | 543,526.73 | 821,200.93 | 32° 29' 27.395 N | 103° 25' 32.375 W |
| | 200.0 90.00 | | 10,250.0 | 6,185.3 | 770.2 | 543,626.73 | 821,200.10 | 32° 29' 28.385 N | 103° 25' 32.375 W |
| | 300.0 90.00 | | 10,250.0 | 6,285.3 | 769.3 | 543,726.72 | 821,199.27 | 32° 29' 29.374 N | 103° 25' 32.374 W |
| | 400.0 90.00 | | 10,250.0 | 6,385.3 | 768.5 | 543,826.72 | 821,198.44 | 32° 29' 30.364 N | 103° 25' 32.374 W |
| | 500.0 90.00 | | 10,250.0 | 6,485.3 | 767.7 | 543,926.72 | 821,197.60 | 32° 29' 31.353 N | 103° 25' 32.374 W |
| 17,6 | 90.00 | | 10,250.0 | 6,585.3 | 766.8 | 544,026.71 | 821,196.77 | 32° 29′ 32.342 N | 103° 25' 32.374 W |

Database: Compass_17
Company: NEW MEXICO
Project: (SP) LEA

Site: OUTLAND STATE (FORMERLY

CHOKEBERRY) PROJECT

Well: OUTLAND STATE UNIT 122H
Wellbore: OWB

Wellbore: OWB
Design: PWP0

Local Co-ordinate Reference

TVD Reference:
MD Reference:
North Reference:

Well OUTLAND STATE UNIT 122H

KB @ 3682.0usft KB @ 3682.0usft

Grid

Survey Calculation Method:

| ned Survey | | | | | | | | | |
|-----------------------------|-------------------------|----------------|-----------------------------|--------------------|-----------------|---------------------------|--------------------------|------------------|----------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
| 17,700.0 | 90.00 | 359.52 | 10,250.0 | 6,685.3 | 766.0 | 544,126.71 | 821,195.94 | 32° 29' 33.332 N | 103° 25' 32.3 |
| 17,700.0 | 90.00 | 359.52 | 10,250.0 | 6,785.3 | 765.2 | 544,226.71 | 821,195.11 | 32° 29' 34.321 N | 103° 25' 32.3' |
| 17,800.0 | 90.00 | 359.52 | 10,250.0 | 6,885.3 | 764.3 | 544,326.70 | 821,194.27 | 32° 29' 35.311 N | 103° 25' 32.3 |
| 18,000.0 | 90.00 | 359.52 | 10,250.0 | 6,985.3 | 764.5 763.5 | 544,426.70 | 821,193.44 | 32° 29' 36.300 N | 103° 25' 32.3 |
| 18,100.0 | 90.00 | 359.52 | 10,250.0 | 7,085.3 | 763.3 762.7 | 544,526.69 | 821,192.61 | 32° 29' 37.290 N | 103° 25' 32.3 |
| 18,200.0 | 90.00 | 359.52 | 10,250.0 | 7,085.3 | 761.8 | 544,626.69 | 821,191.78 | 32° 29' 38.279 N | 103° 25' 32.3 |
| 18,300.0 | 90.00 | 359.52 | 10,250.0 | 7,185.3 | 761.0 | 544,726.69 | 821,190.94 | 32° 29' 39.269 N | 103° 25' 32.3 |
| 18,400.0 | 90.00 | 359.52 | 10,250.0 | 7,385.3 | 760.2 | 544,826.68 | 821,190.11 | 32° 29' 40.258 N | 103° 25' 32.3 |
| 18,500.0 | 90.00 | 359.52 | 10,250.0 | 7,485.3 | 759.3 | 544,926.68 | 821,189.28 | 32° 29' 41.248 N | 103° 25' 32.3 |
| 18,600.0 | 90.00 | 359.52 | 10,250.0 | 7,585.3 | 758.5 | 545,026.68 | 821,188.45 | 32° 29' 42.237 N | 103° 25' 32.3 |
| 18,700.0 | 90.00 | 359.52 | 10,250.0 | 7,685.3 | 750.5 757.7 | 545,126.67 | 821,187.62 | 32° 29' 43.227 N | 103° 25' 32.3 |
| 18,800.0 | 90.00 | 359.52 | 10,250.0 | 7,785.3 | 756.8 | 545,226.67 | 821,186.78 | 32° 29' 44.216 N | 103° 25' 32.3 |
| 18,900.0 | 90.00 | 359.52 | 10,250.0 | 7,785.3 | 756.0 | 545,326.67 | 821,185.95 | 32° 29' 45.206 N | 103° 25' 32.3 |
| 19,000.0 | 90.00 | 359.52 | 10,250.0 | 7,985.3 | 755.2 | 545,426.66 | 821,185.12 | 32° 29' 46.195 N | 103° 25' 32.3 |
| 19,100.0 | 90.00 | 359.52 | 10,250.0 | 8,085.3 | 753.2 754.3 | 545,526.66 | 821,184.29 | 32° 29' 47.185 N | 103° 25' 32.3 |
| 19,200.0 | 90.00 | 359.52 | 10,250.0 | 8,185.3 | 754.5 753.5 | 545,626.66 | 821,183.45 | 32° 29' 48.174 N | 103° 25' 32.3 |
| 19,300.0 | 90.00 | 359.52 | 10,250.0 | 8,285.3 | 753.5 752.7 | 545,726.65 | 821,182.62 | 32° 29' 49.164 N | 103° 25' 32.3 |
| 19,369.0 | 90.00 | 359.52 | 10,250.0 | 8,354.2 | 752.1 | 545,795.61 | 821,182.05 | 32° 29' 49.846 N | 103° 25' 32.3 |
| | 00.00 005 Exit at 19 | | 10,230.0 | 0,554.2 | 702.1 | 343,733.01 | 021,102.00 | 32 29 49.040 N | 100 20 02.0 |
| 19,400.0 | 90.00 | 359.52 | 10,250.0 | 8,385.2 | 751.8 | 545,826.65 | 821,181.79 | 32° 29' 50.153 N | 103° 25' 32.3 |
| 19,500.0 | 90.00 | 359.52 | 10,250.0 | 8,485.2 | 751.0 751.0 | 545,926.65 | 821,180.96 | 32° 29' 51.142 N | 103° 25' 32.3 |
| 19,600.0 | 90.00 | 359.52 | 10,250.0 | 8,585.2 | 751.0 750.2 | 546,026.64 | 821,180.13 | 32° 29' 52.132 N | 103° 25' 32.3 |
| 19,700.0 | 90.00 | 359.52 | 10,250.0 | 8,685.2 | 749.3 | 546,026.64 | 821,179.29 | 32° 29' 53.121 N | 103° 25' 32.3 |
| 19,700.0 | 90.00 | 359.52 | 10,250.0 | 8,785.2 | 749.5 748.5 | 546,226.64 | 821,178.46 | 32° 29' 54.111 N | 103° 25' 32.3 |
| 19,900.0 | 90.00 | 359.52 | 10,250.0 | 8,885.2 | 740.3 747.7 | 546,326.63 | 821.177.63 | 32° 29' 55.100 N | 103° 25' 32.3 |
| 20,000.0 | 90.00 | 359.52 | 10,250.0 | 8,985.2 | 746.8 | 546,426.63 | 821,176.80 | 32° 29' 56.090 N | 103° 25' 32.3 |
| 20,000.0 | 90.00 | 359.52 | 10,250.0 | 9,085.2 | 746.0 | 546,526.63 | 821,175.96 | 32° 29' 57.079 N | 103° 25' 32.3 |
| 20,100.0 | 90.00 | 359.52 | 10,250.0 | 9,085.2 | 746.0 745.2 | 546,626.62 | 821,175.13 | 32° 29' 58.069 N | 103° 25' 32.3 |
| 20,200.0 | 90.00 | 359.52 | 10,250.0 | 9,165.2 | 745.2 744.4 | 546,726.62 | 821,175.13 821,174.30 | 32° 29' 59.058 N | 103° 25' 32.3 |
| 20,300.0 | 90.00 | 359.52 | 10,250.0 | 9,265.2 | 744.4 743.5 | 546,726.62 | 821,174.30 821,173.47 | 32° 30' 0.048 N | 103° 25' 32.3 |
| 20,400.0 | 90.00 | 359.52 | 10,250.0 | 9,365.2 9,485.2 | 743.5 742.7 | 546,926.61 | 821,173.47 821,172.63 | 32° 30' 1.037 N | 103° 25' 32.3 |
| 20,500.0 | 90.00 | 359.52 | 10,250.0 | 9,465.2 9,574.8 | 742.7 741.9 | 547,016.25 | 821,172.83 821,171.89 | 32° 30′ 1.924 N | 103° 25' 32.3 |

| 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 |
| FTP -OUTLAND STU 12 - plan misses target - Point | | 0.00 .8usft at 103 | 10,250.0 00.0usft MD | -789.1 (10132.1 TVD | 828.7), -685.7 N, 82 | 536,652.32 27.3 E) | 821,258.65 | 32° 28′ 19.372 N | 103° 25' 32.384 W |
| BHL-OUTLAND STU 12 - plan hits target cen - Point | 0.00 ter | 0.00 | 10,250.0 | 9,574.8 | 741.9 | 547,016.25 | 821,171.89 | 32° 30' 1.924 N | 103° 25' 32.367 W |

Database: Compass_17
Company: NEW MEXICO
Project: (SP) LEA

Site: OUTLAND STATE (FORMERLY

CHOKEBERRY) PROJECT OUTLAND STATE UNIT 122H

Wellbore: OWB
Design: PWP0

Well:

Local Co-ordinate Reference

TVD Reference: MD Reference: North Reference: Well OUTLAND STATE UNIT 122H

KB @ 3682.0usft KB @ 3682.0usft

Grid

Survey Calculation Method:

| n Annotations | | | | | |
|---------------|----------|------------|---------|---------------------------------|--|
| Measured | Vertical | Local Coor | dinates | | |
| Depth | Depth | +N/-S | +E/-W | | |
| (usft) | (usft) | (usft) | (usft) | Comment | |
| 1,000.0 | 1,000.0 | 0.0 | 0.0 | Start Build 2.00 | |
| 1,600.0 | 1,595.6 | -44.8 | 43.7 | Start 5104.4 hold at 1600.0 MD | |
| 6,704.4 | 6,588.5 | -804.3 | 785.0 | Start Drop -2.00 | |
| 7,304.4 | 7,184.1 | -849.1 | 828.7 | Start 2588.4 hold at 7304.4 MD | |
| 9,892.8 | 9,772.5 | -849.1 | 828.7 | Start DLS 12.00 TFO 359.52 | |
| 10,642.8 | 10,250.0 | -371.7 | 824.7 | Start 9946.8 hold at 10642.8 MD | |
| 14,087.0 | 10,250.0 | 3,072.4 | 796.1 | B068070010 Exit at 14087.0 MD | |
| 15,407.0 | 10,250.0 | 4,392.4 | 785.1 | E085870001 Exit at 15407.0 MD | |
| 19,369.0 | 10,250.0 | 8,354.2 | 752.1 | V046410005 Exit at 19369.0 MD | |
| 20,589.6 | 10,250.0 | 9,574.8 | 741.9 | TD at 20589.6 | |

State of New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

| I. Operator: <u>Earthstone Op</u> | erating, LLC | OGRID: <u>331165</u> | Date: 5/2/2024 | |
|--|----------------------|---------------------------|---------------------------------|----------|
| II. Type: ☑ Original ☐ Ame If Other, please describe: | ndment due to □ 19.1 | 15.27.9.D(6)(a) NMAC □ 19 | 0.15.27.9.D(6)(b) NMAC □ Other. | <u>.</u> |

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| | Well Name | API | ULSTR | Footogos | Anticipated Oil | Anticipated Gas | Anticipated Prod Water |
|---|-------------------------|-----|--------------|----------------------|--------------------|--------------------|---------------------------|
| H | | API | OFSIK | Footages | | | |
| L | Outland State Unit 121H | | M-13-21S-34E | 897' FSL – 1125' FWL | 1500 BOPD | 1900 MCFD | 4900 BWPD |
| | Outland State Unit 122H | | M-13-21S-34E | 897' FSL – 1158' FWL | 1500 BOPD | 1900 MCFD | 4900 BWPD |
| | Outland State Unit 131H | | M-13-21S-34E | 897' FSL – 1059' FWL | 1700 BOPD | 2100 MCFD | 2500 BWPD |
| | Outland State Unit 132H | | M-13-21S-34E | 897' FSL – 1092' FWL | 1700 BOPD | 2100 MCFD | 2500 BWPD |

IV. Central Delivery Point Name: Outland State Unit SWSW 13CTB [See 19.15.27.9(D)(1)NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or recompleted from a single well pad or connected to a central delivery point.

| | | | | Completion | | |
|-------------------------|-----|-----------|------------|--------------|---------------------|------------------|
| | | | TD Reached | Commencement | Initial Flow | First Production |
| Well Name | API | Spud Date | Date | Date | Back Date | Date |
| Outland State Unit 121H | | 7/5/2024 | 7/22/2024 | 9/18/2024 | 10/22/2024 | 10/22/2024 |
| Outland State Unit 122H | | 7/22/2024 | 8/8/2024 | 9/18/2024 | 10/22/2024 | 10/22/2024 |
| Outland State Unit 131H | | 8/9/2024 | 8/22/2024 | 9/18/2024 | 10/22/2024 | 10/22/2024 |
| Outland State Unit 132H | | 8/22/2024 | 9/5/2024 | 9/18/2024 | 10/22/2024 | 10/22/2024 |

- VI. Separation Equipment: ✓ Attach a complete description of how Operator will seize separation equipment to optimize gas capture.
- VII. Operations Practices: ☑ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.
- VIII. Best Management Practices: ☑ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

Effective April 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

□ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

| Well Name | АРІ | Anticipated Average Natural Gas Rate | Anticipated Volume of Natural Gas for the First Year |
|-------------------------|-----|---|---|
| Outland State Unit 121H | | 1100 MCFD | 394,000 MCF |
| Outland State Unit 122H | | 1100 MCFD | 394,000 MCF |
| Outland State Unit 131H | | 550 MCFD | 195,000 MCF |
| Outland State Unit 132H | | 550 MCFD | 195,000 MCF |

X. Natural Gas Gathering System (NGGS):

| Operator | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Available Volume of Natural Gas for the First Year |
|----------|------------------|-----------------|----------------------------------|---|
| | Targa-Versado | | | |
| Targa | Gathering System | N-8-22S-35E | 10/22/2024 | 40 MMSCFD |

XI. Map. ✓ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas system(s) to which the well(s) will be connected.

XII. Line Capacity. Operator \square does \square does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☑ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☑ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attached a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 – Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☑ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

□ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. □ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. □ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

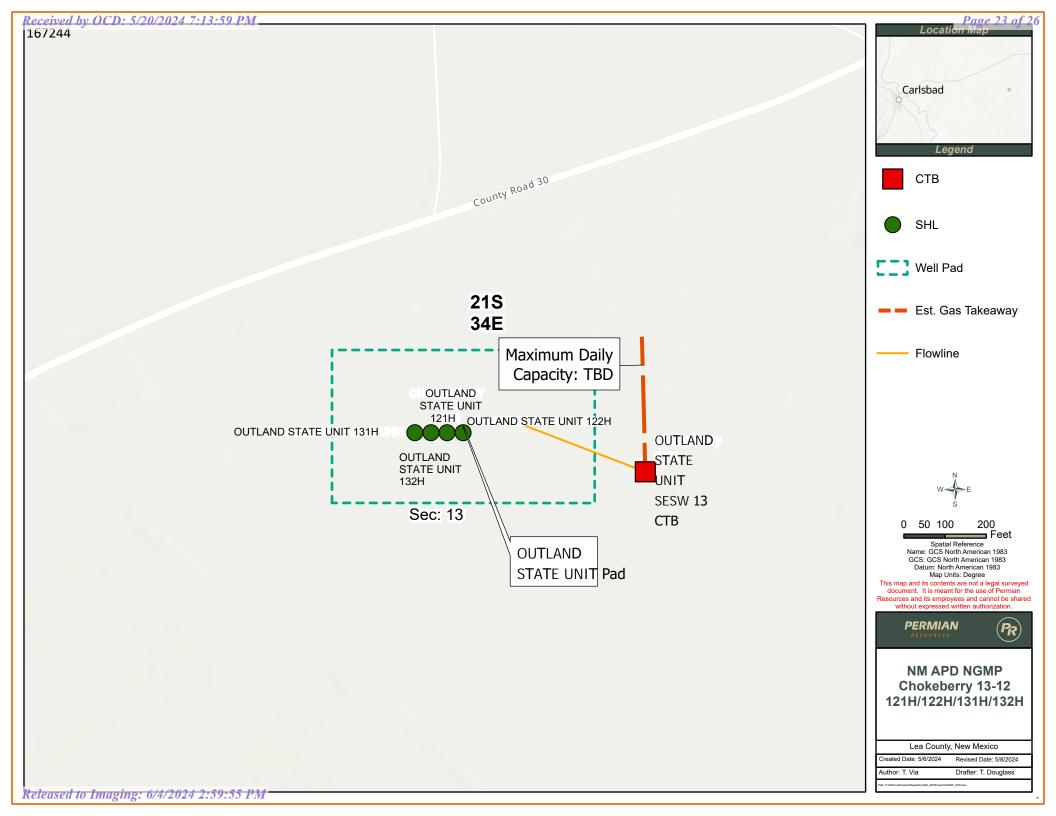
- (a) Power generation on lease;
- **(b)** power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 – Notices

- 1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:
 - (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
 - (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, not later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file and update for each Natural Gas Management Plan until the Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
 - (c) OCD may deny or conditionally approve and APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas-Act. Signature Printed Name JENNIFER ELROD SŔ. REGULATORY ANALYST Title: E-mail Address: JENNIFER.ELROD@PERMIANRES.COM Date: 5/17/2024 Phone: 940-452-6214 OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form) Approved By: Title: Approval Date: Conditions of Approval:

I certify, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true



Permian Resources Operating, LLC (372165) Earthstone Operating, LLC (331165)

Natural Gas Management Plan Descriptions

VI. Separation Equipment:

Permian Resources Operating, LLC (Permian) utilizes a production forecast from our Reservoir Engineering team to appropriately size each permanent, 3-phase separator and heater treater utilized for production operations. Our goal is to maintain 5 minutes of retention time in the test vessel and 20 minutes in the heater treater at peak production rates. The gas produced is routed from the separator to the gas sales line.

VII. Operational Practices:

Drilling

During Permian's drilling operations it is uncommon for venting or flaring to occur. If flaring is needed due to safety concerns, gas will be routed to a flare and volumes will be estimated.

Flowback

During completion/recompletion flowback operations, after separation flowback begins and as soon as it is technically feasible, Permian routes gas though a permanent separator and the controlled facility where the gas is either sold or flared through a high-pressure flare if needed.

Production

Per 19.15.27.8.D, Permian's facilities are designed to minimize waste. Our produced gas will only be vented or flared in an emergency or malfunction situation, except as allowed for normal operations noted in 19.15.27.8.D(2) & (4). All gas that is flared is metered. All gas that may be vented will be estimated.

Performance Standards

Permian utilizes a production forecast from our Reservoir Engineering team to appropriately size each permanent, 3-phase separator and heater treater utilized for production operations.

All of Permian's permanent storage tanks associated with production operations which are routed to a flare or control device are equipped with an automatic gauging system.

All of Permian's flare stacks, both currently installed and for future installation, are:

- 1) Appropriately sized and designed to ensure proper combustion effciency.
- 2) Equipped with an automatic ignitor or continuous pilot.
- 3) Anchored and located at least 100 feet from the well and storage tanks.

Permian's field operations and HSE teams have implemented an AVO inspection schedule that adheres to the requirements of 19.15.27.8.E(5).

All of our operations and facilities are designed to minimize waste. We routinely employ the following methods and practices:

- Closed-loop systems
- Enclosed and properly sized tanks

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- Vapor recovery units to maximize recovery of low-pressure gas streams and potential unauthorized emissions
- Low-emitting or electric engines whenever practical
- Combustors and flare stacks in the event of a malfunction or emergency
- Routine facility inspections to identify leaking components, functioning control devices, such as flares
 and combustors, and repair / replacement of malfunctioning components where applicable

Measurement or estimation

Permian measures or estimates the volumes of natural gas vented, flared and/or beneficially used for all of our drilling, completing and producing wells. We utilize accepted industry standards and methodology which can be independently verified. Annual GOR testing is completed on our wells and will be submitted as required by the OCD. None of our equipment is designed to allow diversion around metering elements except during inspection, maintenance and repair operations.

VIII. Best Management Practices:

Permian Resources utilizes the following BMPs to minimize venting during active and planned maintenance activities:

- Use a closed-loop process wherever possible during planned maintenance activities, such as blowdowns, liquid removal, and work over operations.
- Employ low-emitting or electric engines for equipment, such as compressors
- Adhere to a strict preventative maintenance program which includes routine facility inspections, identification of component malfunctions, and repairing or replacing components such as hatches, seals, valves, etc. where applicable
- Utilize vapor recovery units (VRU's) to maximize recovery of volumes of low-pressure gas streams and potential unauthorized emissions
- Route low pressure gas and emissions streams to a combustion device to prevent venting where necessary

Enhanced Natural Gas Management Plan

Operator's Plan to Manage Production in Response to Increased Line Pressure

Permian Resources Operating, LLC (Permian) anticipates that its existing wells connected to the same portion of the natural gas gathering system will continue to meet anticipated increases in line pressure caused by the new wells. Permian will actively monitor line pressure throughout the field and will make necessary adjustments to existing production separators' pressures to send gas to sales. Permian also plans to implement automated alarms on all flare meters to alert of flaring events as they occur. The alarms will send notifications to field operations and engineering staff via text message and email at every occurrence of flaring. In addition, Permian plans to implement automated alarms on all flare meters to alert of any continuous flaring event that has continued for at least 4 hours. The alarms will send notifications to field operations and engineering management. Permian personnel will promptly respond to these alarms, communicate with midstream partners, and take the appropriate action to reduce flaring caused by high line pressure from new well production.