



Application for Permit to Drill

APD Package Report

Date Printed:

APD ID:	Well Status:
APD Received Date:	Well Name:
Operator:	Well Number:

APD Package Report Contents

- Form 3160-3
- Operator Certification Report
- Application Report
- Application Attachments
 - Well Plat: 2 file(s)
- Drilling Plan Report
- Drilling Plan Attachments
 - Blowout Prevention Choke Diagram Attachment: 4 file(s)
 - Blowout Prevention BOP Diagram Attachment: 5 file(s)
 - Casing Taperd String Specs: 3 file(s)
 - Casing Design Assumptions and Worksheet(s): 8 file(s)
 - Hydrogen sulfide drilling operations plan: 1 file(s)
 - Proposed horizontal/directional/multi-lateral plan submission: 4 file(s)
 - Other Facets: 6 file(s)
 - Other Variances: 4 file(s)
- SUPO Report
- SUPO Attachments
 - Existing Road Map: 2 file(s)
 - New Road Map: 2 file(s)
 - Attach Well map: 2 file(s)
 - Production Facilities map: 1 file(s)
 - Water source and transportation map: 2 file(s)
 - Construction Materials source location attachment: 2 file(s)
 - Well Site Layout Diagram: 2 file(s)
 - Recontouring attachment: 2 file(s)
- PWD Report
- PWD Attachments
 - None

- Bond Report
- Bond Attachments
 - None

Form 3160-3
(October 2024)

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No.
1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address		9. API Well No. 30-025-56057
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be requested by the BLM. |

25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

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



(Continued on page 2)

*(Instructions on page 2)

INSTRUCTIONS

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

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM connects this information to a new evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Operator Remarks

Location of Well

0. SHL: LOT 4 / 965 FSL / 380 FWL / TWSP: 18S / RANGE: 32E / SECTION: 30 / LAT: 32.7139783 / LONG: -103.813134 (TVD: 0 feet, MD: 0 feet)

PPP: LOT 4 / 660 FSL / 100 FWL / TWSP: 18S / RANGE: 32E / SECTION: 30 / LAT: 32.7131417 / LONG: -103.8140434 (TVD: 9642 feet, MD: 9673 feet)

PPP: SWSE / 660 FSL / 2678 FWL / TWSP: 18S / RANGE: 32E / SECTION: 30 / LAT: 32.7131265 / LONG: -103.8056638 (TVD: 9947 feet, MD: 12342 feet)

PPP: SWSW / 659 FSL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 29 / LAT: 32.7131103 / LONG: -103.7970817 (TVD: 9998 feet, MD: 14983 feet)

BHL: SESE / 660 FSL / 100 FEL / TWSP: 18S / RANGE: 32E / SECTION: 29 / LAT: 32.7130768 / LONG: -103.7802116 (TVD: 10099 feet, MD: 20172 feet)

BLM Point of Contact

Name: PAMELLA HERNANDEZ

Title: LIE

Phone: (575) 234-5954

Email: PHERNANDEZ@BLM.GOV

CONFIDENTIAL

**PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	Mewbourne Oil Company
LEASE NO.:	NMNM094192
COUNTY:	Lea County, New Mexico

Wells:

Choctaw Bingo 30-29 Fed Com 526H

Surface Hole Location: 1005 feet FSL and 380 feet FWL, Section 30, T. 18 S., R. 32 E.

Bottom Hole Location: 1500 feet FSL and 100 feet FEL, Section 29, T. 18 S, R 32 E.

Choctaw Bingo 30-29 Fed Com 627H

Surface Hole Location: 965 feet FSL and 380 feet FWL, Section 30, T. 18 S., R. 32 E.

Bottom Hole Location: 660 feet FSL and 100 feet FEL, Section 29, T. 18 S, R 32 E.

Choctaw Bingo 30-29 Fed Com 467H

Surface Hole Location: 985 feet FSL and 380 feet FWL, Section 30, T. 18 S., R. 32 E.

Bottom Hole Location: 1050 feet FSL and 100 feet FEL, Section 29, T. 18 S, R 32 E.

Choctaw Bingo 30-29 Fed Com 528H

Surface Hole Location: 945 feet FSL and 380 feet FWL, Section 30, T. 18 S., R. 32 E.

Bottom Hole Location: 330 feet FSL and 100 feet FEL, Section 30, T. 18 S, R 32 E.

Choctaw Bingo 30-29 Fed Com 625H

Surface Hole Location: 1025 feet FSL and 380 feet FWL, Section 30, T. 18 S., R. 32 E.

Bottom Hole Location: 1980 feet FSL and 100 feet FEL, Section 29, T. 18 S, R 32 E.

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1. GENERAL PROVISIONS

The failure of the operator to comply with these requirements may result in the assessment of liquidated damages or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

1.1. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural resource (historic or prehistoric site or object) discovered by the operator, or any person working on the operator's behalf, on the public or federal land shall be immediately reported to the Authorized Officer. The operator shall suspend all operations in the immediate area (within 100ft) of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer, in conjunction with a BLM Cultural Resource Specialist, to determine appropriate actions to prevent the loss of significant scientific values. The operator shall be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the operator.

Traditional Cultural Properties (TCPs) are protected by NHPA as codified in 36 CFR 800 for possessing traditional, religious, and cultural significance tied to a certain group of individuals. Though there are currently no designated TCPs within the project area or within a mile of the project area, but it is possible for a TCP to be designated after the approval of this project. **If a TCP is designated in the project area after the project's approval, the BLM Authorized Officer will notify the operator of the following conditions and the duration for which these conditions are required.**

1. Temporary halting of all construction, drilling, and production activities to lower noise.
2. Temporary shut-off of all artificial lights at night.

The operator is hereby obligated to comply with procedures established in the Native American Graves Protection and Repatriation Act (NAGPRA), specifically NAGPRA Subpart B regarding discoveries, to protect human remains, associated funerary objects, sacred objects, and objects of cultural patrimony discovered during project work. If any human skeletal remains, funerary objects, sacred objects, or objects of cultural patrimony are discovered at any time during construction, all construction activities shall halt and a BLM-CFO Authorized Officer will be notified immediately. The BLM will then be required to be notified, in writing, within 24 hours of the discovery. The written notification should include the geographic location by county and state, the contents of the discovery, and the steps taken to protect said discovery. You must also include any potential threats to the discovery and a conformation that all activity within 100ft of the discovery has ceased and work will not resume until written certification is issued. All work on the entire project must halt for a minimum of 3 days and work cannot resume until an Authorized Officer grants permission to do so.

Any paleontological resource discovered by the operator, or any person working on the operator's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. The operator will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the operator.

1.2. RANGELAND RESOURCES

1.2.1. Cattleguards

Where a permanent cattleguard is approved, an appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s). Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations. A gate shall be constructed on one side of the cattleguard and fastened securely to H-braces.

1.2.2. Fence Requirement

Where entry granted across a fence line, the fence must be braced and tied off on both sides of the passageway prior to cutting. Once the work is completed, the fence will be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

1.2.3. Livestock Watering Requirement

Any damage to structures that provide water to livestock throughout the life of the well, caused by operations from the well site, must be immediately corrected by the operator. The operator must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment holder if any damage occurs to structures that provide water to livestock.

1.3. NOXIOUS WEEDS

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

1.3.1 African Rue (*Peganum harmala*)

Spraying: The spraying of African Rue must be completed by a licensed or certified applicator. In order to attempt to kill or remove African Rue the proper mix of chemical is needed. The mix consists of 2% Arsenal (Imazapyr) and 2% Roundup (Glyphosate) along with a nonionic surfactant. Any other chemicals or combinations shall be approved by the BLM Noxious Weeds Coordinator prior to treatment. African Rue shall be sprayed in connection to any dirt working activities or disturbances to the site being sprayed. Spraying of African Rue shall be done on immature plants at initial growth through flowering and mature plants between budding and flowering stages. Spraying shall not be conducted after flowering when plant is fruiting. This will ensure optimal intake of chemical and decrease chances of developing herbicide resistance. After spraying, the operator or necessary parties must contact the Carlsbad Field Office to inspect the effectiveness of the application treatment to the plant species. No ground disturbing activities can take place until the inspection by the authorized officer is complete. The operator may contact the Environmental Protection Department or the BLM Noxious Weed Coordinator at (575) 234-5972 or BLM_NM_CFO_NoxiousWeeds@blm.gov.

Management Practices: In addition to spraying for African Rue, good management practices should be followed. All equipment should be washed off using a power washer in a designated containment area. The containment area shall be bermed to allow for containment of the seed to prevent it from entering any open areas of the nearby landscape. The containment area shall be excavated near or adjacent to the well pad at a depth of three feet and just large enough to get equipment inside it to be washed off. This will allow all seeds to be in a centrally located area that can be treated at a later date if the need arises.

1.4. LIGHT POLLUTION

1.4.1. Downfacing

All permanent lighting will be pointed straight down at the ground in order to prevent light spill beyond the edge of approved surface disturbance.

1.4.2. Shielding

All permanent lighting will use full cutoff luminaires, which are fully shielded (i.e., not emitting direct or indirect light above an imaginary horizontal plane passing through the lowest part of the light source).

1.4.3. Lighting Color

Lighting shall be 3,500 Kelvin or less (Warm White) except during drilling, completion, and workover operations. No bluish-white lighting shall be used in permanent outdoor lighting.

2. SPECIAL REQUIREMENTS

2.1. WATERSHED

The entire well pad(s) will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. The compacted berm shall be constructed at a minimum of 12 inches with impermeable mineral material (e.g. caliche). Topsoil shall not be used to construct the berm. No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad. The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed. Any water erosion that may occur due to the construction of the well pad during the life of the well will be quickly corrected and proper measures will be taken to prevent future erosion. Stockpiling of topsoil is required. The topsoil shall be stockpiled in an appropriate location to prevent loss of soil due to water or wind erosion and not used for berming or erosion control. If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.

2.1.1. Tank Battery

Tank battery locations will be lined and bermed. A 20-mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Secondary containment holding capacity must be large enough to contain 1 ½ times the content of the largest tank or 24-hour production, whichever is greater (displaced volume from all tanks within the berms MUST be subtracted from total volume of containment in calculating holding capacity). Automatic shut off, check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

2.1.2. Buried/Surface Line(s)

When crossing ephemeral drainages, the pipeline(s) will be buried to a minimum depth of 48 inches from the top of pipe to ground level. Erosion control methods such as gabions and/or rock aprons must be placed on both up and downstream sides of the pipeline crossing. In addition, curled (weed free) wood/straw fiber wattles/logs and/or silt fences must be placed on the downstream side for sediment control during construction and maintained until soils and vegetation have stabilized. Water bars must be placed within the corridor to divert and dissipate surface runoff. A pipeline access road is not permitted to cross ephemeral drainages. Traffic must be diverted to a preexisting route. Additional seeding may be required in floodplains and drainages to restore energy dissipating vegetation.

Prior to pipeline installation/construction a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.

2.1.3. Electric Line(s)

Any water erosion that may occur due to the construction of overhead electric line and during the life of the power line will be quickly corrected and proper measures will be taken to prevent future erosion. A power pole must not be placed in drainages, playas, wetlands, riparian areas, or floodplains and must span across the features at a distance away that does not promote further erosion.

2.3 WILDLIFE

2.3.1 Lesser Prairie Chicken

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

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

2.3.1.2 Timing Limitation Exceptions:

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

2.3.1.3 Ground-level Abandoned Well Marker to avoid raptor perching:

Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at BLM_NM_CFO_Construction_Reclamation@blm.gov.

2.3.4 Dunes Sagebrush Lizard

- Pre-construction contact with a BLM wildlife biologist is required within 5 days before any ground disturbing activities associated with the project occurs.
- Successful completion of the BLM Trench Stipulation Workshop is required for a non-agency person to be approved as a monitor.
- Any trench left open for (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, an agency approved monitor shall walk the entire length of the open trench and remove all trapped vertebrates. The bottom surface of the trench will be disturbed a minimum of 2 inches in order to arouse any buried vertebrates. All vertebrates will be released alive at least 100 yards from the trench.
- For trenches left open for eight (8) hours or more the following requirements apply:
 - Earthen escape ramps and/or structures (built at no more than a 30-degree slope and spaced no more than 500 feet apart) shall be placed in the trench. Metal structures will not be authorized. Options will be discussed in detail at the required Trench Stipulation Workshop.
 - One approved monitor shall be required to survey up to three miles of trench between the hours of 11 AM-2 PM. A daily report (consolidate if there is more than one monitor) on the vertebrates found and removed from the trench shall be provided to the BLM (email/fax is acceptable) the following morning.
 - Prior to backfilling of the trench all structures used as escape ramps will be removed and the bottom surface of the trench will be disturbed a minimum of 2 inches in order to arouse any buried vertebrates. All vertebrates will be released alive a minimum of 100 yards from the trench.
- This stipulation shall apply to the entire length of the project in the DSL habitat polygon regardless of land ownership or CCA/CCAA enrollment status.
- A project closeout will be required within three business days of the completion of the project.

2.3.5. Raptors Nest Mitigation

- A BLM Wildlife Biologist must be contacted by the operator prior to construction activities to determine if the raptor nest is active.

- Raptor nests on special, natural habitat features, such as trees, large brush, cliff faces and escarpments, will be protected by not allowing surface disturbance within up to 200 meters of nests or by delaying activity for up to 90 days, or a combination of both. Exceptions to this requirement for raptor nests will be considered if the nests expected to be disturbed are inactive, the proposed activity is of short duration (e.g. habitat enhancement projects, fences, pipelines) and will not result in continuing activity in proximity to the nest.
- Exhaust noise from pump jack engines, or other equipment, must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

2.4 VISUAL RESOURCE MANAGEMENT

2.5.1 VRM IV

Above-ground structures including meter housing that are not subject to safety requirements are painted a flat non-reflective paint color, Shale Green from the BLM Standard Environmental Color Chart (CC-001: June 2008).

AND/OR

All above ground structures including but not limited to pumpjacks, storage tanks, production equipment, etc. must be shorter than 8 feet.

3. CONSTRUCTION REQUIREMENTS

3.1 CONSTRUCTION NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at BLM_NM_CFO_Construction_Reclamation@blm.gov at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and COAs on the well site and they shall be made available upon request by the Authorized Officer.

3.2 TOPSOIL

The operator shall strip the topsoil (the A horizon) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. No more than the top 6 inches of topsoil shall be removed. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Other subsoil (the B horizon and below) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

3.3 CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No reserve pits will be used for drill cuttings. The operator shall properly dispose of drilling contents at an authorized disposal site.

3.4 FEDERAL MINERAL PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

3.5 WELL PAD & SURFACING

Any surfacing material used to surface the well pad will be removed at the time of interim and final reclamation.

3.6 EXCLOSURE FENCING (CELLARS & PITS)

The operator will install and maintain enclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the well cellar is free of fluids and the operator initiates backfilling. (For examples of enclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

The operator will also install and maintain mesh netting for all open well cellars to prevent access to smaller wildlife before and after drilling operations until the well cellar is free of fluids and the operator. Use a maximum netting mesh size of 1 ½ inches. The netting must not have holes or gaps.

3.7 ON LEASE ACCESS ROAD

3.7.1 Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

3.7.2 Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements will be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

3.7.3 Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

3.7.4 Ditching

Ditching shall be required on both sides of the road.

3.7.5 Turnouts

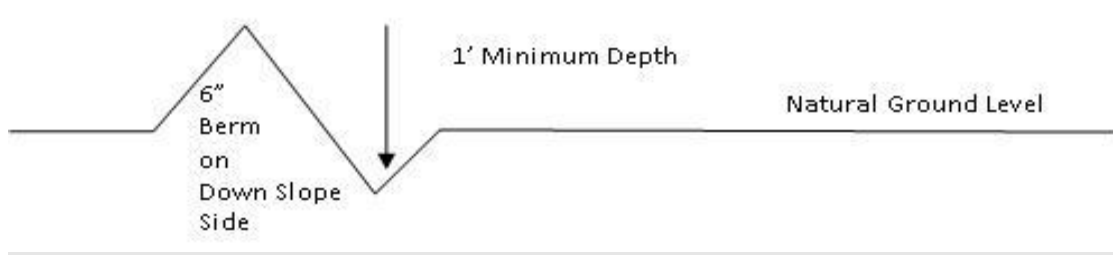
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

3.7.6 Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill out-sloping and in-sloping, leadoff ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

$$400 \text{ foot road with } 4\% \text{ road slope: } \frac{400'}{4} + 100' = 200' \text{ lead-off ditch interval}$$

3.7.7 Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

- Construction Steps**
1. Salvage topsoil
 2. Construct road
 3. Redistribute topsoil
 4. Revegetate slopes

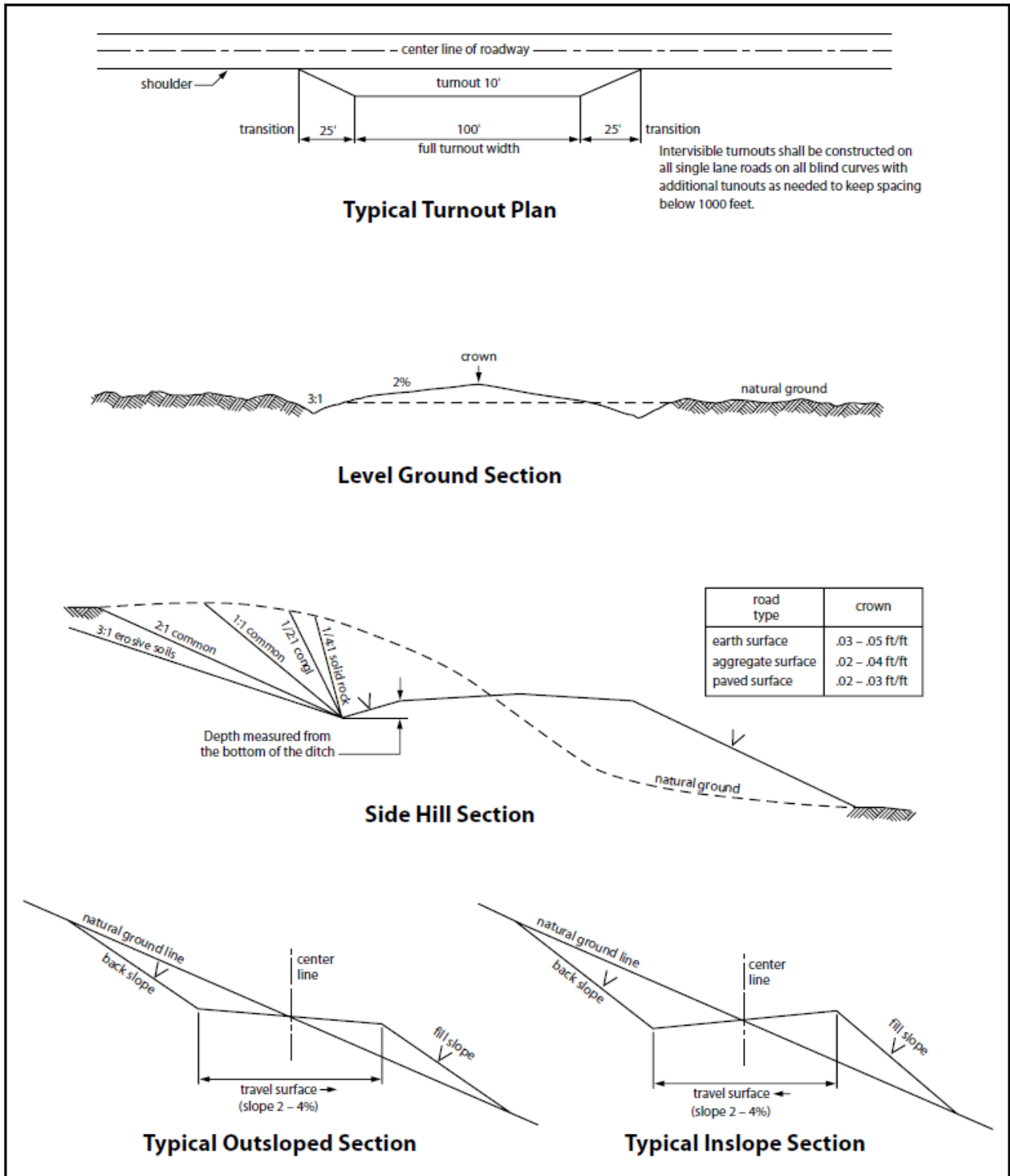


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

4. PIPELINES

- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, passages, or voids are intersected by trenching, and no pipe will be laid in the trench at that point until clearance has been issued by the Authorized Officer.
- A leak detection plan **will be submitted to the BLM Carlsbad Field Office for approval** prior to pipeline installation. The method could incorporate gauges to detect pressure drops, siting values and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.
- All spills or leaks will be reported to the BLM immediately for their immediate and proper treatment.

4.1 BURIED PIPELINES

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

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

1. The Operator shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this APD.
2. The Operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the operator shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the pipeline corridor or on facilities authorized under this APD. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The operator agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C.6901, et seq.) on the Pipeline corridor (unless the release or threatened release is wholly unrelated to the operator's activity on the pipeline corridor), or resulting from the activity of the Operator on the pipeline corridor. This agreement applies without regard to whether a release is caused by the operator, its agent, or unrelated third parties.
4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant is discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of operator, regardless of fault. Upon failure of operator to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and

fish and wildlife habitats, at the full expense of the operator. Such action by the Authorized Officer shall not relieve operator of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized pipeline corridor.
6. The pipeline will be buried with a minimum cover of 36 inches between the top of the pipe and ground level.
7. The maximum allowable disturbance for construction in this pipeline corridor will be 30 feet:
 - Blading of vegetation within the pipeline corridor will be allowed: maximum width of blading operations will not exceed **20** feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation.*)
 - Clearing of brush species within the pipeline corridor will be allowed: maximum width of clearing operations will not exceed **30** feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)
 - The remaining area of the pipeline corridor (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)
8. The operator shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately **36** inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.
9. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this pipeline corridor and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire pipeline corridor shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted, and a 6-inch berm will be left over the ditch line to allow for settling back to grade.
10. The pipeline will be identified by signs at the point of origin and completion of the pipeline corridor and at all road crossings. At a minimum, signs will state the operator's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.
11. The operator shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the operator before maintenance begins. The operator will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the operator to construct temporary deterrence structures.
12. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.
13. Escape Ramps - The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

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

4.2 OVERHEAD ELECTRIC LINES

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

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

1. The operator shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this APD.
2. The operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the operator shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the powerline corridor or on facilities authorized under this powerline corridor. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The operator agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Powerline corridor (unless the release or threatened release is wholly unrelated to the operator's activity on the powerline corridor), or resulting from the activity of the Operator on the powerline corridor. This agreement applies without regard to whether a release is caused by the operator, its agent, or unrelated third parties.
4. There will be no clearing or blading of the powerline corridor unless otherwise agreed to in writing by the Authorized Officer.
5. Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Avian Protection on Power lines: The State of the Art in 2006" Edison Electric Institute, APLIC, and the California Energy Commission 2006 . The operator shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this powerline corridor, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the operator without liability or expense to the United States.
6. Raptor deterrence will consist of but not limited to the following: triangle perch discouragers shall be placed on each side of the cross arms and a nonconductive perching deterrence shall be placed on all vertical poles that extend past the cross arms.
7. The operator shall minimize disturbance to existing fences and other improvements on public lands. The operator is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The operator will contact the owner of any

improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

8. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.
9. Upon cancellation, relinquishment, or expiration of this APD, the operator shall comply with those abandonment procedures as prescribed by the Authorized Officer.
10. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this APD, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.
11. Special Stipulations:
 - For reclamation remove poles, lines, transformer, etc. and dispose of properly. Fill in any holes from the poles removed.

4.3 RANGLAND MITIGATION FOR PIPELINES

4.5.1 Fence Requirement

Where entry is granted across a fence line, the fence must be braced and tied off on both sides of the passageway with H-braces prior to cutting. Once the work is completed, the fence will be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment operator prior to crossing any fence(s).

4.5.2 Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at road-fence crossing(s). Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations. A gate shall be constructed on one side of the cattleguard and fastened securely to H-braces.

4.5.3 Livestock Watering Requirement

Structures that provide water to livestock, such as windmills, pipelines, drinking troughs, and earthen reservoirs, will be avoided by moving the proposed action.

Any damage to structures that provide water to livestock throughout the life of the well, caused by operations from the well site, must be immediately corrected by the operator. The operator must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment operator if any damage occurs to structures that provide water to livestock.

- Livestock operators will be contacted, and adequate crossing facilities will be provided as needed to ensure livestock are not prevented from reaching water sources because of the open trench.
- Wildlife and livestock trails will remain open and passable by adding soft plugs (areas where the trench is excavated and replaced with minimal compaction) during the construction phase. Soft plugs with ramps on either side will be left at all well-defined livestock and wildlife trails along the open trench to allow passage across the trench and provide a means of escape for livestock and wildlife that may enter the trench.
- Trenches will be backfilled as soon as feasible to minimize the amount of open trench. The Operator will avoid leaving trenches open overnight to the extent possible and open trenches that cannot be backfilled immediately will have escape ramps (wooden) placed at no more than 2,500 feet intervals and sloped no more than 45 degrees.

5. PRODUCTION (POST DRILLING)

5.1 WELL STRUCTURES & FACILITIES

5.1.1 Placement of Production Facilities

Production facilities must be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

5.1.2 Exclosure Netting (Open-top Tanks)

Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

5.1.3. Chemical and Fuel Secondary Containment and Exclosure Screening

The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

5.1.4. Open-Vent Exhaust Stack Exclosures

The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone.*) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

5.1.5. Containment Structures

Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

6. RECLAMATION

Stipulations required by the Authorized Officer on specific actions may differ from the following general guidelines

6.1 ROAD AND SITE RECLAMATION

Any roads constructed during the life of the well will have the caliche removed or linear burial. If contaminants are indicated then testing will be required for chlorides and applicable contaminate anomalies for final disposal determination (disposed of in a manner approved by the Authorized Officer within Federal, State and Local statutes, regulations, and ordinances) and seeded to the specifications in sections 6.5 and 6.6.

6.2 EROSION CONTROL

Install erosion control berms, windrows, and hummocks. Windrows must be level and constructed perpendicular to down-slope drainage; steeper slopes will require greater windrow density. Topsoil between windrows must be ripped to a depth of at least 12", unless bedrock is encountered. Any large boulders pulled up during ripping must be deep-buried on location. Ripping must be perpendicular to down-slope. The surface must be left rough in order to catch and contain rainfall on-site. Any trenches resulting from erosion cause by run-off shall be addressed immediately.

6.3 INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations must undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators must work with BLM surface protection specialists (BLM_NM_CFO_Construction_Reclamation@blm.gov) to devise the best strategies to reduce the size of the location. Interim reclamation must allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche and any other surface material is required. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided in section 6.6.

Upon completion of interim reclamation, the operator shall submit a Sundry Notice, Subsequent Report of Reclamation (Form 3160-5).

6.4 FINAL ABANDONMENT & RECLAMATION

Prior to surface abandonment, the operator shall submit a Notice of Intent Sundry Notice and reclamation plan.

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding will be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM. After earthwork and seeding is completed, the operator is required to submit a Sundry Notice, Subsequent Report of Reclamation.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (BLM_NM_CFO_Construction_Reclamation@blm.gov).

6.5 SEEDING TECHNIQUES

Seeds shall be hydro-seeded, mechanically drilled, or broadcast, with the broadcast-seeded area raked, ripped or dragged to aid in covering the seed. The seed mixture shall be evenly and uniformly planted over the disturbed area.

6.6 SOIL SPECIFIC SEED MIXTURE

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

Seed land application will be accomplished by mechanical planting using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area. Smaller/heavier seeds tend to drop the bottom of the drill and are planted first; the operator shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast, and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory BLM or Soil Conservation

District stand is established as determined by the Authorized Officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding or until several months of precipitation have occurred, enabling a full four months of growth, with one or more seed generations being established.

Seed Mixture #6 for LPC/HEA Sites ONLY USE IF IN LPC HEA YELLOW POLYGON

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

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	5lbs/A
Big Bluestem	5lbs/A
Plains Coreopsis	5lbs/A
Sand Dropseed	1lbs/A
Partridge Pea	1.6 lbs/A
Purple Prairie Clover	0.4 lbs/A
Fire wheel	0.4lbs/A

*Pounds of pure live seed:

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

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: MEWBOURNE OIL COMPANY
WELL NAME & NO.: CHOCTAW BINGO FED COM 627H
APD ID: 10400103701
LOCATION: Section 30, T.18 S., R.32 E. NMP.
COUNTY: Lea County, New Mexico

COA

H ₂ S	<input type="radio"/> No		<input checked="" type="radio"/> Yes	
Potash / WIPP	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-Q	<input type="checkbox"/> Open Annulus <input type="checkbox"/> WIPP
Cave / Karst	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High	<input type="radio"/> Critical
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both	<input type="radio"/> Diverter
Cementing	<input type="checkbox"/> Primary Squeeze	<input type="checkbox"/> Cont. Squeeze	<input type="checkbox"/> EchoMeter	<input type="checkbox"/> DV Tool
Special Req	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> Water Disposal	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Waste Prev.	<input type="radio"/> Self-Certification	<input checked="" type="radio"/> Waste Min. Plan	<input type="radio"/> APD Submitted prior to 06/10/2024	
Additional Language	<input checked="" type="checkbox"/> Flex Hose <input type="checkbox"/> Four-String	<input type="checkbox"/> Casing Clearance <input checked="" type="checkbox"/> Offline Cementing	<input type="checkbox"/> Pilot Hole <input checked="" type="checkbox"/> Fluid-Filled	<input checked="" type="checkbox"/> Break Testing

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated **AT SPUD**. As a result, the Hydrogen Sulfide area must meet **43 CFR 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING DESIGN

Primary Casing Program

1. The **13-3/8** inch surface casing shall be set at approximately **1,025 ft.** (a minimum of 70 feet into the Rustler Anhydrite, below usable water and above the salt) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 psi compressive strength**, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The **9-5/8 inch** intermediate casing shall be set in a competent bed (Tansill/Yates) at approximately **2,600 ft.** The minimum required fill of cement behind the **9-5/8 inch** intermediate casing is:
 - **Cement to surface.** If cement does not circulate see B.1.a, c-d above.

Note: Excess cement is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

3. Operator has proposed to set **7 x 4-1/2 inch** tapered production casing at approximately **20,172 ft.** (10,099 ft. TVD). The minimum required fill of cement behind the tapered production casing is:
 - Cement should tie-back **at least 200 feet** into previous casing string. Operator shall provide method of verification.

Note: The production casing must remain fluid-filled to maintain the minimum required safety factor against collapse.

Alternate Casing Program

1. The **13-3/8 inch** surface casing shall be set at approximately **1,025 ft.** (a minimum of 70 feet into the Rustler Anhydrite, below usable water and above the salt) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 psi compressive strength**, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The **9-5/8** inch intermediate casing shall be set in a competent bed (Tansill/Yates) at approximately **2,600 ft.** The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
 - **Cement to surface.** If cement does not circulate see B.1.a, c-d above.

Note: Excess cement is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.
 3. Operator has proposed to set **7 inch** production casing at approximately **9,348 ft.** (9,334 ft. TVD). The minimum required fill of cement behind the **7 inch** production casing is:
 - Cement should tie-back **at least 200 feet** into previous casing string. Operator shall provide method of verification.
 4. The minimum required fill of cement behind the **4-1/2 in.** production liner is:
 - Cement should tie-back **at least 100 feet** into previous casing string. Operator shall provide method of verification.

Offline Cementing

Operator has been (**Approved**) to pump the proposed cement program offline in the **Surface and intermediate(s) intervals.** Offline cementing should commence within 24 hours of landing the casing for the interval. Notify the BLM 4hrs prior to the commencement of any offline cementing procedure at **Lea County: 575-689-5981.**

C. PRESSURE CONTROL

1. Variance approved to use **flex line** from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi.** The BOP/BOPE shall be pressure-tested in accordance with **title 43 CFR 3172.**
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.

- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in the **title 43 CFR 3172.6(b)(9)** must be followed.

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-689-5981 Lea County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.

- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

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

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

Contact Lea County Petroleum Engineering Inspection Staff:

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

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

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The

- Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
 8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float

does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (Only applies to single stage cement jobs, prior to the cement setting up.)
- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. The test shall be run on a 5000-psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one-hour chart. A circular chart shall have a maximum 2-hour clock. If a twelve hour or twenty-four-hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low-pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

SA 10/02/2025



Operator Certification Data Report

03/11/2026

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

Operator

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: MELONY LEAL

Signed on: 02/21/2025

Title: Analyst

Street Address: 4801 BUSINESS PARK BLVD

City: HOBBS

State: NM

Zip: 88240

Phone: (575)393-5905

Email address: MLEAL@MEWBOURNE.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:



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

Application Data

03/11/2026

APD ID: 10400103701

Submission Date: 02/21/2025

Highlighted data reflects the most recent changes
[Show Final Text](#)

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - General

APD ID: 10400103701

Tie to previous NOS? N

Submission Date: 02/21/2025

BLM Office: Carlsbad

User: MELONY LEAL

Title: Analyst

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM94192

Lease Acres:

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? YES

Permitting Agent? NO

APD Operator: MEWBOURNE OIL COMPANY

Operator letter of

Operator Info

Operator Organization Name: MEWBOURNE OIL COMPANY

Operator Address: P O BOX 5270

Zip: 88241

Operator PO Box:

Operator City: HOBBS

State: NM

Operator Phone: (575)393-5905

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO

Master Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Field/Pool or Exploratory? Field and Pool

Field Name: LUSK

Pool Name: BONE SPRING

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Is the proposed well in an area containing other mineral resources? OIL,POTASH

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** N **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name:
CHOCTAW BINGO 30/29 625

Number: 5

Well Class: HORIZONTAL

526 467 627 528

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: APPRAISAL

Describe sub-type:

Distance to town: 10 Miles

Distance to nearest well: 20 FT

Distance to lease line: 210 FT

Reservoir well spacing assigned acres Measurement: 240 Acres

Well plat: CHOCTAW_BINGO_FED_COM_627H_C102_1_20250612094416.pdf

CHOCTAW_BINGO_FED_COM_627H_C102_1_20250926141838.pdf

Well work start Date: 04/12/2025

Duration: 60 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number:

Reference Datum: KELLY BUSHING

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	965	FSL	380	FW L	18S	32E	30	Lot 4	32.7139783	-103.813134	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 94192	3675			Y
KOP Leg #1	660	FSL	10	FW L	18S	32E	30	Lot 4	32.7131422	-103.814336	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 94192	-5659	9348	9334	Y

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-1	660	FSL	100	FW L	18S	32E	30	Lot 4	32.7131417	-103.8140434	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 94192	-5967	9673	9642	Y
PPP Leg #1-2	660	FSL	2678	FW L	18S	32E	30	Aliquot SWSE	32.7131265	-103.8056638	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 98189	-6272	12342	9947	Y
PPP Leg #1-3	659	FSL	0	FW L	18S	32E	29	Aliquot SWSW	32.7131103	-103.7970817	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 96855	-6323	14983	9998	Y
EXIT Leg #1	660	FSL	100	FEL	18S	32E	29	Aliquot SESE	32.7130768	-103.7802116	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 96855	-6424	20172	10099	Y
BHL Leg #1	660	FSL	100	FEL	18S	32E	29	Aliquot SESE	32.7130768	-103.7802116	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 96855	-6424	20172	10099	Y

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
	Submittal Type:	<input type="checkbox"/> Initial Submittal <input checked="" type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code 41450	Pool Name LUSK; BONE SPRING, NORTH
Property Code	Property Name CHOCTAW BINGO FED COM	Well Number 627H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Ground Level Elevation 3675'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	30	18S	32E	4	965 FSL	380 FWL	32.7139783°N	103.8131340°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	29	18S	32E		660 FSL	100 FEL	32.7130768°N	103.7802116°W	LEA

Dedicated Acres 320	Infill or Defining Well DEFINING	Defining Well API	Overlapping Spacing Unit (Y/N) Y	Consolidation Code N/A
Order Numbers.			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	30	18S	32E	4	660 FSL	10 FWL	32.7131422°N	103.8143360°W	LEA

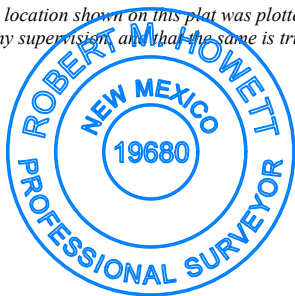
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	30	18S	32E	4	660 FSL	100 FWL	32.7131417°N	103.8140434°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	29	18S	32E		660 FSL	100 FEL	32.7130768°N	103.7802116°W	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3675
---	--	--

<p>OPERATOR CERTIFICATIONS</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p> <p><i>Brett Miller</i> 02/11/2025</p>	<p>SURVEYOR CERTIFICATIONS</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.</i></p> <div style="text-align: center;">  </div>
Signature Brett Miller	Signature and Seal of Professional Surveyor <i>Robert M. Howett</i>
Date 02/11/2025	Certificate Number 19680
Printed Name brett.miller@mewbourne.com	Date of Survey 09/27/2024
Email Address	

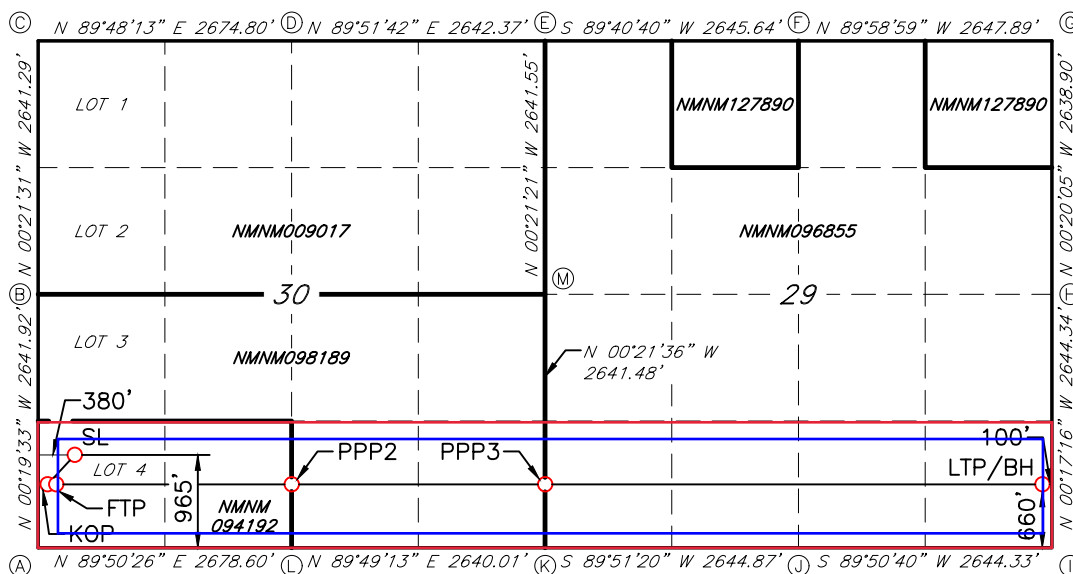
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

CHOCTAW BINGO 30/29 FED COM #627H



GEODETTIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)
N: 623869.3 - E: 701331.9

LAT: 32.7139783° N
LONG: 103.8131340° W

KICK OFF POINT (KOP)
660' FSL - 10' FWL SEC. 30
N: 623563.3 - E: 700963.7

LAT: 32.7131422° N
LONG: 103.8143360° W

FIRST TAKE POINT (FTP)
660' FSL - 100' FWL SEC. 30
N: 623563.5 - E: 701053.7

LAT: 32.7131417° N
LONG: 103.8140434° W

PROPOSED PENETRATION POINT 2 (PPP2)
660' FSL - 2678' FWL SEC. 30
N: 623570.7 - E: 703631.0

LAT: 32.7131265° N
LONG: 103.8056638° W

PROPOSED PENETRATION POINT 3 (PPP3)
659' FSL - 0' FWL SEC. 29
N: 623578.1 - E: 706270.7

LAT: 32.7131103° N
LONG: 103.7970817° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)
N: 623592.6 - E: 711459.5

LAT: 32.7130768° N
LONG: 103.7802116° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1913"
N: 622903.4 - E: 700957.5

B: FOUND BRASS CAP "1913"
N: 625544.7 - E: 700942.5

C: FOUND BRASS CAP "1913"
N: 628185.3 - E: 700925.9

D: FOUND BRASS CAP "1913"
N: 628194.5 - E: 703600.1

E: FOUND BRASS CAP "1913"
N: 628200.9 - E: 706241.8

F: FOUND BRASS CAP "1913"
N: 628215.7 - E: 708886.8

G: FOUND BRASS CAP "1913"
N: 628214.9 - E: 711534.1

H: FOUND BRASS CAP "1913"
N: 625576.7 - E: 711549.5

I: FOUND BRASS CAP "1913"
N: 622933.0 - E: 711562.8

J: FOUND BRASS CAP "1913"
N: 622925.8 - E: 708919.1

K: FOUND BRASS CAP "1913"
N: 622919.2 - E: 706274.8

L: FOUND BRASS CAP "1913"
N: 622910.9 - E: 703635.5

M: FOUND BRASS CAP "1913"
N: 625560.0 - E: 706258.2



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

Drilling Plan Data Report

03/11/2026

APD ID: 10400103701

Submission Date: 02/21/2025

Highlighted data reflects the most recent changes

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Well Type: OIL WELL

Well Work Type: Drill

[Show Final Text](#)

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16660218	UNKNOWN	3695	28	28	OTHER : Top soil	NONE	N
16660219	RUSTLER	2745	950	950	ANHYDRITE, DOLOMITE	USEABLE WATER	N
16660229	TOP SALT	2455	1240	1240	SALT	NONE	N
16660230	BASE OF SALT	1355	2340	2340	SALT	NONE	N
16660222	YATES	1147	2548	2548	SANDSTONE	NATURAL GAS, OIL	N
16660231	SEVEN RIVERS	684	3011	3011	DOLOMITE	NATURAL GAS, OIL	N
16660223	QUEEN	52	3643	3643	DOLOMITE, SANDSTONE	NATURAL GAS, OIL	N
16660224	GRAYBURG	-192	3887	3887	DOLOMITE, SANDSTONE	NATURAL GAS, OIL	N
16660233	SAN ANDRES	-601	4296	4296	DOLOMITE	NATURAL GAS, OIL	N
16660232	LAMAR	-1158	4853	4853	DOLOMITE, LIMESTONE	NATURAL GAS, OIL	N
16660226	BONE SPRING	-2965	6660	6660	LIMESTONE	NATURAL GAS, OIL	N
16660227	BONE SPRING 1ST	-4359	8054	8054	SANDSTONE	NATURAL GAS, OIL	Y
16660228	BONE SPRING 2ND	-5056	8751	8751	SANDSTONE	NATURAL GAS, OIL	N
16660217	BONE SPRING 3RD	-5892	9587	9587	SANDSTONE	NATURAL GAS, OIL	Y
16660234	WOLFCAMP	-6300	9995	9995	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Pressure Rating (PSI): 5M

Rating Depth: 20172

Equipment: Annular, Pipe Rams, Blind Rams, Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for hydrostatic test chart. Anchors are not required by manufacturer. Variance is requested to use a multi bowl wellhead. Variance is requested to perform break testing according to attached procedure. If a breaktesting variance is approved & incorporated, API Standard 53 will be incorporated and testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater, will be performed.

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

Choke Diagram Attachment:

- 5M_BOPE_Choke_Diagram_20250212143119.pdf
- Flex_Line_Specs_API_16C_20250212143125.pdf
- 5M_BOPE_Choke_Diagram_20250926141917.pdf
- Flex_Line_Specs_API_16C_20250926141924.pdf

BOP Diagram Attachment:

- 5M_BOPE_Choke_Diagram_20250212095744.pdf
- MOC_Break_Testing_Variance_20250212095752.pdf
- Multi_Bowl_WH_20250212095802.pdf
- 5M_BOPE_Schematic_20250926141930.pdf
- Multi_Bowl_WH_20250926141936.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1025	0	1025	3675	2650	1025	H-40	48	ST&C	1.68	3.77	DRY	6.54	DRY	11
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	2600	0	2600		1075	2600	J-55	36	LT&C	1.12	1.96	DRY	2.54	DRY	3.17
3	PRODUCTION	8.75	7.0	NEW	API	Y	0	7734	0	7724		-4049	7734	P-110	26	LT&C	1.6	2.55	DRY	3.45	DRY	4.13

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
4	PRODUCTI ON	8.5	4.5	NEW	API	Y	7734	18560	7724	8507	-4049	-4832	10826	OTH ER - RYS 110	13.5	OTHER - CDC HTQ	2.01	2.34	DRY	2.93	DRY	2.89

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

- 13.375in_48__H40_STC_Csg_20250212095944.pdf
- 13.375in_48__H40_STC_Csg_20250926142011.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

- 9.625in_36__J55_LTC_Csg_20250212101037.pdf
- 9.625in_36__J55_LTC_Csg_20250926142110.pdf

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Casing Attachments

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Choctaw_Bingo_30_29_Fed_Com_627H_Tapered_String_20250212143233.pdf

Choctaw_Bingo_30_29_Fed_Com_627H_Tapered_String_20250926142025.pdf

Casing Design Assumptions and Worksheet(s):

7in_26__P110_LTC_Csg_20250212100054.pdf

7in_26__P110_LTC_Csg_20250926142031.pdf

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Choctaw_Bingo_30_29_Fed_Com_627H_Tapered_String_20250926142127.pdf

Casing Design Assumptions and Worksheet(s):

4.5in_13.5__RYS110_CDC_HTQ_Csg_20250212101203.pdf

4.5in_13.5__RYS110_CDC_HTQ_Csg_20250926142134.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	0	0	0	0	0	0	0	0

SURFACE	Lead		0	834	550	2.12	12.5	1170	100	Class C	Salt, Gel, Extender, LCM
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Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Tail		834	1025	200	1.34	14.8	268	100	Class C	Retarder
INTERMEDIATE	Lead		0	1916	350	2.12	12.5	750	25	Class C	Salt, Gel, Extender, LCM
INTERMEDIATE	Tail		1916	2600	200	1.34	14.8	268	25	Class C	Retarder
PRODUCTION	Lead		2400	6970	680	2.12	12.5	1490	25	Class C	Salt, Gel, Extender, LCM, Defoamer
PRODUCTION	Tail		6970	2017 2	3550	1.18	15.6	4189	25	Class H	Retarder, Fluid Loss, Defoamer

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: Formation integrity test will be performed per 43 CFR Part 3172. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR Part 3172.

Describe the mud monitoring system utilized: Pason/PVT/visual monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1025	SPUD MUD	8.4	8.6							
1025	2600	SALT SATURATED	10	10.2							
2600	9348	WATER-BASED MUD	8.6	9.7							

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
9348	2017 2	OIL-BASED MUD	10	12							

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Will run GR/CNL from KOP (9348') to surface (horizontal well vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.

List of open and cased hole logs run in the well:

DIRECTIONAL SURVEY, MEASUREMENT WHILE DRILLING, MUD LOG/GEOLOGIC LITHOLOGY LOG, GAMMA RAY LOG,

Coring operation description for the well:

None

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 6302

Anticipated Surface Pressure: 4080

Anticipated Bottom Hole Temperature(F): 140

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geohazards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

H2S_Plan_20250926142252.pdf

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

CHOCTAW_BINGO_30_29_FED_COM_627H_Dir_Plot_20250512090955.pdf
CHOCTAW_BINGO_30_29_FED_COM_627H_Dir_Plan_20250512090955.pdf
CHOCTAW_BINGO_30_29_FED_COM_627H_Dir_Plan_20250926142304.pdf
CHOCTAW_BINGO_30_29_FED_COM_627H_Dir_Plot_20250926142313.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

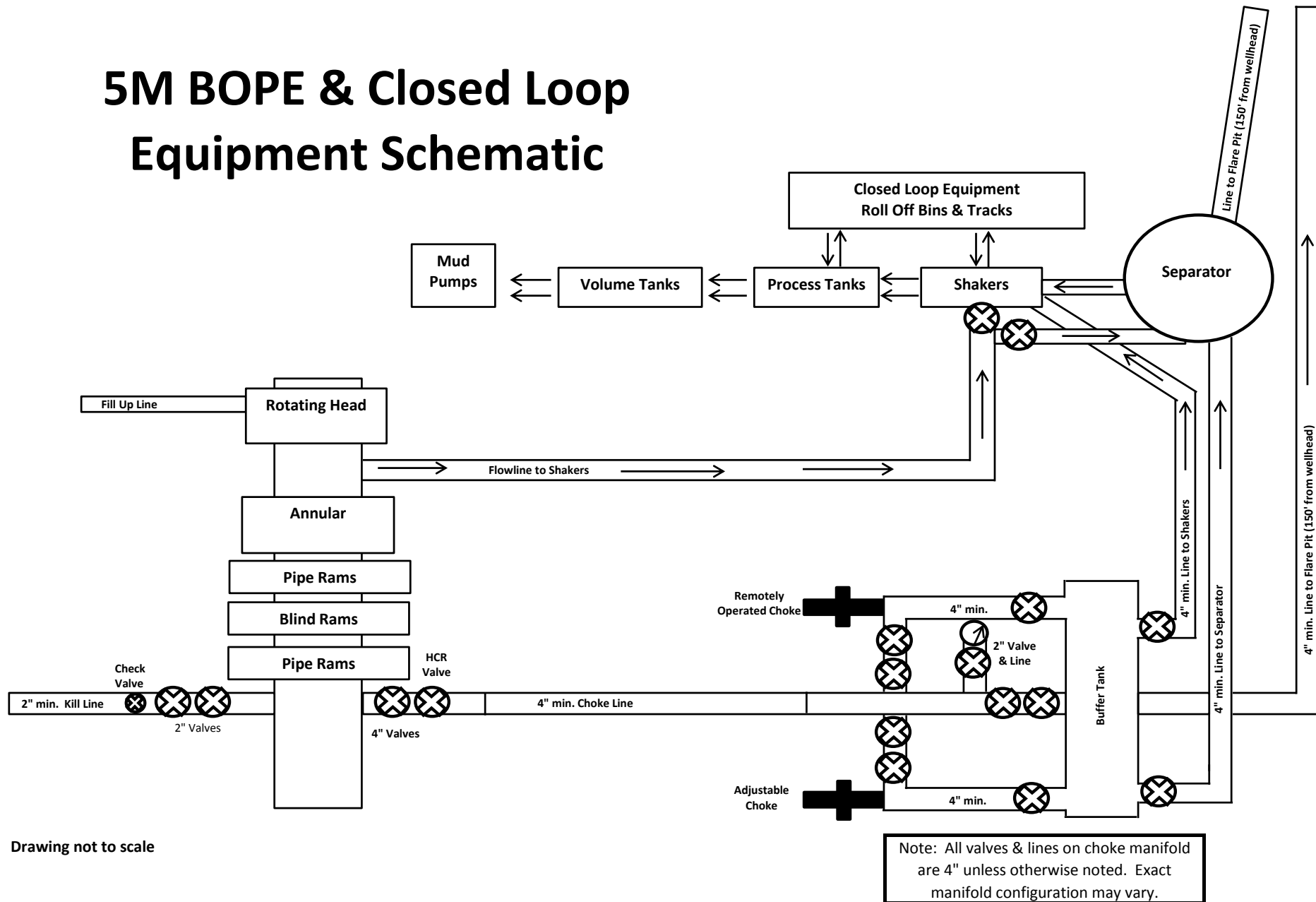
Choctaw_Bingo_Fed_Com_627H_Drlg_Program_20250612094021.pdf
Choctaw_Bingo_Fed_Com_627H_CsgAssumptions_20250612094021.pdf
CHOCTAW_BINGO_FED_COM_627H_NGMP_1_20250612094234.pdf
Choctaw_Bingo_30_29_Fed_Com_627H_Drlg_Program_20250926142324.pdf
CHOCTAW_BINGO_30_29_FED_COM_627H_NGMP_20250926142333.pdf
Choctaw_Bingo_30_29_Fed_Com_627H_CsgAssumptions_20250926142346.pdf

Other Variance request(s)?: Y

Other Variance attachment:

Mewbourne_Break_Testing_Variance_20240311094256.pdf
Mewbourne_Offline_Cementing_Variance_20240311094256.pdf
MOC_Break_Testing_Variance_20250926142354.pdf
MOC_Offline_Cementing_Variance_20250926142359.pdf

5M BOPE & Closed Loop Equipment Schematic



Drawing not to scale

Note: All valves & lines on choke manifold are 4" unless otherwise noted. Exact manifold configuration may vary.

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESTING REPORT

LTYT/QR-5.7.1-28

No: 230826015

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 rd edition
Product Specification	3"×10000psi×60ft (18.29m)	Serial Number	7660144
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
Inspection Department	Q.C. Department	Inspection Date	2023.08.26

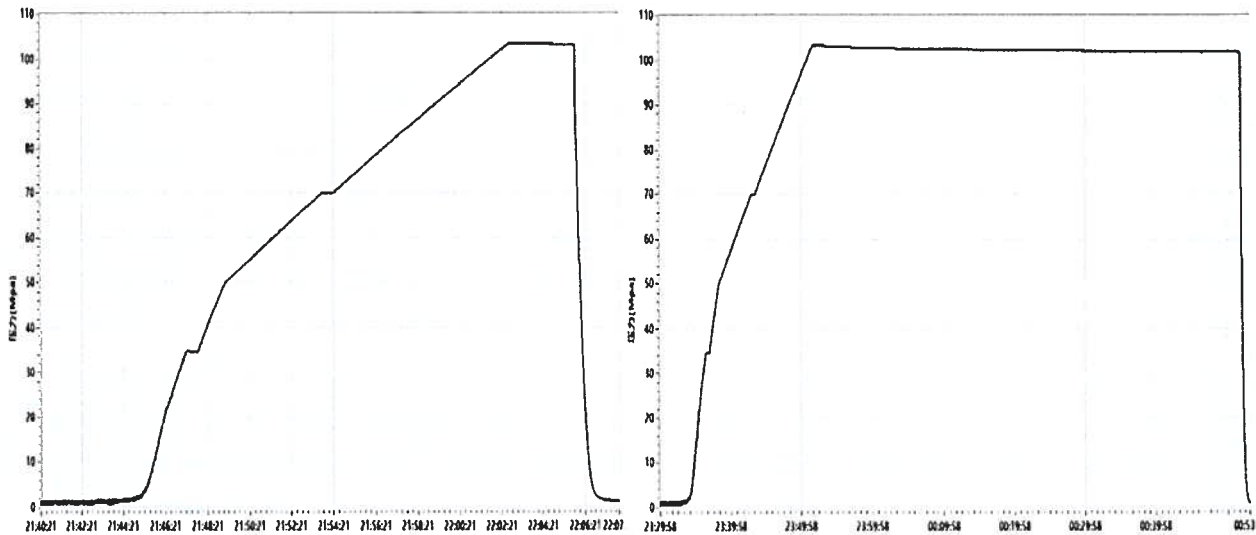
Rate of length change

Standard requirements	At working pressure ,the rate of length change should not more than $\pm 2\%$
Testing result	10000psi (69.0MPa) ,Rate of length change 0.7%

Hydrostatic testing

Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leaks.
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage

Graph of pressure testing:



Conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition		
Approver	Jiaolong Chen	Auditor	Huiling Dong
Inspector	Zhansheng Wang		

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTYQ/QR-5.7.1-19B

No: LT2023-126-002

Customer Name	Austin Hose		
Product Name	Choke And Kill Hose		
Product Specification	3"×10000psi×60ft (18.29m)	Quantity	2PCS
Serial Number	7660143~7660144	FSL	FSL3
Temperature Range	-29℃~+121℃	Standard	API Spec 16C 3 rd edition
Inspection Department	Q.C. Department	Inspection date	2023.08.26

Inspection Items	Inspection results				
Appearance Checking	In accordance with API Spec 16C 3 rd edition				
Size and Lengths	In accordance with API Spec 16C 3 rd edition				
Dimensions and Tolerances	In accordance with API Spec 16C 3 rd edition				
End Connections: 4-1/16"×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21 st edition				
End Connections: 4-1/16"×10000psi Integral flange for sour gas service	In accordance with API Spec 17D 3 rd edition				
Hydrostatic Testing	In accordance with API Spec 16C 3 rd edition				
product Marking	In accordance with API Spec 16C 3 rd edition				
Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition				
Remarks					
Approver	Jiaolong Chen	Auditor	Huiling Dong	Inspector	Zhansheng Wang

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD
CERTIFICATE OF CONFORMANCE

No:LT230826016

Product Name: Choke And Kill Hose

Product Specification: 3"×10000psi×60ft (18.29m)

Serial Number: 7660143~7660144

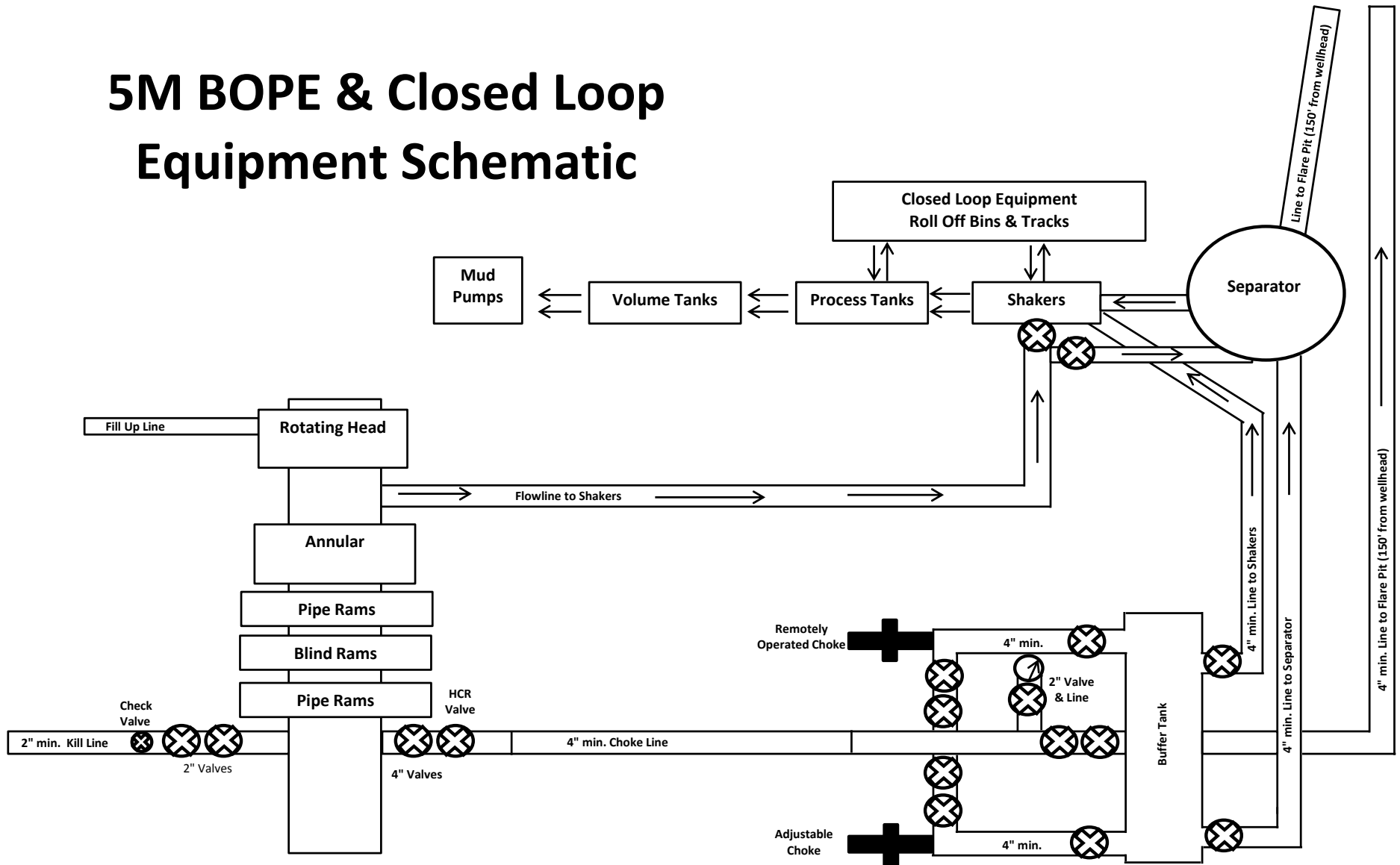
End Connections: 4-1/16"×10000psi Integral flange for sour gas service

The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD . in Aug 2023, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Aug 26, 2023. The overall condition is good. This is to certify that the Choke And Kill Hose complies with all current standards and specifications for API Spec 16C 3rd edition .

QC Manager: *Jianlong Chen*

Date:Aug 26, 2023

5M BOPE & Closed Loop Equipment Schematic



Drawing not to scale

Note: All valves & lines on choke manifold are 4" unless otherwise noted. Exact manifold configuration may vary.



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESTING REPORT

LTYY/QR-5.7.1-28

No: 230826015

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 rd edition
Product Specification	3"×10000psi×60ft (18.29m)	Serial Number	7660144
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
Inspection Department	Q.C. Department	Inspection Date	2023.08.26

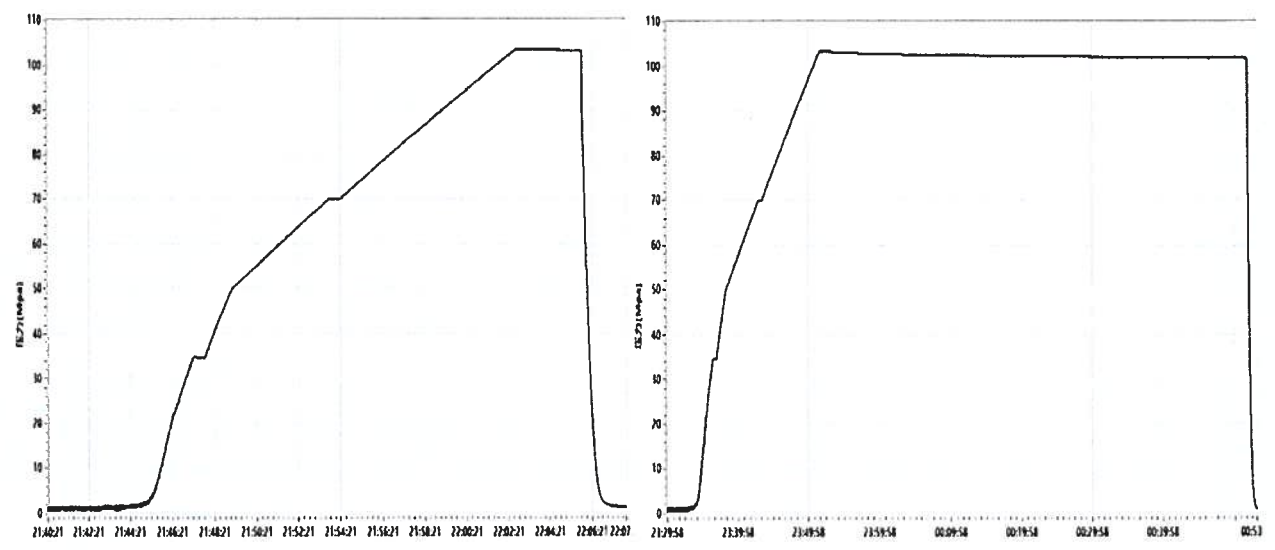
Rate of length change

Standard requirements	At working pressure ,the rate of length change should not more than $\pm 2\%$
Testing result	10000psi (69.0MPa) ,Rate of length change 0.7%

Hydrostatic testing

Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leaks.
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage

Graph of pressure testing:



Conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition		
Approver	Jiaolong Chen	Auditor	Huiling Dong
Inspector	Zhansheng Wang		

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTYQ/QR-5.7.1-19B

No: LT2023-126-002

Customer Name	Austin Hose		
Product Name	Choke And Kill Hose		
Product Specification	3"×10000psi×60ft (18.29m)	Quantity	2PCS
Serial Number	7660143~7660144	FSL	FSL3
Temperature Range	-29℃~+121℃	Standard	API Spec 16C 3 rd edition
Inspection Department	Q.C. Department	Inspection date	2023.08.26

Inspection Items	Inspection results				
Appearance Checking	In accordance with API Spec 16C 3 rd edition				
Size and Lengths	In accordance with API Spec 16C 3 rd edition				
Dimensions and Tolerances	In accordance with API Spec 16C 3 rd edition				
End Connections: 4-1/16"×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21 st edition				
End Connections: 4-1/16"×10000psi Integral flange for sour gas service	In accordance with API Spec 17D 3 rd edition				
Hydrostatic Testing	In accordance with API Spec 16C 3 rd edition				
product Marking	In accordance with API Spec 16C 3 rd edition				
Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition				
Remarks					
Approver	Jiaolong Chen	Auditor	Huiling Dong	Inspector	Zhansheng Wang

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD
CERTIFICATE OF CONFORMANCE

№:LT230826016

Product Name: Choke And Kill Hose

Product Specification: 3"×10000psi×60ft (18.29m)

Serial Number: 7660143~7660144

End Connections: 4-1/16"×10000psi Integral flange for sour gas service

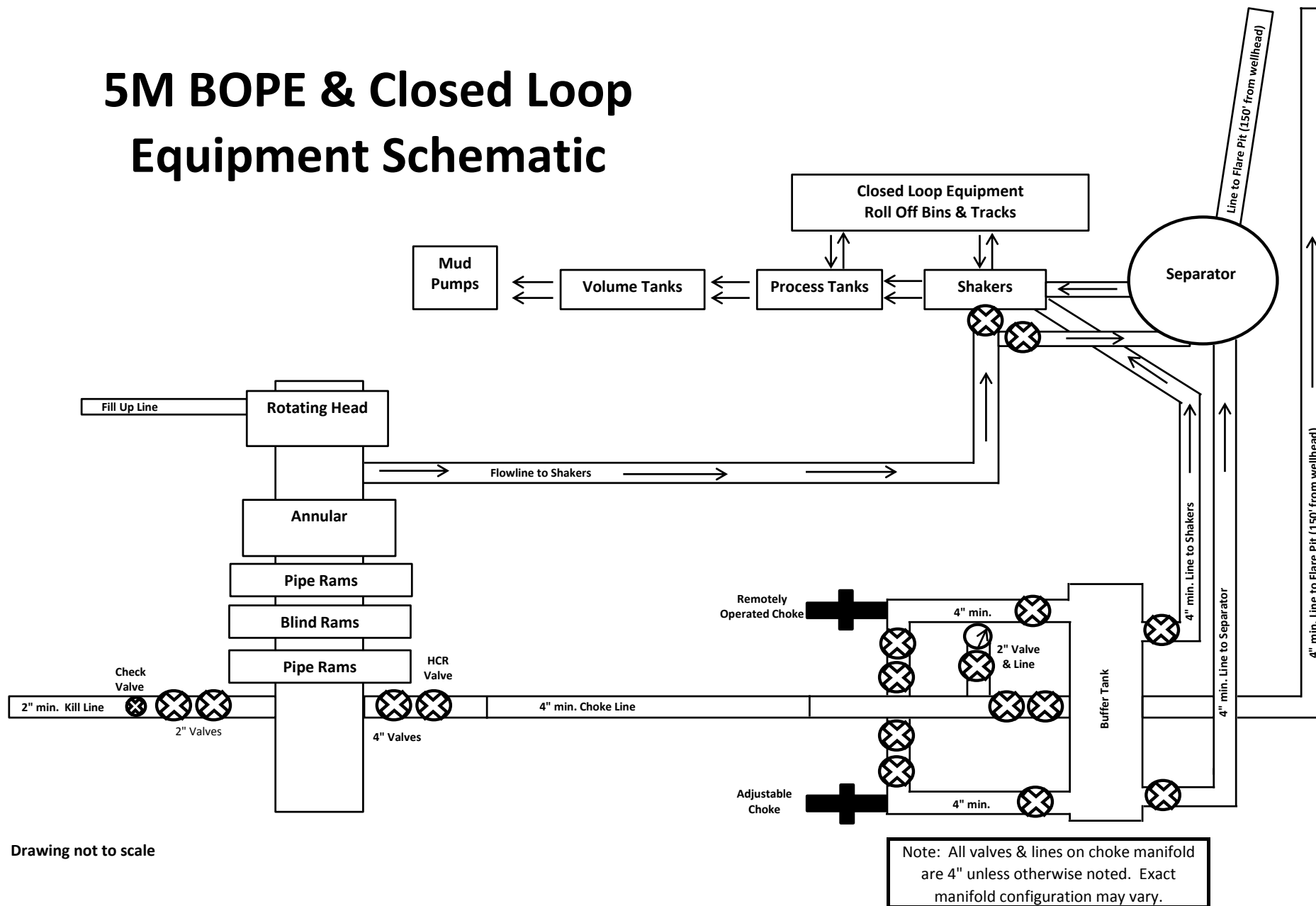
The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD . in Aug 2023, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Aug 26, 2023. The overall condition is good. This is to certify that the Choke And Kill Hose complies with all current standards and specifications for API Spec 16C 3rd edition .

QC Manager:

Jianlong Chen

Date:Aug 26, 2023

5M BOPE & Closed Loop Equipment Schematic



Drawing not to scale



Mewbourne Oil Co.

BOP Break Testing Variance

Mewbourne Oil Company requests a variance from the minimum standards for well control equipment testing of 43 CFR 3172 to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with batch drilling & offline cementing operations. Modern rig upgrades which facilitate pad drilling allow the BOP stack to be moved between wells on a multi-well pad without breaking any BOP stack components apart. Widespread use of these technologies has led to break testing BOPE being endorsed as safe and reliable. American Petroleum Institute (API) best practices are frequently used by regulators to develop their regulations. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (5th Ed., Dec. 2018) Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component."

Procedures

1. Full BOPE test at first installation on the pad.
 - Full BOPE test at least every 21 days.
 - Function test BOP elements per 43 CFR 3172.
 - Contact the BLM if a well control event occurs.
2. After the well section is secured and the well is confirmed to be static, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad. Two breaks on the BOPE will be made (Fig. 1).
 - Connection between the flex line and the HCR valve
 - Connection between the wellhead and the BOP quick connect (Fig. 5 & 6).
3. A capping flange will be installed after cementing per wellhead vendor procedure & casing pressure will be monitored via wellhead valve.
4. The BOP will be removed and carried by a hydraulic carrier (Fig. 3 & 4).
5. The rig will then walk to the next well.
6. Confirm that the well is static and remove the capping flange.
7. The connection between the flex line and HCR valve and the connection between the wellhead and the BOP quick connect will be reconnected.
8. Install a test plug into the wellhead.
9. A test will then be conducted against the upper pipe rams and choke, testing both breaks (Fig. 1 & 2).
10. The test will be held at 250 psi low and to the high value submitted in the APD, not to exceed 5000 psi.
11. The annular, blind rams and lower pipe rams will then be function tested.
12. If a pad consists of three or more wells, steps 4 through 11 will be repeated.



13. A break test will only be conducted if the intermediate section can be drilled and cased within 21 days of the last full BOPE test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool and/or cement head
- Capping flange after cementing

Summary

A variance is requested to only test broken pressure seals on the BOPE when moving between wells on a multi-well pad if the following conditions are met:

- A full BOPE test is conducted on the first well on the pad. API Standard 53 requires testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater.
- If the first well on the pad is not the well with the deepest intermediate section, a full BOPE test will also be performed when moving to a deeper well.
- The hole section being drilled has a MASP under 5000 psi.
- If a well control event occurs, Mewbourne will contact BLM for permission to continue break testing.
- If significant (>50%) losses occur, full BOPE testing will be required going forward.
- Full BOPE test will be required prior to drilling the production hole.

While walking the rig, the BOP stack will be secured via hydraulic winch or hydraulic carrier. A full BOPE test will be performed at least every 21 days.

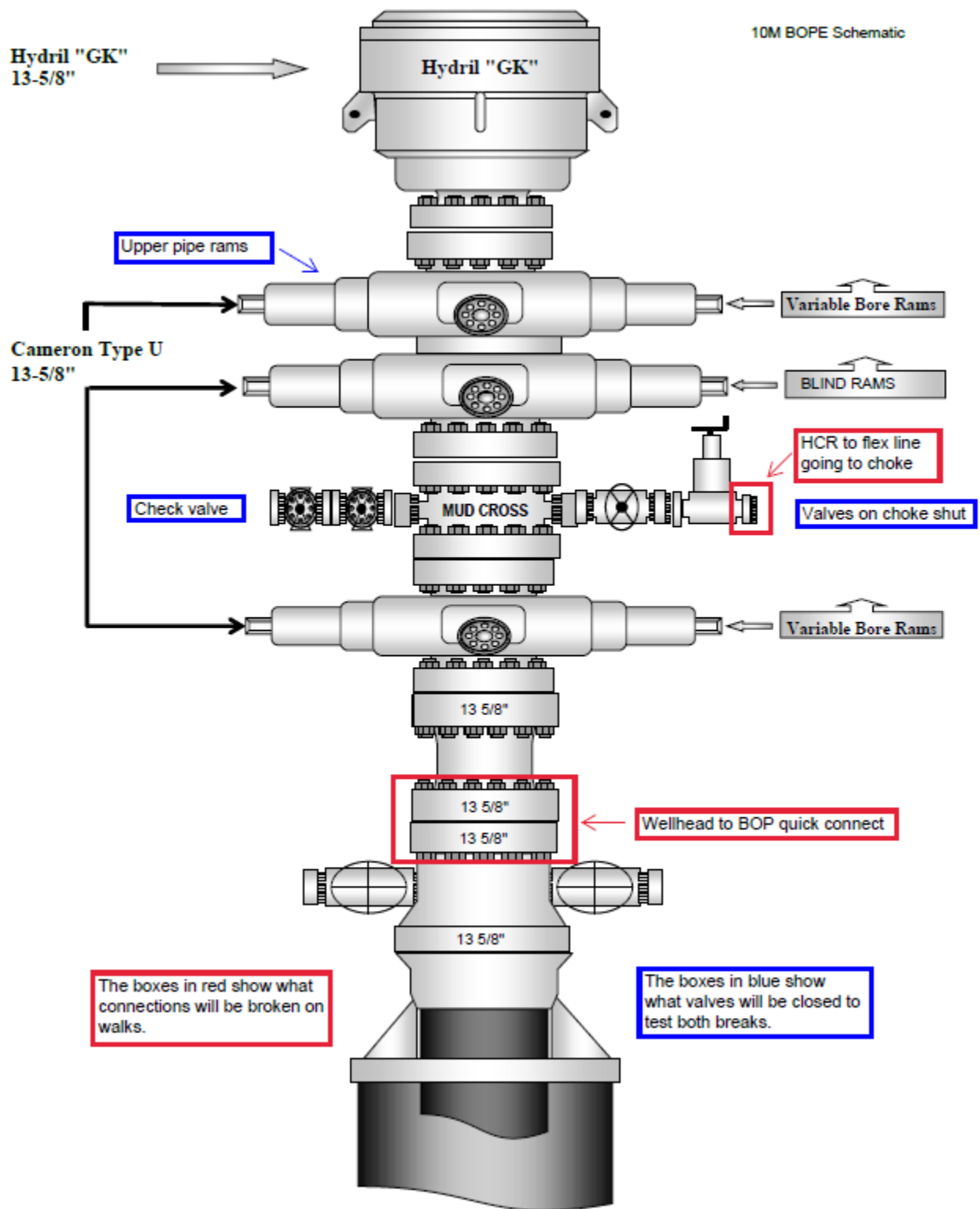


Figure 1. BOP diagram



Figure 3. BOP handling system



Figure 4. BOP handling system

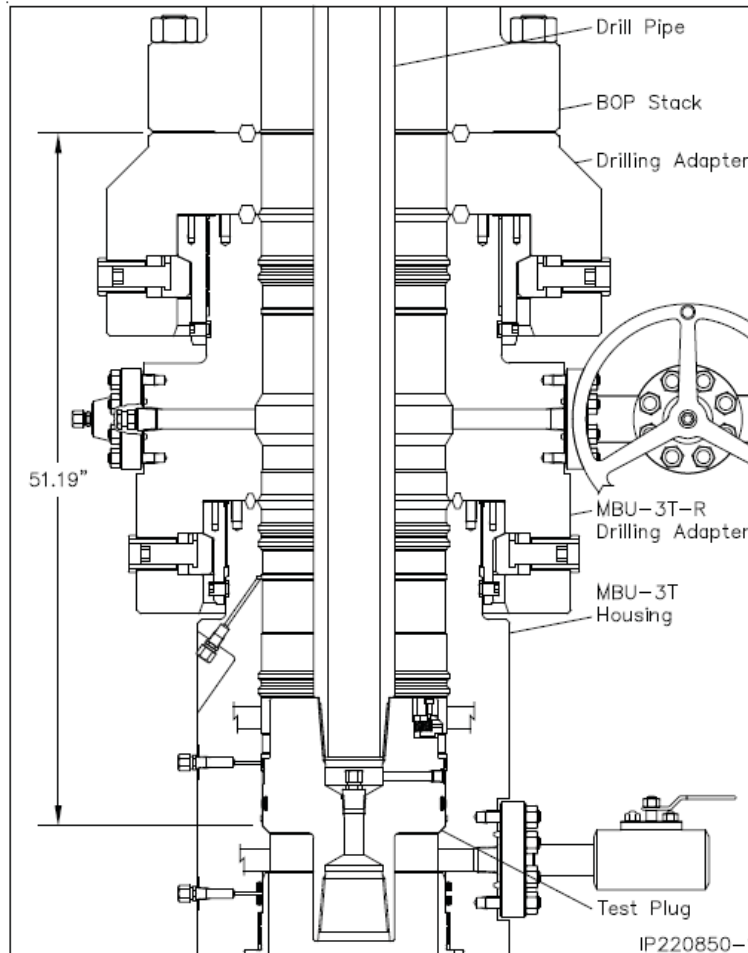


Figure 5. Cactus 5M wellhead with BOP quick connect

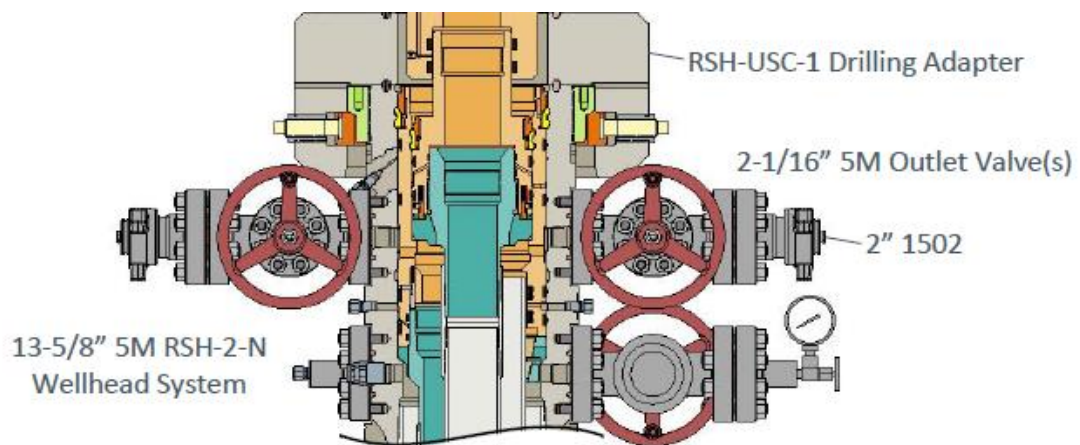
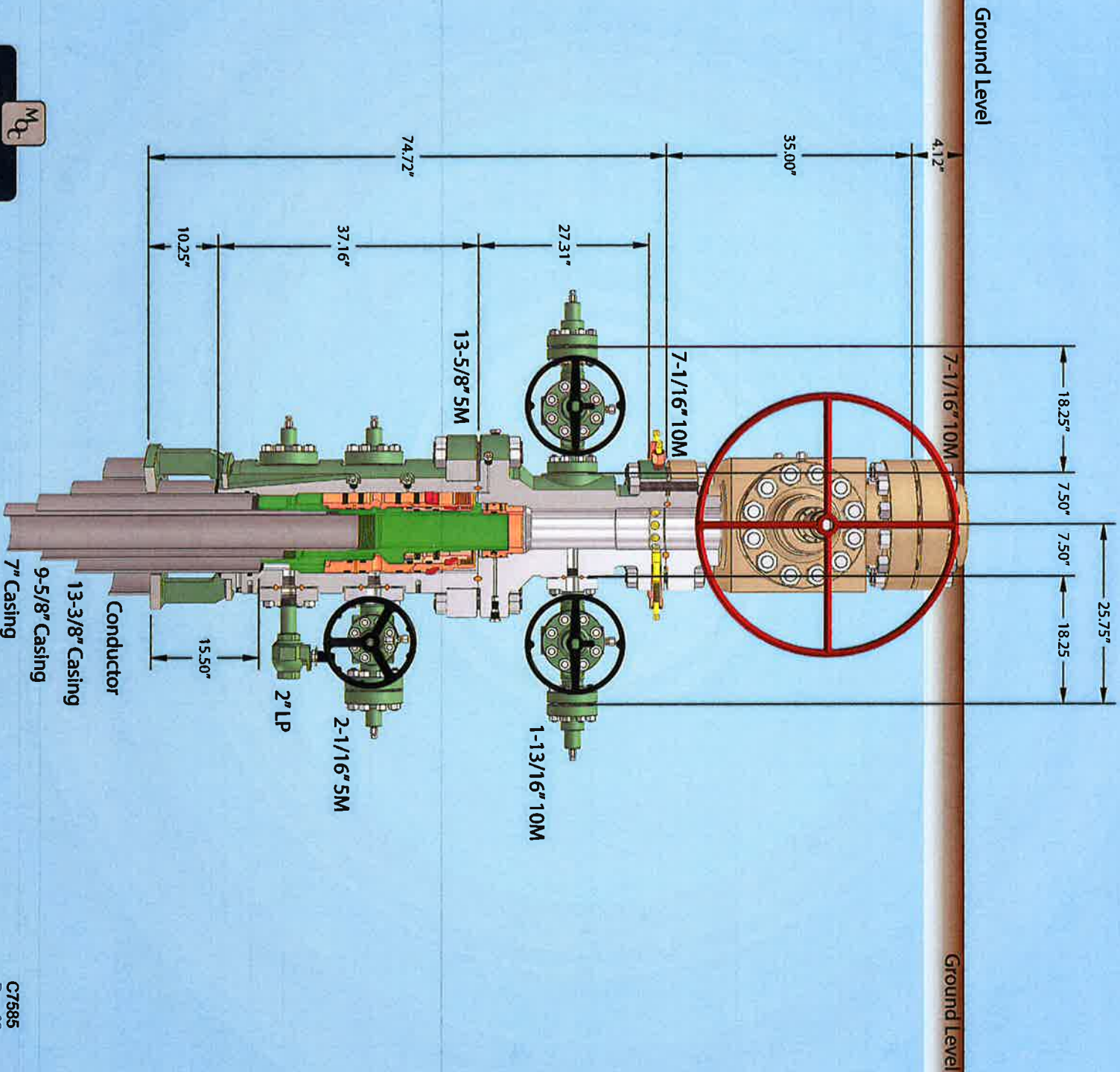


Figure 6. Vault 5M wellhead with BOP quick connect



A Schlumberger Company

13-5/8" MN-DS Wellhead System



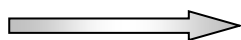
MOC
MEMBOURNE
OIL COMPANY

Equipment 57' conductor cut-off 79

NOTE: All dimensions on this drawing are estimated measurements and should be evaluated by engineering.

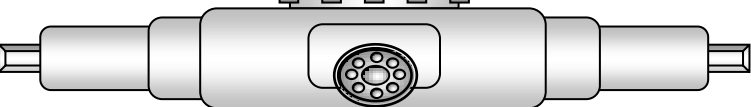
C7885
Rev. 02

Hydril "GK"
13 5/8" 5M

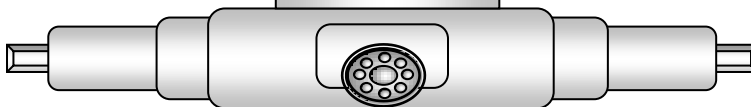


Hydril "GK"

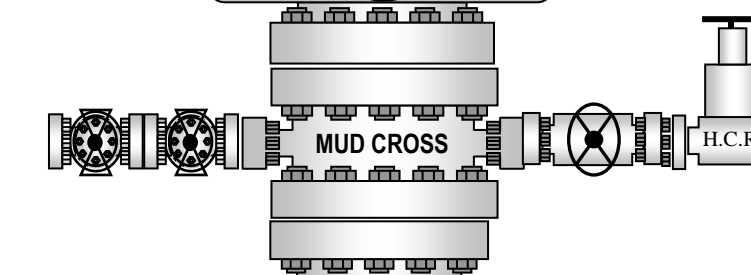
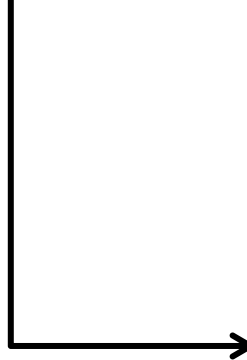
Cameron Type U
13 5/8" 5M



4 1/2" x 5 7/8" VBR

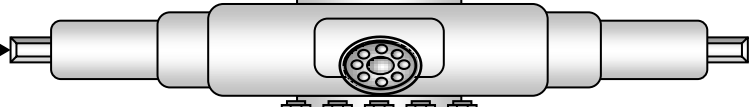


BLIND RAMS



MUD CROSS

H.C.R.

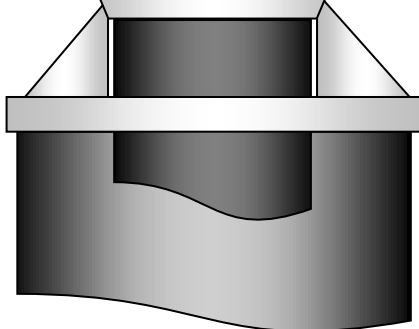
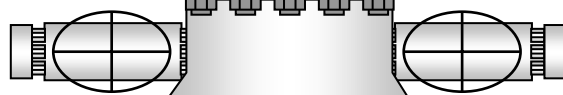


7" RAMS

13 5/8" 5M

13 5/8" 5M

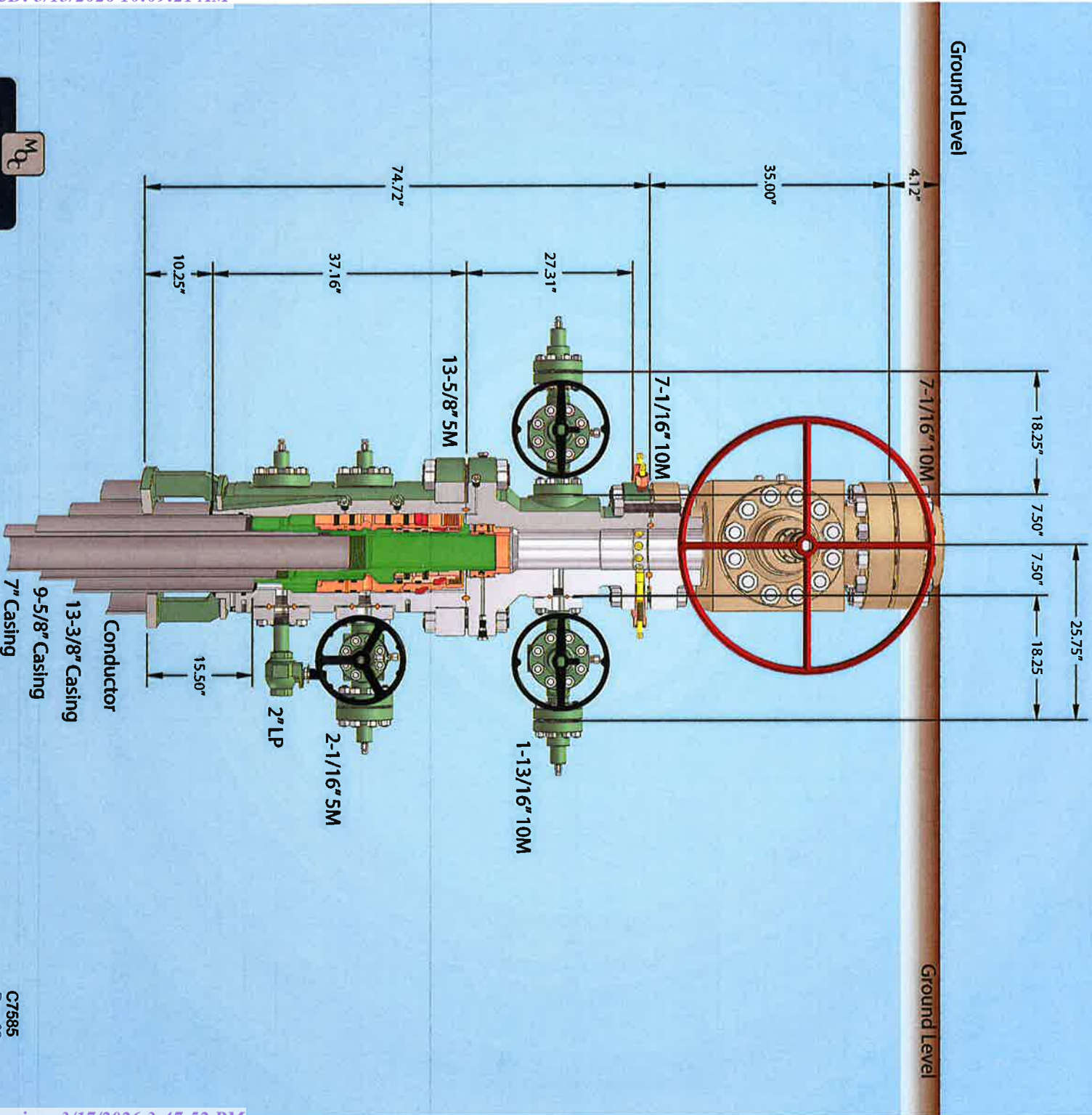
13 5/8" 5M





A Schlumberger Company

13-5/8" MN-DS Wellhead System



MOC
MEMBOURNE
OIL COMPANY

*Equipment change 57' conductor cut-off
79*

NOTE: All dimensions on this drawing are estimated measurements and should be evaluated by engineering.

C7885
Rev. 02

Mewbourne Oil Company, Choctaw Bingo 30/29 Fed Com 627H

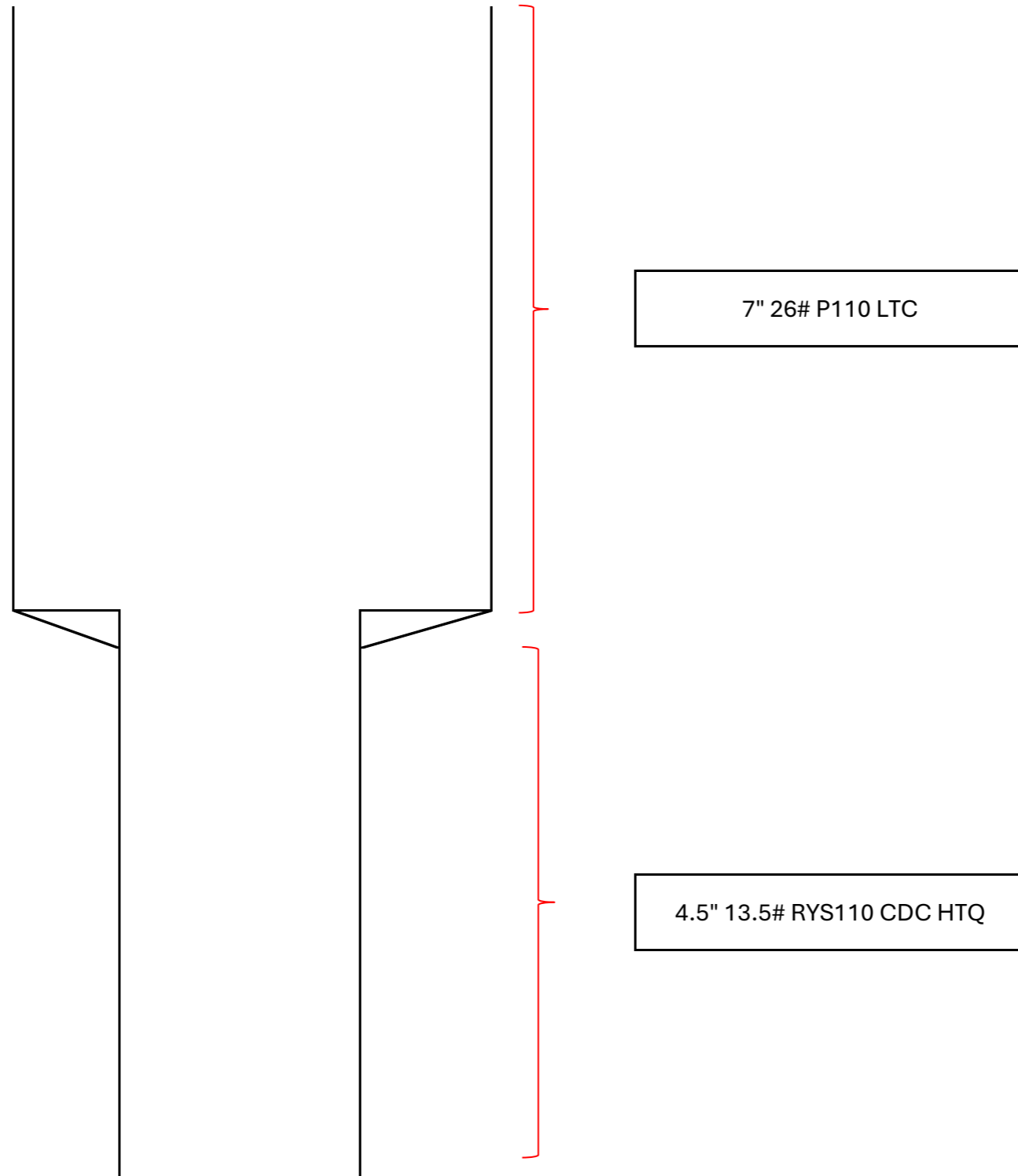
Sec 30, T18S, R32E

SHL: 965' FSL & 380' FWL (Sec 30)

BHL: 660' FSL & 100' FEL (Sec 29)

Casing Design A

Hole Size	From	To	Csg. Size	#/ft	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension	
8.75	0'	9348'	7" 26# P110 LTC					1.32	2.11	2.85	3.41
8.5	9348'	20172'	4.5" 13.5# RYS110 CDC HTQ					1.69	1.97	2.93	2.89



Mewbourne Oil Company, Choctaw Bingo 30/29 Fed Com 627H

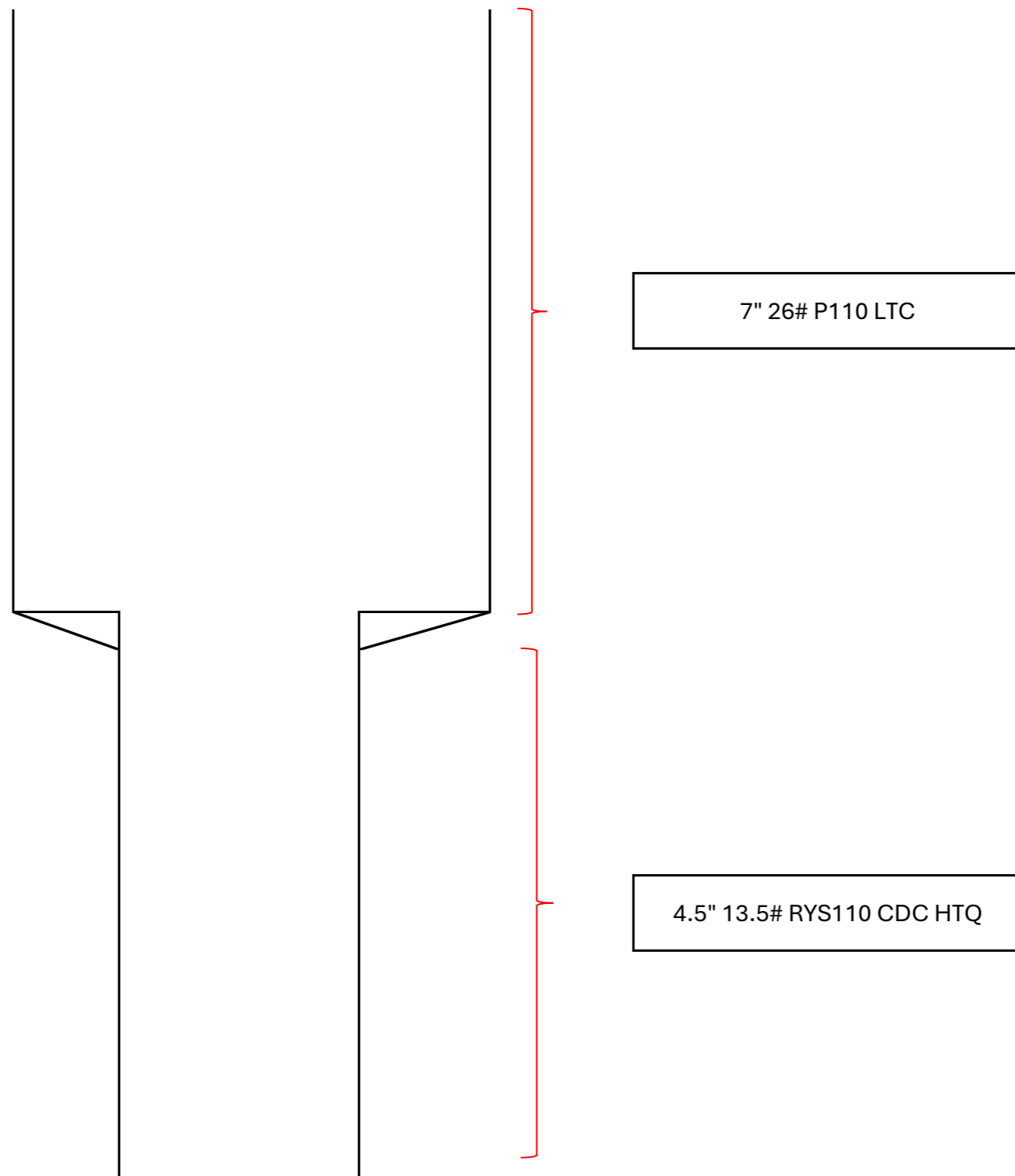
Sec 30, T18S, R32E

SHL: 965' FSL & 380' FWL (Sec 30)

BHL: 660' FSL & 100' FEL (Sec 29)

Casing Design A

Hole Size	From	To	Csg. Size	#/ft	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension	
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8.5	9348'	20172'	4.5" 13.5# RYS110 CDC HTQ					1.69	1.97	2.93	2.89



Mewbourne Oil Company, Choctaw Bingo 30/29 Fed Com 627H

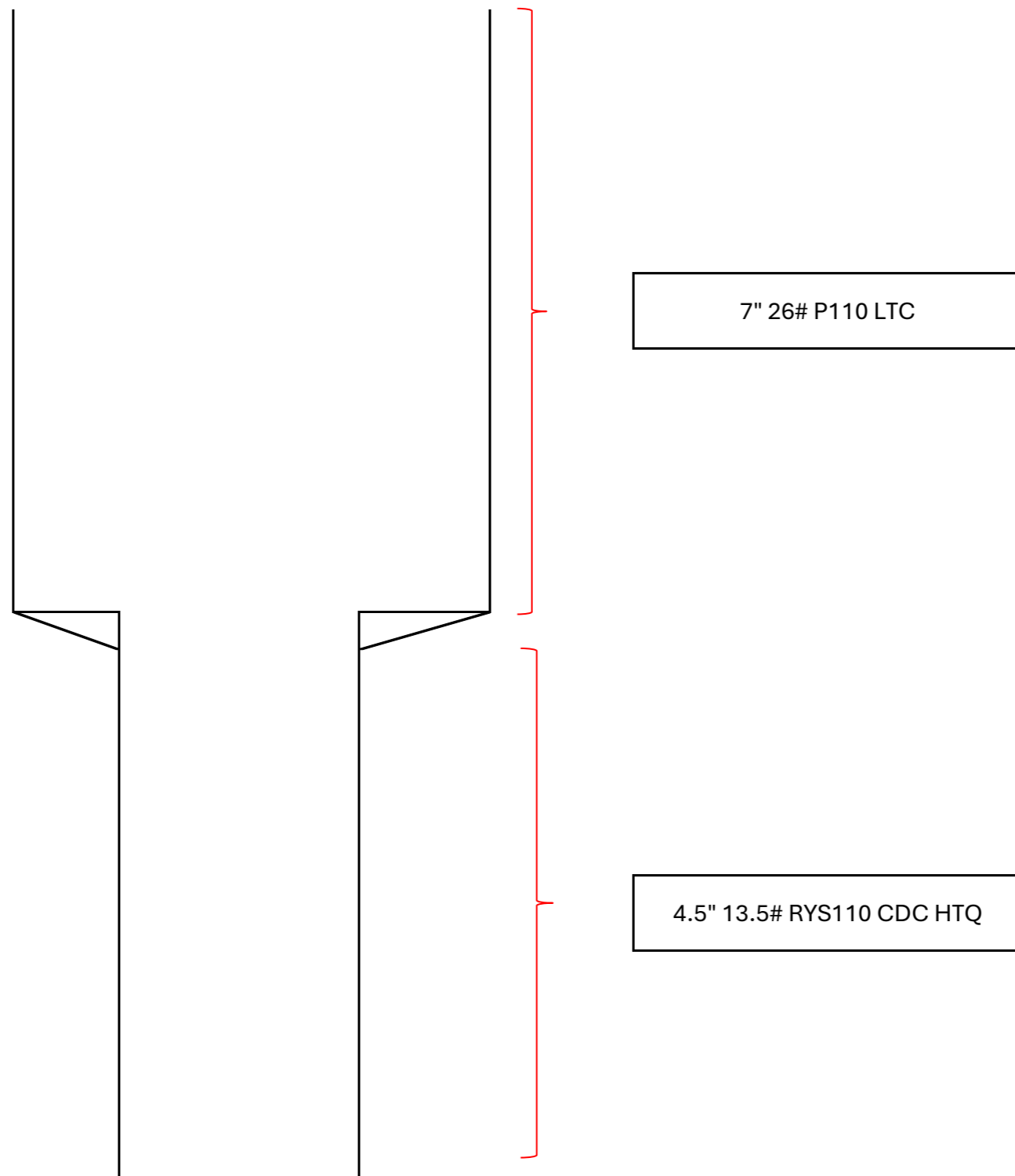
Sec 30, T18S, R32E

SHL: 965' FSL & 380' FWL (Sec 30)

BHL: 660' FSL & 100' FEL (Sec 29)

Casing Design A

Hole Size	From	To	Csg. Size	#/ft	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension	
8.75	0'	9348'	7" 26# P110 LTC					1.32	2.11	2.85	3.41
8.5	9348'	20172'	4.5" 13.5# RYS110 CDC HTQ					1.69	1.97	2.93	2.89





API STC

Coupling	Pipe Body
Grade: H40	Grade: H40
Body: -	1st Band: Black
1st Band: Black	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -

Outside Diameter	13.375 in.	Wall Thickness	0.330 in.	Grade	H40
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry		Performance	
Nominal OD	13.375 in.	Drift	12.559 in.
Wall Thickness	0.330 in.	Plain End Weight	46.02 lb/ft
Nominal Weight	48 lb/ft	OD Tolerance	API
Nominal ID	12.715 in.		
		SMYS	40,000 psi
		Min UTS	60,000 psi
		Body Yield Strength	541 x1000 lb
		Min. Internal Yield Pressure	1730 psi
		Collapse Pressure	740 psi
		Max. Allowed Bending	14 °/100 ft

Connection Data

Geometry		Performance		Make-Up Torques	
Thread per In	8	Joint Strength	322 x1000 lb	Minimum Torque	2420 ft-lb
Connection OD	14.375 in.	Coupling Face Load	377 x1000 lb	Optimum Torque	3220 ft-lb
Hand Tight Stand Off	3.500 in.	Internal Pressure Capacity	1730 psi	Maximum Torque	4030 ft-lb

Notes

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

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API STC

Coupling	Pipe Body
Grade: H40	Grade: H40
Body: -	1st Band: Black
1st Band: Black	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -

Outside Diameter	13.375 in.	Wall Thickness	0.330 in.	Grade	H40
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry				Performance	
Nominal OD	13.375 in.	Drift	12.559 in.	SMYS	40,000 psi
Wall Thickness	0.330 in.	Plain End Weight	46.02 lb/ft	Min UTS	60,000 psi
Nominal Weight	48 lb/ft	OD Tolerance	API	Body Yield Strength	541 x1000 lb
Nominal ID	12.715 in.			Min. Internal Yield Pressure	1730 psi
				Collapse Pressure	740 psi
				Max. Allowed Bending	14 °/100 ft

Connection Data

Geometry		Performance		Make-Up Torques	
Thread per In	8	Joint Strength	322 x1000 lb	Minimum Torque	2420 ft-lb
Connection OD	14.375 in.	Coupling Face Load	377 x1000 lb	Optimum Torque	3220 ft-lb
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Notes

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API LTC

Coupling	Pipe Body
Grade: P110	Grade: P110
Body: White	1st Band: White
1st Band: -	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -

Outside Diameter	7.000 in.	Wall Thickness	0.362 in.	Grade	P110
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry		Performance	
Nominal OD	7.000 in.	Drift	6.151 in.
Wall Thickness	0.362 in.	Plain End Weight	25.69 lb/ft
Nominal Weight	26 lb/ft	OD Tolerance	API
Nominal ID	6.276 in.		
		SMYS	110,000 psi
		Min UTS	125,000 psi
		Body Yield Strength	830 x1000 lb
		Min. Internal Yield Pressure	9960 psi
		Collapse Pressure	6230 psi
		Max. Allowed Bending	72 °/100 ft

Connection Data

Geometry		Performance		Make-Up Torques	
Thread per In	8	Joint Strength	693 x1000 lb	Minimum Torque	5200 ft-lb
Connection OD	7.875 in.	Coupling Face Load	799 x1000 lb	Optimum Torque	6930 ft-lb
Hand Tight Stand Off	3 in.	Internal Pressure Capacity	9960 psi	Maximum Torque	8660 ft-lb

Notes

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

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API LTC

Coupling	Pipe Body
Grade: P110	Grade: P110
Body: White	1st Band: White
1st Band: -	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -

Outside Diameter	7.000 in.	Wall Thickness	0.362 in.	Grade	P110
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry		Performance	
Nominal OD	7.000 in.	Drift	6.151 in.
Wall Thickness	0.362 in.	Plain End Weight	25.69 lb/ft
Nominal Weight	26 lb/ft	OD Tolerance	API
Nominal ID	6.276 in.		
		SMYS	110,000 psi
		Min UTS	125,000 psi
		Body Yield Strength	830 x1000 lb
		Min. Internal Yield Pressure	9960 psi
		Collapse Pressure	6230 psi
		Max. Allowed Bending	72 °/100 ft

Connection Data

Geometry		Performance		Make-Up Torques	
Thread per In	8	Joint Strength	693 x1000 lb	Minimum Torque	5200 ft-lb
Connection OD	7.875 in.	Coupling Face Load	799 x1000 lb	Optimum Torque	6930 ft-lb
Hand Tight Stand Off	3 in.	Internal Pressure Capacity	9960 psi	Maximum Torque	8660 ft-lb

Notes

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API LTC

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

Outside Diameter	9.625 in.	Wall Thickness	0.352 in.	Grade	J55 (Casing)
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry		Performance	
Nominal OD	9.625 in.	Drift	8.765 in.
Wall Thickness	0.352 in.	Plain End Weight	34.89 lb/ft
Nominal Weight	36 lb/ft	OD Tolerance	API
Nominal ID	8.921 in.		
		SMYS	55,000 psi
		Min UTS	75,000 psi
		Body Yield Strength	564 x1000 lb
		Min. Internal Yield Pressure	3520 psi
		Collapse Pressure	2020 psi
		Max. Allowed Bending	26 °/100 ft

Connection Data

Geometry		Performance		Make-Up Torques	
Thread per In	8	Joint Strength	453 x1000 lb	Minimum Torque	3400 ft-lb
Connection OD	10.625 in.	Coupling Face Load	433 x1000 lb	Optimum Torque	4530 ft-lb
Hand Tight Stand Off	3.500 in.	Internal Pressure Capacity	3520 psi	Maximum Torque	5660 ft-lb

Notes

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

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API LTC

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

Outside Diameter	9.625 in.	Wall Thickness	0.352 in.	Grade	J55 (Casing)
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	Regular				

Pipe Body Data

Geometry		Performance	
Nominal OD	9.625 in.	Drift	8.765 in.
Wall Thickness	0.352 in.	Plain End Weight	34.89 lb/ft
Nominal Weight	36 lb/ft	OD Tolerance	API
Nominal ID	8.921 in.		
		SMYS	55,000 psi
		Min UTS	75,000 psi
		Body Yield Strength	564 x1000 lb
		Min. Internal Yield Pressure	3520 psi
		Collapse Pressure	2020 psi
		Max. Allowed Bending	26 °/100 ft

Connection Data

Geometry		Performance		Make-Up Torques	
Thread per In	8	Joint Strength	453 x1000 lb	Minimum Torque	3400 ft-lb
Connection OD	10.625 in.	Coupling Face Load	433 x1000 lb	Optimum Torque	4530 ft-lb
Hand Tight Stand Off	3.500 in.	Internal Pressure Capacity	3520 psi	Maximum Torque	5660 ft-lb

Notes

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

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U. S. Steel Tubular Products

9/28/2023 4:23:14 PM

4.500" 13.50lb/ft (0.290" Wall) USS RYS110 USS-CDC HTQ®



MECHANICAL PROPERTIES	Pipe	USS-CDC HTQ®		--
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	120,000	--	psi	--
DIMENSIONS	Pipe	USS-CDC HTQ®		--
Outside Diameter	4.500	5.250	in.	--
Wall Thickness	0.290	--	in.	--
Inside Diameter	3.920	3.920	in.	--
Standard Drift	3.795	3.795	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	13.50	--	lb/ft	--
Plain End Weight	13.05	--	lb/ft	--
SECTION AREA	Pipe	USS-CDC HTQ®		--
Critical Area	3.836	3.836	sq. in.	--
Joint Efficiency	--	100.0	%	--
PERFORMANCE	Pipe	USS-CDC HTQ®		--
Minimum Collapse Pressure	10,680	10,680	psi	--
External Pressure Leak Resistance	--	8,540	psi	--
Minimum Internal Yield Pressure	12,420	12,420	psi	--
Minimum Pipe Body Yield Strength	422,000	--	lb	--
Joint Strength	--	427,800	lb	--
Compression Rating	--	256,700	lb	--
Reference Length	--	21,126	ft	--
Maximum Uniaxial Bend Rating	--	68.2	deg/100 ft	--
MAKE-UP DATA	Pipe	USS-CDC HTQ®		--
Make-Up Loss	--	4.44	in.	--
Minimum Make-Up Torque	--	7,000	ft-lb	--
Maximum Make-Up Torque	--	10,000	ft-lb	--
Connection Yield Torque	--	12,400	ft-lb	--

UNCONTROLLED

Notes

- Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness and Specified Minimum Yield Strength (SMYS).
- Uniaxial bending rating shown is structural only, and equal to compression efficiency.
- Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
- Reference length is calculated by joint strength divided by nominal threaded and coupled weight with 1.5 safety factor.
- Connection external pressure leak resistance has been verified to 80% API pipe body collapse pressure following the guidelines of API 5C5 Cal II.

Legal Notice

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U. S. Steel Tubular Products
 460 Wildwood Forest Drive, Suite 300S
 Spring, Texas 77380
 1-877-893-9461
 connections@uss.com
 www.usstubular.com



U. S. Steel Tubular Products

9/28/2023 4:23:14 PM

4.500" 13.50lb/ft (0.290" Wall) USS RYS110 USS-CDC HTQ®



MECHANICAL PROPERTIES	Pipe	USS-CDC HTQ®		--
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	120,000	--	psi	--
DIMENSIONS	Pipe	USS-CDC HTQ®		--
Outside Diameter	4.500	5.250	in.	--
Wall Thickness	0.290	--	in.	--
Inside Diameter	3.920	3.920	in.	--
Standard Drift	3.795	3.795	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	13.50	--	lb/ft	--
Plain End Weight	13.05	--	lb/ft	--
SECTION AREA	Pipe	USS-CDC HTQ®		--
Critical Area	3.836	3.836	sq. in.	--
Joint Efficiency	--	100.0	%	--
PERFORMANCE	Pipe	USS-CDC HTQ®		--
Minimum Collapse Pressure	10,680	10,680	psi	--
External Pressure Leak Resistance	--	8,540	psi	--
Minimum Internal Yield Pressure	12,420	12,420	psi	--
Minimum Pipe Body Yield Strength	422,000	--	lb	--
Joint Strength	--	427,800	lb	--
Compression Rating	--	256,700	lb	--
Reference Length	--	21,126	ft	--
Maximum Uniaxial Bend Rating	--	68.2	deg/100 ft	--
MAKE-UP DATA	Pipe	USS-CDC HTQ®		--
Make-Up Loss	--	4.44	in.	--
Minimum Make-Up Torque	--	7,000	ft-lb	--
Maximum Make-Up Torque	--	10,000	ft-lb	--
Connection Yield Torque	--	12,400	ft-lb	--

UNCONTROLLED

Notes

- Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness and Specified Minimum Yield Strength (SMYS).
- Uniaxial bending rating shown is structural only, and equal to compression efficiency.
- Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
- Reference length is calculated by joint strength divided by nominal threaded and coupled weight with 1.5 safety factor.
- Connection external pressure leak resistance has been verified to 80% API pipe body collapse pressure following the guidelines of API 5C5 Cal II.

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U. S. Steel Tubular Products
 460 Wildwood Forest Drive, Suite 300S
 Spring, Texas 77380
 1-877-893-9461
 connections@uss.com
 www.usstubular.com

Hydrogen Sulfide Drilling Operations Plan
Mewbourne Oil Company

1. General Requirements

Rule 118 does not apply to this well because MOC has researched this area and no high concentrations of H₂S were found. MOC will have on location and working all H₂S safety equipment before the Delaware formation for purposes of safety and insurance requirements.

2. Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will have received training from a qualified instructor in the following areas prior to entering the drilling pad area of the well:

1. The hazards and characteristics of hydrogen sulfide gas.
2. The proper use of personal protective equipment and life support systems.
3. The proper use of hydrogen sulfide detectors, alarms, warning systems, briefing areas, evacuation procedures.
4. The proper techniques for first aid and rescue operations.

Additionally, supervisory personnel will be trained in the following areas:

- 1 The effects of hydrogen sulfide on metal components. If high tensile tubular systems are utilized, supervisory personnel will be trained in their special maintenance requirements.
- 2 Corrective action and shut in procedures, blowout prevention, and well control procedures while drilling a well.
- 3 The contents of the Hydrogen Sulfide Drilling Operations Plan.

There will be an initial training session prior to encountering a known hydrogen sulfide source. The initial training session shall include a review of the site specific Hydrogen Sulfide Drilling Operations Plan.

3. Hydrogen Sulfide Safety Equipment and Systems

All hydrogen sulfide safety equipment and systems will be installed, tested, and operational prior to drilling below the 9 5/8" intermediate casing.

1. Well Control Equipment
 - A. Choke manifold with minimum of one adjustable choke/remote choke.
 - B. Blowout preventers equipped with blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
 - C. Auxiliary equipment including annular type blowout preventer.
2. Protective Equipment for Essential Personnel

Thirty minute self contained work unit located in the dog house and at briefing areas.

Additionally: If H₂S is encountered in concentrations less than 10 ppm, fans will be placed in work areas to prevent the accumulation of hazardous amounts of poisonous gas. If higher concentrations of H₂S are detected the well will be shut in and a rotating head, mud/gas separator, remote choke and flare line with igniter will be installed.

- 3. Hydrogen Sulfide Protection and Monitoring Equipment
Two portable hydrogen sulfide monitors positioned on location for optimum coverage and detection. The units shall have audible sirens to notify personnel when hydrogen sulfide levels exceed 20 PPM.
- 4. Visual Warning Systems
 - A. Wind direction indicators as indicated on the wellsite diagram.
 - B. Caution signs shall be posted on roads providing access to location. Signs shall be painted a high visibility color with lettering of sufficient size to be readable at reasonable distances from potentially contaminated areas.

4. Mud Program

The mud program has been designed to minimize the amount of hydrogen sulfide entrained in the mud system. Proper mud weight, safe drilling practices, and the use of hydrogen sulfide scavengers will minimize hazards while drilling the well.

5. Metallurgy

All tubular systems, wellheads, blowout preventers, drilling spools, kill lines, choke manifolds, and valves shall be suitable for service in a hydrogen sulfide environment when chemically treated.

6. Communications

State & County Officials phone numbers are posted on rig floor and supervisors trailer. Communications in company vehicles and toolpushers are either two way radios or cellular phones.

7. Well Testing

Drill stem testing is not an anticipated requirement for evaluation of this well. If a drill stem test is required, it will be conducted with a minimum number of personnel in the immediate vicinity. The test will be conducted during daylight hours only.

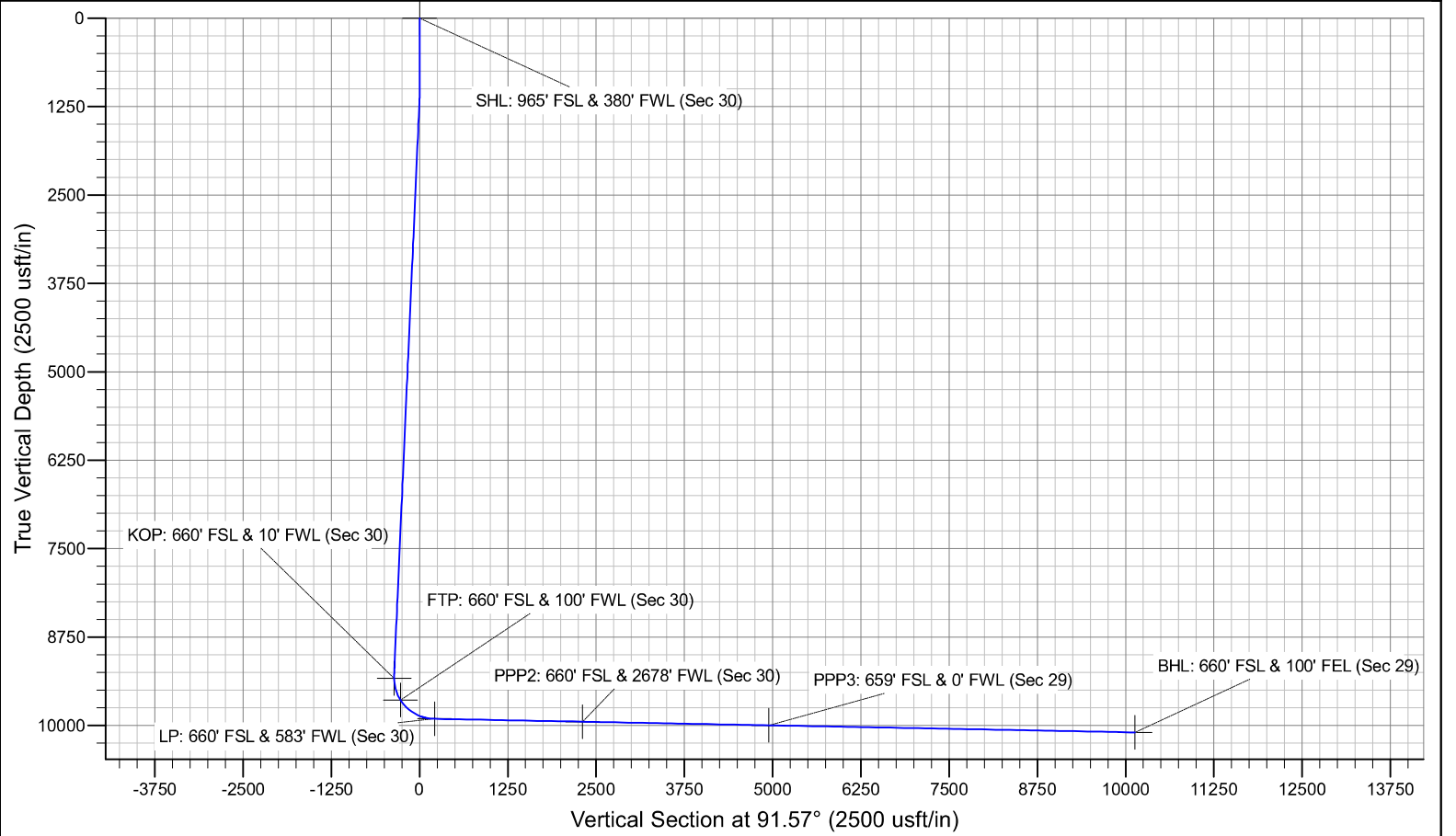
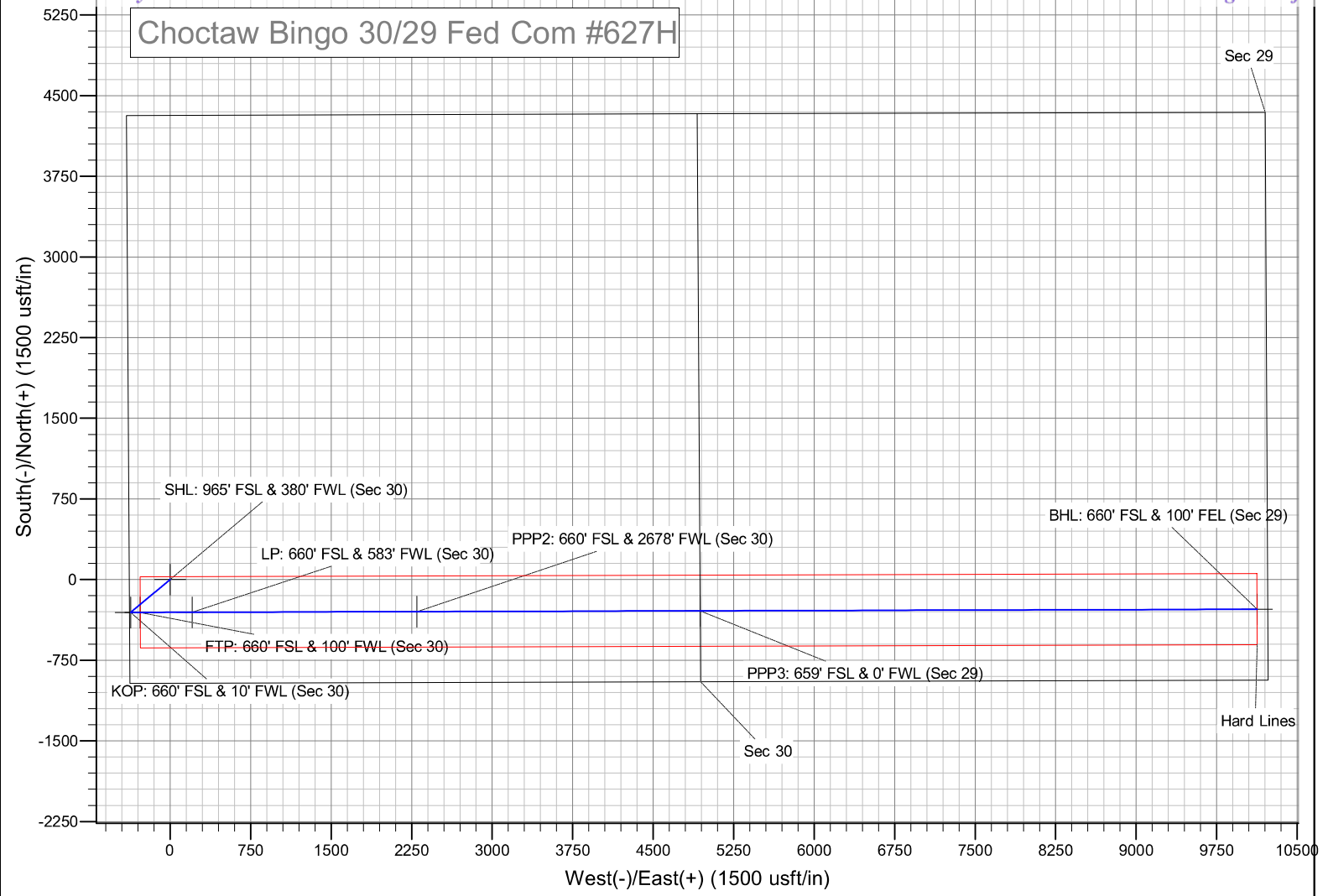
8. Emergency Phone Numbers

Eddy County Sheriff's Office	911 or 575-887-7551
Ambulance Service	911 or 575-885-2111
Carlsbad Fire Dept	911 or 575-885-2111
Loco Hills Volunteer Fire Dept.	911 or 575-677-3266
Closest Medical Facility - Columbia Medical Center of Carlsbad	575-492-5000

Mewbourne Oil Company	Hobbs District Office	575-393-5905
	Fax	575-397-6252
	2nd Fax	575-393-7259

District Manager	Robin Terrell	575-390-4816
Drilling Superintendent	Frosty Lathan	575-390-4103
	Bradley Bishop	575-390-6838
Drilling Foreman	Wesley Noseff	575-441-0729

Choctaw Bingo 30/29 Fed Com #627H



Mewbourne Oil Company

Lea County, New Mexico NAD 83
Choctaw Bingo 30/29 Fed Com #627H
Sec 30, T18S, R32E
SHL: 965' FSL & 380' FWL (Sec 30)
BHL: 660' FSL & 100' FEL (Sec 29)

Plan: Design #1

Standard Planning Report

10 February, 2025

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Project	Lea County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Choctaw Bingo 30/29 Fed Com #627H				
Site Position:		Northing:	623,869.30 usft	Latitude:	32.7139784
From:	Map	Easting:	701,331.90 usft	Longitude:	-103.8131341
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	Sec 30, T18S, R32E					
Well Position	+N-S	0.0 usft	Northing:	623,869.30 usft	Latitude:	32.7139784
	+E-W	0.0 usft	Easting:	701,331.90 usft	Longitude:	-103.8131341
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,703.0 usft	Ground Level:	3,675.0 usft
Grid Convergence:	0.28 °					

Wellbore	BHL: 660' FSL & 100' FEL (Sec 29)				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.30	60.51	48,528.26060896

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.0	0.0	0.0	91.57

Plan Survey Tool Program	Date	2/10/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,172.8	Design #1 (BHL: 660' FSL & 100')	

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	
1,025.0	0.00	0.00	1,025.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,193.3	3.37	230.27	1,193.2	-3.2	-3.8	2.00	2.00	0.00	230.27	
9,179.7	3.37	230.27	9,165.8	-302.8	-364.4	0.00	0.00	0.00	0.00	
9,348.0	0.00	0.00	9,334.0	-306.0	-368.2	2.00	-2.00	0.00	180.00	KOP: 660' FSL & 10' F
10,237.1	88.89	89.84	9,907.0	-304.4	193.8	10.00	10.00	0.00	89.84	
20,172.8	88.89	89.84	10,099.0	-276.7	10,127.6	0.00	0.00	0.00	0.00	BHL: 660' FSL & 100'

Planning Report

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Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
SHL: 965' FSL & 380' FWL (Sec 30)										
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
650.0	0.00	0.00	650.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
750.0	0.00	0.00	750.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
850.0	0.00	0.00	850.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
950.0	0.00	0.00	950.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,025.0	0.00	0.00	1,025.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,050.0	0.50	230.27	1,050.0	-0.1	-0.1	-0.1	2.00	2.00	0.00	
1,100.0	1.50	230.27	1,100.0	-0.6	-0.8	-0.7	2.00	2.00	0.00	
1,150.0	2.50	230.27	1,150.0	-1.7	-2.1	-2.0	2.00	2.00	0.00	
1,193.3	3.37	230.27	1,193.2	-3.2	-3.8	-3.7	2.00	2.00	0.00	
1,200.0	3.37	230.27	1,199.9	-3.4	-4.1	-4.0	0.00	0.00	0.00	
1,250.0	3.37	230.27	1,249.8	-5.3	-6.4	-6.2	0.00	0.00	0.00	
1,300.0	3.37	230.27	1,299.7	-7.2	-8.6	-8.4	0.00	0.00	0.00	
1,350.0	3.37	230.27	1,349.6	-9.0	-10.9	-10.6	0.00	0.00	0.00	
1,400.0	3.37	230.27	1,399.5	-10.9	-13.1	-12.8	0.00	0.00	0.00	
1,450.0	3.37	230.27	1,449.5	-12.8	-15.4	-15.0	0.00	0.00	0.00	
1,500.0	3.37	230.27	1,499.4	-14.7	-17.6	-17.2	0.00	0.00	0.00	
1,550.0	3.37	230.27	1,549.3	-16.5	-19.9	-19.4	0.00	0.00	0.00	
1,600.0	3.37	230.27	1,599.2	-18.4	-22.2	-21.7	0.00	0.00	0.00	
1,650.0	3.37	230.27	1,649.1	-20.3	-24.4	-23.9	0.00	0.00	0.00	
1,700.0	3.37	230.27	1,699.0	-22.2	-26.7	-26.1	0.00	0.00	0.00	
1,750.0	3.37	230.27	1,748.9	-24.0	-28.9	-28.3	0.00	0.00	0.00	
1,800.0	3.37	230.27	1,798.9	-25.9	-31.2	-30.5	0.00	0.00	0.00	
1,850.0	3.37	230.27	1,848.8	-27.8	-33.5	-32.7	0.00	0.00	0.00	
1,900.0	3.37	230.27	1,898.7	-29.7	-35.7	-34.9	0.00	0.00	0.00	
1,950.0	3.37	230.27	1,948.6	-31.6	-38.0	-37.1	0.00	0.00	0.00	
2,000.0	3.37	230.27	1,998.5	-33.4	-40.2	-39.3	0.00	0.00	0.00	
2,050.0	3.37	230.27	2,048.4	-35.3	-42.5	-41.5	0.00	0.00	0.00	
2,100.0	3.37	230.27	2,098.3	-37.2	-44.7	-43.7	0.00	0.00	0.00	
2,150.0	3.37	230.27	2,148.3	-39.1	-47.0	-45.9	0.00	0.00	0.00	
2,200.0	3.37	230.27	2,198.2	-40.9	-49.3	-48.1	0.00	0.00	0.00	
2,250.0	3.37	230.27	2,248.1	-42.8	-51.5	-50.3	0.00	0.00	0.00	
2,300.0	3.37	230.27	2,298.0	-44.7	-53.8	-52.5	0.00	0.00	0.00	
2,350.0	3.37	230.27	2,347.9	-46.6	-56.0	-54.7	0.00	0.00	0.00	
2,400.0	3.37	230.27	2,397.8	-48.4	-58.3	-56.9	0.00	0.00	0.00	
2,450.0	3.37	230.27	2,447.7	-50.3	-60.5	-59.1	0.00	0.00	0.00	
2,500.0	3.37	230.27	2,497.6	-52.2	-62.8	-61.4	0.00	0.00	0.00	

Planning Report

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Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,550.0	3.37	230.27	2,547.6	-54.1	-65.1	-63.6	0.00	0.00	0.00
2,600.0	3.37	230.27	2,597.5	-55.9	-67.3	-65.8	0.00	0.00	0.00
2,650.0	3.37	230.27	2,647.4	-57.8	-69.6	-68.0	0.00	0.00	0.00
2,700.0	3.37	230.27	2,697.3	-59.7	-71.8	-70.2	0.00	0.00	0.00
2,750.0	3.37	230.27	2,747.2	-61.6	-74.1	-72.4	0.00	0.00	0.00
2,800.0	3.37	230.27	2,797.1	-63.4	-76.3	-74.6	0.00	0.00	0.00
2,850.0	3.37	230.27	2,847.0	-65.3	-78.6	-76.8	0.00	0.00	0.00
2,900.0	3.37	230.27	2,897.0	-67.2	-80.9	-79.0	0.00	0.00	0.00
2,950.0	3.37	230.27	2,946.9	-69.1	-83.1	-81.2	0.00	0.00	0.00
3,000.0	3.37	230.27	2,996.8	-71.0	-85.4	-83.4	0.00	0.00	0.00
3,050.0	3.37	230.27	3,046.7	-72.8	-87.6	-85.6	0.00	0.00	0.00
3,100.0	3.37	230.27	3,096.6	-74.7	-89.9	-87.8	0.00	0.00	0.00
3,150.0	3.37	230.27	3,146.5	-76.6	-92.1	-90.0	0.00	0.00	0.00
3,200.0	3.37	230.27	3,196.4	-78.5	-94.4	-92.2	0.00	0.00	0.00
3,250.0	3.37	230.27	3,246.4	-80.3	-96.7	-94.4	0.00	0.00	0.00
3,300.0	3.37	230.27	3,296.3	-82.2	-98.9	-96.6	0.00	0.00	0.00
3,350.0	3.37	230.27	3,346.2	-84.1	-101.2	-98.8	0.00	0.00	0.00
3,400.0	3.37	230.27	3,396.1	-86.0	-103.4	-101.1	0.00	0.00	0.00
3,450.0	3.37	230.27	3,446.0	-87.8	-105.7	-103.3	0.00	0.00	0.00
3,500.0	3.37	230.27	3,495.9	-89.7	-108.0	-105.5	0.00	0.00	0.00
3,550.0	3.37	230.27	3,545.8	-91.6	-110.2	-107.7	0.00	0.00	0.00
3,600.0	3.37	230.27	3,595.8	-93.5	-112.5	-109.9	0.00	0.00	0.00
3,650.0	3.37	230.27	3,645.7	-95.3	-114.7	-112.1	0.00	0.00	0.00
3,700.0	3.37	230.27	3,695.6	-97.2	-117.0	-114.3	0.00	0.00	0.00
3,750.0	3.37	230.27	3,745.5	-99.1	-119.2	-116.5	0.00	0.00	0.00
3,800.0	3.37	230.27	3,795.4	-101.0	-121.5	-118.7	0.00	0.00	0.00
3,850.0	3.37	230.27	3,845.3	-102.8	-123.8	-120.9	0.00	0.00	0.00
3,900.0	3.37	230.27	3,895.2	-104.7	-126.0	-123.1	0.00	0.00	0.00
3,950.0	3.37	230.27	3,945.1	-106.6	-128.3	-125.3	0.00	0.00	0.00
4,000.0	3.37	230.27	3,995.1	-108.5	-130.5	-127.5	0.00	0.00	0.00
4,050.0	3.37	230.27	4,045.0	-110.4	-132.8	-129.7	0.00	0.00	0.00
4,100.0	3.37	230.27	4,094.9	-112.2	-135.0	-131.9	0.00	0.00	0.00
4,150.0	3.37	230.27	4,144.8	-114.1	-137.3	-134.1	0.00	0.00	0.00
4,200.0	3.37	230.27	4,194.7	-116.0	-139.6	-136.3	0.00	0.00	0.00
4,250.0	3.37	230.27	4,244.6	-117.9	-141.8	-138.5	0.00	0.00	0.00
4,300.0	3.37	230.27	4,294.5	-119.7	-144.1	-140.7	0.00	0.00	0.00
4,350.0	3.37	230.27	4,344.5	-121.6	-146.3	-143.0	0.00	0.00	0.00
4,400.0	3.37	230.27	4,394.4	-123.5	-148.6	-145.2	0.00	0.00	0.00
4,450.0	3.37	230.27	4,444.3	-125.4	-150.8	-147.4	0.00	0.00	0.00
4,500.0	3.37	230.27	4,494.2	-127.2	-153.1	-149.6	0.00	0.00	0.00
4,550.0	3.37	230.27	4,544.1	-129.1	-155.4	-151.8	0.00	0.00	0.00
4,600.0	3.37	230.27	4,594.0	-131.0	-157.6	-154.0	0.00	0.00	0.00
4,650.0	3.37	230.27	4,643.9	-132.9	-159.9	-156.2	0.00	0.00	0.00
4,700.0	3.37	230.27	4,693.9	-134.7	-162.1	-158.4	0.00	0.00	0.00
4,750.0	3.37	230.27	4,743.8	-136.6	-164.4	-160.6	0.00	0.00	0.00
4,800.0	3.37	230.27	4,793.7	-138.5	-166.6	-162.8	0.00	0.00	0.00
4,850.0	3.37	230.27	4,843.6	-140.4	-168.9	-165.0	0.00	0.00	0.00
4,900.0	3.37	230.27	4,893.5	-142.2	-171.2	-167.2	0.00	0.00	0.00
4,950.0	3.37	230.27	4,943.4	-144.1	-173.4	-169.4	0.00	0.00	0.00
5,000.0	3.37	230.27	4,993.3	-146.0	-175.7	-171.6	0.00	0.00	0.00
5,050.0	3.37	230.27	5,043.3	-147.9	-177.9	-173.8	0.00	0.00	0.00
5,100.0	3.37	230.27	5,093.2	-149.8	-180.2	-176.0	0.00	0.00	0.00
5,150.0	3.37	230.27	5,143.1	-151.6	-182.5	-178.2	0.00	0.00	0.00
5,200.0	3.37	230.27	5,193.0	-153.5	-184.7	-180.4	0.00	0.00	0.00

Planning Report

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Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,250.0	3.37	230.27	5,242.9	-155.4	-187.0	-182.7	0.00	0.00	0.00	
5,300.0	3.37	230.27	5,292.8	-157.3	-189.2	-184.9	0.00	0.00	0.00	
5,350.0	3.37	230.27	5,342.7	-159.1	-191.5	-187.1	0.00	0.00	0.00	
5,400.0	3.37	230.27	5,392.6	-161.0	-193.7	-189.3	0.00	0.00	0.00	
5,450.0	3.37	230.27	5,442.6	-162.9	-196.0	-191.5	0.00	0.00	0.00	
5,500.0	3.37	230.27	5,492.5	-164.8	-198.3	-193.7	0.00	0.00	0.00	
5,550.0	3.37	230.27	5,542.4	-166.6	-200.5	-195.9	0.00	0.00	0.00	
5,600.0	3.37	230.27	5,592.3	-168.5	-202.8	-198.1	0.00	0.00	0.00	
5,650.0	3.37	230.27	5,642.2	-170.4	-205.0	-200.3	0.00	0.00	0.00	
5,700.0	3.37	230.27	5,692.1	-172.3	-207.3	-202.5	0.00	0.00	0.00	
5,750.0	3.37	230.27	5,742.0	-174.1	-209.5	-204.7	0.00	0.00	0.00	
5,800.0	3.37	230.27	5,792.0	-176.0	-211.8	-206.9	0.00	0.00	0.00	
5,850.0	3.37	230.27	5,841.9	-177.9	-214.1	-209.1	0.00	0.00	0.00	
5,900.0	3.37	230.27	5,891.8	-179.8	-216.3	-211.3	0.00	0.00	0.00	
5,950.0	3.37	230.27	5,941.7	-181.7	-218.6	-213.5	0.00	0.00	0.00	
6,000.0	3.37	230.27	5,991.6	-183.5	-220.8	-215.7	0.00	0.00	0.00	
6,050.0	3.37	230.27	6,041.5	-185.4	-223.1	-217.9	0.00	0.00	0.00	
6,100.0	3.37	230.27	6,091.4	-187.3	-225.3	-220.1	0.00	0.00	0.00	
6,150.0	3.37	230.27	6,141.4	-189.2	-227.6	-222.4	0.00	0.00	0.00	
6,200.0	3.37	230.27	6,191.3	-191.0	-229.9	-224.6	0.00	0.00	0.00	
6,250.0	3.37	230.27	6,241.2	-192.9	-232.1	-226.8	0.00	0.00	0.00	
6,300.0	3.37	230.27	6,291.1	-194.8	-234.4	-229.0	0.00	0.00	0.00	
6,350.0	3.37	230.27	6,341.0	-196.7	-236.6	-231.2	0.00	0.00	0.00	
6,400.0	3.37	230.27	6,390.9	-198.5	-238.9	-233.4	0.00	0.00	0.00	
6,450.0	3.37	230.27	6,440.8	-200.4	-241.1	-235.6	0.00	0.00	0.00	
6,500.0	3.37	230.27	6,490.7	-202.3	-243.4	-237.8	0.00	0.00	0.00	
6,550.0	3.37	230.27	6,540.7	-204.2	-245.7	-240.0	0.00	0.00	0.00	
6,600.0	3.37	230.27	6,590.6	-206.0	-247.9	-242.2	0.00	0.00	0.00	
6,650.0	3.37	230.27	6,640.5	-207.9	-250.2	-244.4	0.00	0.00	0.00	
6,700.0	3.37	230.27	6,690.4	-209.8	-252.4	-246.6	0.00	0.00	0.00	
6,750.0	3.37	230.27	6,740.3	-211.7	-254.7	-248.8	0.00	0.00	0.00	
6,800.0	3.37	230.27	6,790.2	-213.5	-257.0	-251.0	0.00	0.00	0.00	
6,850.0	3.37	230.27	6,840.1	-215.4	-259.2	-253.2	0.00	0.00	0.00	
6,900.0	3.37	230.27	6,890.1	-217.3	-261.5	-255.4	0.00	0.00	0.00	
6,950.0	3.37	230.27	6,940.0	-219.2	-263.7	-257.6	0.00	0.00	0.00	
7,000.0	3.37	230.27	6,989.9	-221.1	-266.0	-259.8	0.00	0.00	0.00	
7,050.0	3.37	230.27	7,039.8	-222.9	-268.2	-262.1	0.00	0.00	0.00	
7,100.0	3.37	230.27	7,089.7	-224.8	-270.5	-264.3	0.00	0.00	0.00	
7,150.0	3.37	230.27	7,139.6	-226.7	-272.8	-266.5	0.00	0.00	0.00	
7,200.0	3.37	230.27	7,189.5	-228.6	-275.0	-268.7	0.00	0.00	0.00	
7,250.0	3.37	230.27	7,239.5	-230.4	-277.3	-270.9	0.00	0.00	0.00	
7,300.0	3.37	230.27	7,289.4	-232.3	-279.5	-273.1	0.00	0.00	0.00	
7,350.0	3.37	230.27	7,339.3	-234.2	-281.8	-275.3	0.00	0.00	0.00	
7,400.0	3.37	230.27	7,389.2	-236.1	-284.0	-277.5	0.00	0.00	0.00	
7,450.0	3.37	230.27	7,439.1	-237.9	-286.3	-279.7	0.00	0.00	0.00	
7,500.0	3.37	230.27	7,489.0	-239.8	-288.6	-281.9	0.00	0.00	0.00	
7,550.0	3.37	230.27	7,538.9	-241.7	-290.8	-284.1	0.00	0.00	0.00	
7,600.0	3.37	230.27	7,588.9	-243.6	-293.1	-286.3	0.00	0.00	0.00	
7,650.0	3.37	230.27	7,638.8	-245.4	-295.3	-288.5	0.00	0.00	0.00	
7,700.0	3.37	230.27	7,688.7	-247.3	-297.6	-290.7	0.00	0.00	0.00	
7,750.0	3.37	230.27	7,738.6	-249.2	-299.8	-292.9	0.00	0.00	0.00	
7,800.0	3.37	230.27	7,788.5	-251.1	-302.1	-295.1	0.00	0.00	0.00	
7,850.0	3.37	230.27	7,838.4	-252.9	-304.4	-297.3	0.00	0.00	0.00	
7,900.0	3.37	230.27	7,888.3	-254.8	-306.6	-299.5	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,950.0	3.37	230.27	7,938.2	-256.7	-308.9	-301.8	0.00	0.00	0.00	
8,000.0	3.37	230.27	7,988.2	-258.6	-311.1	-304.0	0.00	0.00	0.00	
8,050.0	3.37	230.27	8,038.1	-260.5	-313.4	-306.2	0.00	0.00	0.00	
8,100.0	3.37	230.27	8,088.0	-262.3	-315.7	-308.4	0.00	0.00	0.00	
8,150.0	3.37	230.27	8,137.9	-264.2	-317.9	-310.6	0.00	0.00	0.00	
8,200.0	3.37	230.27	8,187.8	-266.1	-320.2	-312.8	0.00	0.00	0.00	
8,250.0	3.37	230.27	8,237.7	-268.0	-322.4	-315.0	0.00	0.00	0.00	
8,300.0	3.37	230.27	8,287.6	-269.8	-324.7	-317.2	0.00	0.00	0.00	
8,350.0	3.37	230.27	8,337.6	-271.7	-326.9	-319.4	0.00	0.00	0.00	
8,400.0	3.37	230.27	8,387.5	-273.6	-329.2	-321.6	0.00	0.00	0.00	
8,450.0	3.37	230.27	8,437.4	-275.5	-331.5	-323.8	0.00	0.00	0.00	
8,500.0	3.37	230.27	8,487.3	-277.3	-333.7	-326.0	0.00	0.00	0.00	
8,550.0	3.37	230.27	8,537.2	-279.2	-336.0	-328.2	0.00	0.00	0.00	
8,600.0	3.37	230.27	8,587.1	-281.1	-338.2	-330.4	0.00	0.00	0.00	
8,650.0	3.37	230.27	8,637.0	-283.0	-340.5	-332.6	0.00	0.00	0.00	
8,700.0	3.37	230.27	8,687.0	-284.8	-342.7	-334.8	0.00	0.00	0.00	
8,750.0	3.37	230.27	8,736.9	-286.7	-345.0	-337.0	0.00	0.00	0.00	
8,800.0	3.37	230.27	8,786.8	-288.6	-347.3	-339.2	0.00	0.00	0.00	
8,850.0	3.37	230.27	8,836.7	-290.5	-349.5	-341.5	0.00	0.00	0.00	
8,900.0	3.37	230.27	8,886.6	-292.3	-351.8	-343.7	0.00	0.00	0.00	
8,950.0	3.37	230.27	8,936.5	-294.2	-354.0	-345.9	0.00	0.00	0.00	
9,000.0	3.37	230.27	8,986.4	-296.1	-356.3	-348.1	0.00	0.00	0.00	
9,050.0	3.37	230.27	9,036.4	-298.0	-358.5	-350.3	0.00	0.00	0.00	
9,100.0	3.37	230.27	9,086.3	-299.9	-360.8	-352.5	0.00	0.00	0.00	
9,150.0	3.37	230.27	9,136.2	-301.7	-363.1	-354.7	0.00	0.00	0.00	
9,179.7	3.37	230.27	9,165.8	-302.8	-364.4	-356.0	0.00	0.00	0.00	
9,200.0	2.96	230.27	9,186.1	-303.6	-365.3	-356.8	2.00	-2.00	0.00	
9,250.0	1.96	230.27	9,236.0	-304.9	-366.9	-358.4	2.00	-2.00	0.00	
9,300.0	0.96	230.27	9,286.0	-305.7	-367.9	-359.4	2.00	-2.00	0.00	
9,348.0	0.00	0.00	9,334.0	-306.0	-368.2	-359.7	2.00	-2.00	0.00	
KOP: 660' FSL & 10' FWL (Sec 30)										
9,350.0	0.20	89.84	9,336.0	-306.0	-368.2	-359.7	10.00	10.00	0.00	
9,400.0	5.20	89.84	9,386.0	-306.0	-365.8	-357.3	10.00	10.00	0.00	
9,450.0	10.20	89.84	9,435.5	-306.0	-359.1	-350.7	10.00	10.00	0.00	
9,500.0	15.20	89.84	9,484.3	-305.9	-348.2	-339.7	10.00	10.00	0.00	
9,550.0	20.20	89.84	9,531.9	-305.9	-333.0	-324.5	10.00	10.00	0.00	
9,600.0	25.20	89.84	9,578.0	-305.8	-313.7	-305.2	10.00	10.00	0.00	
9,650.0	30.20	89.84	9,622.2	-305.8	-290.4	-282.0	10.00	10.00	0.00	
9,673.5	32.54	89.84	9,642.3	-305.7	-278.2	-269.8	10.00	10.00	0.00	
FTP: 660' FSL & 100' FWL (Sec 30)										
9,700.0	35.19	89.84	9,664.3	-305.7	-263.4	-255.0	10.00	10.00	0.00	
9,750.0	40.19	89.84	9,703.9	-305.6	-232.9	-224.4	10.00	10.00	0.00	
9,800.0	45.19	89.84	9,740.6	-305.5	-199.0	-190.6	10.00	10.00	0.00	
9,850.0	50.19	89.84	9,774.2	-305.4	-162.0	-153.6	10.00	10.00	0.00	
9,900.0	55.19	89.84	9,804.5	-305.3	-122.3	-113.9	10.00	10.00	0.00	
9,950.0	60.19	89.84	9,831.3	-305.2	-80.0	-71.7	10.00	10.00	0.00	
10,000.0	65.19	89.84	9,854.2	-305.1	-35.6	-27.3	10.00	10.00	0.00	
10,050.0	70.18	89.84	9,873.2	-304.9	10.6	19.0	10.00	10.00	0.00	
10,100.0	75.18	89.84	9,888.1	-304.8	58.3	66.7	10.00	10.00	0.00	
10,150.0	80.18	89.84	9,898.7	-304.7	107.2	115.5	10.00	10.00	0.00	
10,200.0	85.18	89.84	9,905.1	-304.5	156.8	165.0	10.00	10.00	0.00	
10,237.1	88.89	89.84	9,907.0	-304.4	193.8	202.1	10.00	10.00	0.00	
10,248.2	88.89	89.84	9,907.2	-304.4	204.9	213.1	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LP: 660' FSL & 583' FWL (Sec 30)									
10,250.0	88.89	89.84	9,907.2	-304.4	206.7	214.9	0.00	0.00	0.00
10,300.0	88.89	89.84	9,908.2	-304.3	256.7	264.9	0.00	0.00	0.00
10,350.0	88.89	89.84	9,909.2	-304.1	306.7	314.9	0.00	0.00	0.00
10,400.0	88.89	89.84	9,910.1	-304.0	356.7	364.8	0.00	0.00	0.00
10,450.0	88.89	89.84	9,911.1	-303.8	406.7	414.8	0.00	0.00	0.00
10,500.0	88.89	89.84	9,912.1	-303.7	456.7	464.8	0.00	0.00	0.00
10,550.0	88.89	89.84	9,913.0	-303.6	506.6	514.7	0.00	0.00	0.00
10,600.0	88.89	89.84	9,914.0	-303.4	556.6	564.7	0.00	0.00	0.00
10,650.0	88.89	89.84	9,915.0	-303.3	606.6	614.7	0.00	0.00	0.00
10,700.0	88.89	89.84	9,915.9	-303.1	656.6	664.6	0.00	0.00	0.00
10,750.0	88.89	89.84	9,916.9	-303.0	706.6	714.6	0.00	0.00	0.00
10,800.0	88.89	89.84	9,917.9	-302.9	756.6	764.6	0.00	0.00	0.00
10,850.0	88.89	89.84	9,918.8	-302.7	806.6	814.6	0.00	0.00	0.00
10,900.0	88.89	89.84	9,919.8	-302.6	856.6	864.5	0.00	0.00	0.00
10,950.0	88.89	89.84	9,920.8	-302.4	906.6	914.5	0.00	0.00	0.00
11,000.0	88.89	89.84	9,921.7	-302.3	956.6	964.5	0.00	0.00	0.00
11,050.0	88.89	89.84	9,922.7	-302.2	1,006.5	1,014.4	0.00	0.00	0.00
11,100.0	88.89	89.84	9,923.7	-302.0	1,056.5	1,064.4	0.00	0.00	0.00
11,150.0	88.89	89.84	9,924.6	-301.9	1,106.5	1,114.4	0.00	0.00	0.00
11,200.0	88.89	89.84	9,925.6	-301.7	1,156.5	1,164.3	0.00	0.00	0.00
11,250.0	88.89	89.84	9,926.6	-301.6	1,206.5	1,214.3	0.00	0.00	0.00
11,300.0	88.89	89.84	9,927.5	-301.5	1,256.5	1,264.3	0.00	0.00	0.00
11,350.0	88.89	89.84	9,928.5	-301.3	1,306.5	1,314.2	0.00	0.00	0.00
11,400.0	88.89	89.84	9,929.5	-301.2	1,356.5	1,364.2	0.00	0.00	0.00
11,450.0	88.89	89.84	9,930.4	-301.0	1,406.5	1,414.2	0.00	0.00	0.00
11,500.0	88.89	89.84	9,931.4	-300.9	1,456.5	1,464.1	0.00	0.00	0.00
11,550.0	88.89	89.84	9,932.4	-300.8	1,506.5	1,514.1	0.00	0.00	0.00
11,600.0	88.89	89.84	9,933.3	-300.6	1,556.4	1,564.1	0.00	0.00	0.00
11,650.0	88.89	89.84	9,934.3	-300.5	1,606.4	1,614.0	0.00	0.00	0.00
11,700.0	88.89	89.84	9,935.3	-300.3	1,656.4	1,664.0	0.00	0.00	0.00
11,750.0	88.89	89.84	9,936.2	-300.2	1,706.4	1,714.0	0.00	0.00	0.00
11,800.0	88.89	89.84	9,937.2	-300.1	1,756.4	1,763.9	0.00	0.00	0.00
11,850.0	88.89	89.84	9,938.2	-299.9	1,806.4	1,813.9	0.00	0.00	0.00
11,900.0	88.89	89.84	9,939.1	-299.8	1,856.4	1,863.9	0.00	0.00	0.00
11,950.0	88.89	89.84	9,940.1	-299.7	1,906.4	1,913.8	0.00	0.00	0.00
12,000.0	88.89	89.84	9,941.1	-299.5	1,956.4	1,963.8	0.00	0.00	0.00
12,050.0	88.89	89.84	9,942.0	-299.4	2,006.4	2,013.8	0.00	0.00	0.00
12,100.0	88.89	89.84	9,943.0	-299.2	2,056.3	2,063.8	0.00	0.00	0.00
12,150.0	88.89	89.84	9,944.0	-299.1	2,106.3	2,113.7	0.00	0.00	0.00
12,200.0	88.89	89.84	9,944.9	-299.0	2,156.3	2,163.7	0.00	0.00	0.00
12,250.0	88.89	89.84	9,945.9	-298.8	2,206.3	2,213.7	0.00	0.00	0.00
12,300.0	88.89	89.84	9,946.9	-298.7	2,256.3	2,263.6	0.00	0.00	0.00
12,342.8	88.89	89.84	9,947.7	-298.6	2,299.1	2,306.4	0.00	0.00	0.00
PPP2: 660' FSL & 2678' FWL (Sec 30)									
12,350.0	88.89	89.84	9,947.8	-298.5	2,306.3	2,313.6	0.00	0.00	0.00
12,400.0	88.89	89.84	9,948.8	-298.4	2,356.3	2,363.6	0.00	0.00	0.00
12,450.0	88.89	89.84	9,949.8	-298.3	2,406.3	2,413.5	0.00	0.00	0.00
12,500.0	88.89	89.84	9,950.7	-298.1	2,456.3	2,463.5	0.00	0.00	0.00
12,550.0	88.89	89.84	9,951.7	-298.0	2,506.3	2,513.5	0.00	0.00	0.00
12,600.0	88.89	89.84	9,952.7	-297.8	2,556.3	2,563.4	0.00	0.00	0.00
12,650.0	88.89	89.84	9,953.6	-297.7	2,606.2	2,613.4	0.00	0.00	0.00
12,700.0	88.89	89.84	9,954.6	-297.6	2,656.2	2,663.4	0.00	0.00	0.00
12,750.0	88.89	89.84	9,955.6	-297.4	2,706.2	2,713.3	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,800.0	88.89	89.84	9,956.5	-297.3	2,756.2	2,763.3	0.00	0.00	0.00	
12,850.0	88.89	89.84	9,957.5	-297.1	2,806.2	2,813.3	0.00	0.00	0.00	
12,900.0	88.89	89.84	9,958.5	-297.0	2,856.2	2,863.2	0.00	0.00	0.00	
12,950.0	88.89	89.84	9,959.4	-296.9	2,906.2	2,913.2	0.00	0.00	0.00	
13,000.0	88.89	89.84	9,960.4	-296.7	2,956.2	2,963.2	0.00	0.00	0.00	
13,050.0	88.89	89.84	9,961.4	-296.6	3,006.2	3,013.1	0.00	0.00	0.00	
13,100.0	88.89	89.84	9,962.3	-296.4	3,056.2	3,063.1	0.00	0.00	0.00	
13,150.0	88.89	89.84	9,963.3	-296.3	3,106.1	3,113.1	0.00	0.00	0.00	
13,200.0	88.89	89.84	9,964.3	-296.2	3,156.1	3,163.0	0.00	0.00	0.00	
13,250.0	88.89	89.84	9,965.2	-296.0	3,206.1	3,213.0	0.00	0.00	0.00	
13,300.0	88.89	89.84	9,966.2	-295.9	3,256.1	3,263.0	0.00	0.00	0.00	
13,350.0	88.89	89.84	9,967.2	-295.7	3,306.1	3,313.0	0.00	0.00	0.00	
13,400.0	88.89	89.84	9,968.1	-295.6	3,356.1	3,362.9	0.00	0.00	0.00	
13,450.0	88.89	89.84	9,969.1	-295.5	3,406.1	3,412.9	0.00	0.00	0.00	
13,500.0	88.89	89.84	9,970.1	-295.3	3,456.1	3,462.9	0.00	0.00	0.00	
13,550.0	88.89	89.84	9,971.0	-295.2	3,506.1	3,512.8	0.00	0.00	0.00	
13,600.0	88.89	89.84	9,972.0	-295.0	3,556.1	3,562.8	0.00	0.00	0.00	
13,650.0	88.89	89.84	9,973.0	-294.9	3,606.1	3,612.8	0.00	0.00	0.00	
13,700.0	88.89	89.84	9,973.9	-294.8	3,656.0	3,662.7	0.00	0.00	0.00	
13,750.0	88.89	89.84	9,974.9	-294.6	3,706.0	3,712.7	0.00	0.00	0.00	
13,800.0	88.89	89.84	9,975.8	-294.5	3,756.0	3,762.7	0.00	0.00	0.00	
13,850.0	88.89	89.84	9,976.8	-294.3	3,806.0	3,812.6	0.00	0.00	0.00	
13,900.0	88.89	89.84	9,977.8	-294.2	3,856.0	3,862.6	0.00	0.00	0.00	
13,950.0	88.89	89.84	9,978.7	-294.1	3,906.0	3,912.6	0.00	0.00	0.00	
14,000.0	88.89	89.84	9,979.7	-293.9	3,956.0	3,962.5	0.00	0.00	0.00	
14,050.0	88.89	89.84	9,980.7	-293.8	4,006.0	4,012.5	0.00	0.00	0.00	
14,100.0	88.89	89.84	9,981.6	-293.6	4,056.0	4,062.5	0.00	0.00	0.00	
14,150.0	88.89	89.84	9,982.6	-293.5	4,106.0	4,112.4	0.00	0.00	0.00	
14,200.0	88.89	89.84	9,983.6	-293.4	4,155.9	4,162.4	0.00	0.00	0.00	
14,250.0	88.89	89.84	9,984.5	-293.2	4,205.9	4,212.4	0.00	0.00	0.00	
14,300.0	88.89	89.84	9,985.5	-293.1	4,255.9	4,262.3	0.00	0.00	0.00	
14,350.0	88.89	89.84	9,986.5	-293.0	4,305.9	4,312.3	0.00	0.00	0.00	
14,400.0	88.89	89.84	9,987.4	-292.8	4,355.9	4,362.3	0.00	0.00	0.00	
14,450.0	88.89	89.84	9,988.4	-292.7	4,405.9	4,412.2	0.00	0.00	0.00	
14,500.0	88.89	89.84	9,989.4	-292.5	4,455.9	4,462.2	0.00	0.00	0.00	
14,550.0	88.89	89.84	9,990.3	-292.4	4,505.9	4,512.2	0.00	0.00	0.00	
14,600.0	88.89	89.84	9,991.3	-292.3	4,555.9	4,562.2	0.00	0.00	0.00	
14,650.0	88.89	89.84	9,992.3	-292.1	4,605.9	4,612.1	0.00	0.00	0.00	
14,700.0	88.89	89.84	9,993.2	-292.0	4,655.9	4,662.1	0.00	0.00	0.00	
14,750.0	88.89	89.84	9,994.2	-291.8	4,705.8	4,712.1	0.00	0.00	0.00	
14,800.0	88.89	89.84	9,995.2	-291.7	4,755.8	4,762.0	0.00	0.00	0.00	
14,850.0	88.89	89.84	9,996.1	-291.6	4,805.8	4,812.0	0.00	0.00	0.00	
14,900.0	88.89	89.84	9,997.1	-291.4	4,855.8	4,862.0	0.00	0.00	0.00	
14,950.0	88.89	89.84	9,998.1	-291.3	4,905.8	4,911.9	0.00	0.00	0.00	
14,983.0	88.89	89.84	9,998.7	-291.2	4,938.8	4,944.9	0.00	0.00	0.00	
PPP3: 659' FSL & 0' FWL (Sec 29)										
15,000.0	88.89	89.84	9,999.0	-291.1	4,955.8	4,961.9	0.00	0.00	0.00	
15,050.0	88.89	89.84	10,000.0	-291.0	5,005.8	5,011.9	0.00	0.00	0.00	
15,100.0	88.89	89.84	10,001.0	-290.9	5,055.8	5,061.8	0.00	0.00	0.00	
15,150.0	88.89	89.84	10,001.9	-290.7	5,105.8	5,111.8	0.00	0.00	0.00	
15,200.0	88.89	89.84	10,002.9	-290.6	5,155.8	5,161.8	0.00	0.00	0.00	
15,250.0	88.89	89.84	10,003.9	-290.4	5,205.7	5,211.7	0.00	0.00	0.00	
15,300.0	88.89	89.84	10,004.8	-290.3	5,255.7	5,261.7	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,350.0	88.89	89.84	10,005.8	-290.2	5,305.7	5,311.7	0.00	0.00	0.00
15,400.0	88.89	89.84	10,006.8	-290.0	5,355.7	5,361.6	0.00	0.00	0.00
15,450.0	88.89	89.84	10,007.7	-289.9	5,405.7	5,411.6	0.00	0.00	0.00
15,500.0	88.89	89.84	10,008.7	-289.7	5,455.7	5,461.6	0.00	0.00	0.00
15,550.0	88.89	89.84	10,009.7	-289.6	5,505.7	5,511.5	0.00	0.00	0.00
15,600.0	88.89	89.84	10,010.6	-289.5	5,555.7	5,561.5	0.00	0.00	0.00
15,650.0	88.89	89.84	10,011.6	-289.3	5,605.7	5,611.5	0.00	0.00	0.00
15,700.0	88.89	89.84	10,012.6	-289.2	5,655.7	5,661.4	0.00	0.00	0.00
15,750.0	88.89	89.84	10,013.5	-289.0	5,705.7	5,711.4	0.00	0.00	0.00
15,800.0	88.89	89.84	10,014.5	-288.9	5,755.6	5,761.4	0.00	0.00	0.00
15,850.0	88.89	89.84	10,015.5	-288.8	5,805.6	5,811.4	0.00	0.00	0.00
15,900.0	88.89	89.84	10,016.4	-288.6	5,855.6	5,861.3	0.00	0.00	0.00
15,950.0	88.89	89.84	10,017.4	-288.5	5,905.6	5,911.3	0.00	0.00	0.00
16,000.0	88.89	89.84	10,018.4	-288.3	5,955.6	5,961.3	0.00	0.00	0.00
16,050.0	88.89	89.84	10,019.3	-288.2	6,005.6	6,011.2	0.00	0.00	0.00
16,100.0	88.89	89.84	10,020.3	-288.1	6,055.6	6,061.2	0.00	0.00	0.00
16,150.0	88.89	89.84	10,021.3	-287.9	6,105.6	6,111.2	0.00	0.00	0.00
16,200.0	88.89	89.84	10,022.2	-287.8	6,155.6	6,161.1	0.00	0.00	0.00
16,250.0	88.89	89.84	10,023.2	-287.6	6,205.6	6,211.1	0.00	0.00	0.00
16,300.0	88.89	89.84	10,024.2	-287.5	6,255.5	6,261.1	0.00	0.00	0.00
16,350.0	88.89	89.84	10,025.1	-287.4	6,305.5	6,311.0	0.00	0.00	0.00
16,400.0	88.89	89.84	10,026.1	-287.2	6,355.5	6,361.0	0.00	0.00	0.00
16,450.0	88.89	89.84	10,027.1	-287.1	6,405.5	6,411.0	0.00	0.00	0.00
16,500.0	88.89	89.84	10,028.0	-287.0	6,455.5	6,460.9	0.00	0.00	0.00
16,550.0	88.89	89.84	10,029.0	-286.8	6,505.5	6,510.9	0.00	0.00	0.00
16,600.0	88.89	89.84	10,030.0	-286.7	6,555.5	6,560.9	0.00	0.00	0.00
16,650.0	88.89	89.84	10,030.9	-286.5	6,605.5	6,610.8	0.00	0.00	0.00
16,700.0	88.89	89.84	10,031.9	-286.4	6,655.5	6,660.8	0.00	0.00	0.00
16,750.0	88.89	89.84	10,032.9	-286.3	6,705.5	6,710.8	0.00	0.00	0.00
16,800.0	88.89	89.84	10,033.8	-286.1	6,755.5	6,760.7	0.00	0.00	0.00
16,850.0	88.89	89.84	10,034.8	-286.0	6,805.4	6,810.7	0.00	0.00	0.00
16,900.0	88.89	89.84	10,035.8	-285.8	6,855.4	6,860.7	0.00	0.00	0.00
16,950.0	88.89	89.84	10,036.7	-285.7	6,905.4	6,910.6	0.00	0.00	0.00
17,000.0	88.89	89.84	10,037.7	-285.6	6,955.4	6,960.6	0.00	0.00	0.00
17,050.0	88.89	89.84	10,038.7	-285.4	7,005.4	7,010.6	0.00	0.00	0.00
17,100.0	88.89	89.84	10,039.6	-285.3	7,055.4	7,060.6	0.00	0.00	0.00
17,150.0	88.89	89.84	10,040.6	-285.1	7,105.4	7,110.5	0.00	0.00	0.00
17,200.0	88.89	89.84	10,041.6	-285.0	7,155.4	7,160.5	0.00	0.00	0.00
17,250.0	88.89	89.84	10,042.5	-284.9	7,205.4	7,210.5	0.00	0.00	0.00
17,300.0	88.89	89.84	10,043.5	-284.7	7,255.4	7,260.4	0.00	0.00	0.00
17,350.0	88.89	89.84	10,044.5	-284.6	7,305.3	7,310.4	0.00	0.00	0.00
17,400.0	88.89	89.84	10,045.4	-284.4	7,355.3	7,360.4	0.00	0.00	0.00
17,450.0	88.89	89.84	10,046.4	-284.3	7,405.3	7,410.3	0.00	0.00	0.00
17,500.0	88.89	89.84	10,047.3	-284.2	7,455.3	7,460.3	0.00	0.00	0.00
17,550.0	88.89	89.84	10,048.3	-284.0	7,505.3	7,510.3	0.00	0.00	0.00
17,600.0	88.89	89.84	10,049.3	-283.9	7,555.3	7,560.2	0.00	0.00	0.00
17,650.0	88.89	89.84	10,050.2	-283.7	7,605.3	7,610.2	0.00	0.00	0.00
17,700.0	88.89	89.84	10,051.2	-283.6	7,655.3	7,660.2	0.00	0.00	0.00
17,750.0	88.89	89.84	10,052.2	-283.5	7,705.3	7,710.1	0.00	0.00	0.00
17,800.0	88.89	89.84	10,053.1	-283.3	7,755.3	7,760.1	0.00	0.00	0.00
17,850.0	88.89	89.84	10,054.1	-283.2	7,805.3	7,810.1	0.00	0.00	0.00
17,900.0	88.89	89.84	10,055.1	-283.0	7,855.2	7,860.0	0.00	0.00	0.00
17,950.0	88.89	89.84	10,056.0	-282.9	7,905.2	7,910.0	0.00	0.00	0.00
18,000.0	88.89	89.84	10,057.0	-282.8	7,955.2	7,960.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
18,050.0	88.89	89.84	10,058.0	-282.6	8,005.2	8,009.9	0.00	0.00	0.00	
18,100.0	88.89	89.84	10,058.9	-282.5	8,055.2	8,059.9	0.00	0.00	0.00	
18,150.0	88.89	89.84	10,059.9	-282.3	8,105.2	8,109.9	0.00	0.00	0.00	
18,200.0	88.89	89.84	10,060.9	-282.2	8,155.2	8,159.8	0.00	0.00	0.00	
18,250.0	88.89	89.84	10,061.8	-282.1	8,205.2	8,209.8	0.00	0.00	0.00	
18,300.0	88.89	89.84	10,062.8	-281.9	8,255.2	8,259.8	0.00	0.00	0.00	
18,350.0	88.89	89.84	10,063.8	-281.8	8,305.2	8,309.8	0.00	0.00	0.00	
18,400.0	88.89	89.84	10,064.7	-281.6	8,355.1	8,359.7	0.00	0.00	0.00	
18,450.0	88.89	89.84	10,065.7	-281.5	8,405.1	8,409.7	0.00	0.00	0.00	
18,500.0	88.89	89.84	10,066.7	-281.4	8,455.1	8,459.7	0.00	0.00	0.00	
18,550.0	88.89	89.84	10,067.6	-281.2	8,505.1	8,509.6	0.00	0.00	0.00	
18,600.0	88.89	89.84	10,068.6	-281.1	8,555.1	8,559.6	0.00	0.00	0.00	
18,650.0	88.89	89.84	10,069.6	-281.0	8,605.1	8,609.6	0.00	0.00	0.00	
18,700.0	88.89	89.84	10,070.5	-280.8	8,655.1	8,659.5	0.00	0.00	0.00	
18,750.0	88.89	89.84	10,071.5	-280.7	8,705.1	8,709.5	0.00	0.00	0.00	
18,800.0	88.89	89.84	10,072.5	-280.5	8,755.1	8,759.5	0.00	0.00	0.00	
18,850.0	88.89	89.84	10,073.4	-280.4	8,805.1	8,809.4	0.00	0.00	0.00	
18,900.0	88.89	89.84	10,074.4	-280.3	8,855.1	8,859.4	0.00	0.00	0.00	
18,950.0	88.89	89.84	10,075.4	-280.1	8,905.0	8,909.4	0.00	0.00	0.00	
19,000.0	88.89	89.84	10,076.3	-280.0	8,955.0	8,959.3	0.00	0.00	0.00	
19,050.0	88.89	89.84	10,077.3	-279.8	9,005.0	9,009.3	0.00	0.00	0.00	
19,100.0	88.89	89.84	10,078.3	-279.7	9,055.0	9,059.3	0.00	0.00	0.00	
19,150.0	88.89	89.84	10,079.2	-279.6	9,105.0	9,109.2	0.00	0.00	0.00	
19,200.0	88.89	89.84	10,080.2	-279.4	9,155.0	9,159.2	0.00	0.00	0.00	
19,250.0	88.89	89.84	10,081.2	-279.3	9,205.0	9,209.2	0.00	0.00	0.00	
19,300.0	88.89	89.84	10,082.1	-279.1	9,255.0	9,259.1	0.00	0.00	0.00	
19,350.0	88.89	89.84	10,083.1	-279.0	9,305.0	9,309.1	0.00	0.00	0.00	
19,400.0	88.89	89.84	10,084.1	-278.9	9,355.0	9,359.1	0.00	0.00	0.00	
19,450.0	88.89	89.84	10,085.0	-278.7	9,404.9	9,409.0	0.00	0.00	0.00	
19,500.0	88.89	89.84	10,086.0	-278.6	9,454.9	9,459.0	0.00	0.00	0.00	
19,550.0	88.89	89.84	10,087.0	-278.4	9,504.9	9,509.0	0.00	0.00	0.00	
19,600.0	88.89	89.84	10,087.9	-278.3	9,554.9	9,559.0	0.00	0.00	0.00	
19,650.0	88.89	89.84	10,088.9	-278.2	9,604.9	9,608.9	0.00	0.00	0.00	
19,700.0	88.89	89.84	10,089.9	-278.0	9,654.9	9,658.9	0.00	0.00	0.00	
19,750.0	88.89	89.84	10,090.8	-277.9	9,704.9	9,708.9	0.00	0.00	0.00	
19,800.0	88.89	89.84	10,091.8	-277.7	9,754.9	9,758.8	0.00	0.00	0.00	
19,850.0	88.89	89.84	10,092.8	-277.6	9,804.9	9,808.8	0.00	0.00	0.00	
19,900.0	88.89	89.84	10,093.7	-277.5	9,854.9	9,858.8	0.00	0.00	0.00	
19,950.0	88.89	89.84	10,094.7	-277.3	9,904.9	9,908.7	0.00	0.00	0.00	
20,000.0	88.89	89.84	10,095.7	-277.2	9,954.8	9,958.7	0.00	0.00	0.00	
20,050.0	88.89	89.84	10,096.6	-277.0	10,004.8	10,008.7	0.00	0.00	0.00	
20,100.0	88.89	89.84	10,097.6	-276.9	10,054.8	10,058.6	0.00	0.00	0.00	
20,150.0	88.89	89.84	10,098.6	-276.8	10,104.8	10,108.6	0.00	0.00	0.00	
20,172.8	88.89	89.84	10,099.0	-276.7	10,127.6	10,131.4	0.00	0.00	0.00	
BHL: 660' FSL & 100' FEL (Sec 29)										

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Design Targets										
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
- Shape										
SHL: 965' FSL & 380' Fv - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	623,869.30	701,331.90	32.7139784	-103.8131341	
KOP: 660' FSL & 10' FW - plan hits target center - Point	0.00	0.00	9,334.0	-306.0	-368.2	623,563.30	700,963.70	32.7131423	-103.8143360	
FTP: 660' FSL & 100' FV - plan hits target center - Point	0.00	0.00	9,642.3	-305.7	-278.2	623,563.60	701,053.70	32.7131419	-103.8140434	
LP: 660' FSL & 583' FW - plan hits target center - Point	0.00	0.00	9,907.2	-304.4	204.9	623,564.90	701,536.80	32.7131390	-103.8124727	
PPP2: 660' FSL & 2678' - plan hits target center - Point	0.00	0.00	9,947.7	-298.6	2,299.1	623,570.75	703,631.00	32.7131266	-103.8056640	
PPP3: 659' FSL & 0' FW - plan hits target center - Point	0.00	0.00	9,998.7	-291.2	4,938.8	623,578.12	706,270.70	32.7131104	-103.7970816	
BHL: 660' FSL & 100' FE - plan hits target center - Point	0.00	0.00	10,099.0	-276.7	10,127.6	623,592.60	711,459.50	32.7130770	-103.7802116	

Mewbourne Oil Company

Lea County, New Mexico NAD 83
Choctaw Bingo 30/29 Fed Com #627H
Sec 30, T18S, R32E
SHL: 965' FSL & 380' FWL (Sec 30)
BHL: 660' FSL & 100' FEL (Sec 29)

Plan: Design #1

Standard Planning Report

10 February, 2025

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Project	Lea County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Choctaw Bingo 30/29 Fed Com #627H				
Site Position:		Northing:	623,869.30 usft	Latitude:	32.7139784
From:	Map	Easting:	701,331.90 usft	Longitude:	-103.8131341
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	Sec 30, T18S, R32E					
Well Position	+N-S	0.0 usft	Northing:	623,869.30 usft	Latitude:	32.7139784
	+E-W	0.0 usft	Easting:	701,331.90 usft	Longitude:	-103.8131341
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,703.0 usft	Ground Level:	3,675.0 usft
Grid Convergence:	0.28 °					

Wellbore	BHL: 660' FSL & 100' FEL (Sec 29)				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.30	60.51	48,528.26060896

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.0	0.0	0.0	91.57

Plan Survey Tool Program	Date	2/10/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,172.8	Design #1 (BHL: 660' FSL & 100')	

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	
1,025.0	0.00	0.00	1,025.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,193.3	3.37	230.27	1,193.2	-3.2	-3.8	2.00	2.00	0.00	230.27	
9,179.7	3.37	230.27	9,165.8	-302.8	-364.4	0.00	0.00	0.00	0.00	
9,348.0	0.00	0.00	9,334.0	-306.0	-368.2	2.00	-2.00	0.00	180.00	KOP: 660' FSL & 10' F
10,237.1	88.89	89.84	9,907.0	-304.4	193.8	10.00	10.00	0.00	89.84	
20,172.8	88.89	89.84	10,099.0	-276.7	10,127.6	0.00	0.00	0.00	0.00	BHL: 660' FSL & 100'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
SHL: 965' FSL & 380' FWL (Sec 30)										
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
650.0	0.00	0.00	650.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
750.0	0.00	0.00	750.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
850.0	0.00	0.00	850.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
950.0	0.00	0.00	950.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,025.0	0.00	0.00	1,025.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,050.0	0.50	230.27	1,050.0	-0.1	-0.1	-0.1	2.00	2.00	0.00	
1,100.0	1.50	230.27	1,100.0	-0.6	-0.8	-0.7	2.00	2.00	0.00	
1,150.0	2.50	230.27	1,150.0	-1.7	-2.1	-2.0	2.00	2.00	0.00	
1,193.3	3.37	230.27	1,193.2	-3.2	-3.8	-3.7	2.00	2.00	0.00	
1,200.0	3.37	230.27	1,199.9	-3.4	-4.1	-4.0	0.00	0.00	0.00	
1,250.0	3.37	230.27	1,249.8	-5.3	-6.4	-6.2	0.00	0.00	0.00	
1,300.0	3.37	230.27	1,299.7	-7.2	-8.6	-8.4	0.00	0.00	0.00	
1,350.0	3.37	230.27	1,349.6	-9.0	-10.9	-10.6	0.00	0.00	0.00	
1,400.0	3.37	230.27	1,399.5	-10.9	-13.1	-12.8	0.00	0.00	0.00	
1,450.0	3.37	230.27	1,449.5	-12.8	-15.4	-15.0	0.00	0.00	0.00	
1,500.0	3.37	230.27	1,499.4	-14.7	-17.6	-17.2	0.00	0.00	0.00	
1,550.0	3.37	230.27	1,549.3	-16.5	-19.9	-19.4	0.00	0.00	0.00	
1,600.0	3.37	230.27	1,599.2	-18.4	-22.2	-21.7	0.00	0.00	0.00	
1,650.0	3.37	230.27	1,649.1	-20.3	-24.4	-23.9	0.00	0.00	0.00	
1,700.0	3.37	230.27	1,699.0	-22.2	-26.7	-26.1	0.00	0.00	0.00	
1,750.0	3.37	230.27	1,748.9	-24.0	-28.9	-28.3	0.00	0.00	0.00	
1,800.0	3.37	230.27	1,798.9	-25.9	-31.2	-30.5	0.00	0.00	0.00	
1,850.0	3.37	230.27	1,848.8	-27.8	-33.5	-32.7	0.00	0.00	0.00	
1,900.0	3.37	230.27	1,898.7	-29.7	-35.7	-34.9	0.00	0.00	0.00	
1,950.0	3.37	230.27	1,948.6	-31.6	-38.0	-37.1	0.00	0.00	0.00	
2,000.0	3.37	230.27	1,998.5	-33.4	-40.2	-39.3	0.00	0.00	0.00	
2,050.0	3.37	230.27	2,048.4	-35.3	-42.5	-41.5	0.00	0.00	0.00	
2,100.0	3.37	230.27	2,098.3	-37.2	-44.7	-43.7	0.00	0.00	0.00	
2,150.0	3.37	230.27	2,148.3	-39.1	-47.0	-45.9	0.00	0.00	0.00	
2,200.0	3.37	230.27	2,198.2	-40.9	-49.3	-48.1	0.00	0.00	0.00	
2,250.0	3.37	230.27	2,248.1	-42.8	-51.5	-50.3	0.00	0.00	0.00	
2,300.0	3.37	230.27	2,298.0	-44.7	-53.8	-52.5	0.00	0.00	0.00	
2,350.0	3.37	230.27	2,347.9	-46.6	-56.0	-54.7	0.00	0.00	0.00	
2,400.0	3.37	230.27	2,397.8	-48.4	-58.3	-56.9	0.00	0.00	0.00	
2,450.0	3.37	230.27	2,447.7	-50.3	-60.5	-59.1	0.00	0.00	0.00	
2,500.0	3.37	230.27	2,497.6	-52.2	-62.8	-61.4	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,550.0	3.37	230.27	2,547.6	-54.1	-65.1	-63.6	0.00	0.00	0.00
2,600.0	3.37	230.27	2,597.5	-55.9	-67.3	-65.8	0.00	0.00	0.00
2,650.0	3.37	230.27	2,647.4	-57.8	-69.6	-68.0	0.00	0.00	0.00
2,700.0	3.37	230.27	2,697.3	-59.7	-71.8	-70.2	0.00	0.00	0.00
2,750.0	3.37	230.27	2,747.2	-61.6	-74.1	-72.4	0.00	0.00	0.00
2,800.0	3.37	230.27	2,797.1	-63.4	-76.3	-74.6	0.00	0.00	0.00
2,850.0	3.37	230.27	2,847.0	-65.3	-78.6	-76.8	0.00	0.00	0.00
2,900.0	3.37	230.27	2,897.0	-67.2	-80.9	-79.0	0.00	0.00	0.00
2,950.0	3.37	230.27	2,946.9	-69.1	-83.1	-81.2	0.00	0.00	0.00
3,000.0	3.37	230.27	2,996.8	-71.0	-85.4	-83.4	0.00	0.00	0.00
3,050.0	3.37	230.27	3,046.7	-72.8	-87.6	-85.6	0.00	0.00	0.00
3,100.0	3.37	230.27	3,096.6	-74.7	-89.9	-87.8	0.00	0.00	0.00
3,150.0	3.37	230.27	3,146.5	-76.6	-92.1	-90.0	0.00	0.00	0.00
3,200.0	3.37	230.27	3,196.4	-78.5	-94.4	-92.2	0.00	0.00	0.00
3,250.0	3.37	230.27	3,246.4	-80.3	-96.7	-94.4	0.00	0.00	0.00
3,300.0	3.37	230.27	3,296.3	-82.2	-98.9	-96.6	0.00	0.00	0.00
3,350.0	3.37	230.27	3,346.2	-84.1	-101.2	-98.8	0.00	0.00	0.00
3,400.0	3.37	230.27	3,396.1	-86.0	-103.4	-101.1	0.00	0.00	0.00
3,450.0	3.37	230.27	3,446.0	-87.8	-105.7	-103.3	0.00	0.00	0.00
3,500.0	3.37	230.27	3,495.9	-89.7	-108.0	-105.5	0.00	0.00	0.00
3,550.0	3.37	230.27	3,545.8	-91.6	-110.2	-107.7	0.00	0.00	0.00
3,600.0	3.37	230.27	3,595.8	-93.5	-112.5	-109.9	0.00	0.00	0.00
3,650.0	3.37	230.27	3,645.7	-95.3	-114.7	-112.1	0.00	0.00	0.00
3,700.0	3.37	230.27	3,695.6	-97.2	-117.0	-114.3	0.00	0.00	0.00
3,750.0	3.37	230.27	3,745.5	-99.1	-119.2	-116.5	0.00	0.00	0.00
3,800.0	3.37	230.27	3,795.4	-101.0	-121.5	-118.7	0.00	0.00	0.00
3,850.0	3.37	230.27	3,845.3	-102.8	-123.8	-120.9	0.00	0.00	0.00
3,900.0	3.37	230.27	3,895.2	-104.7	-126.0	-123.1	0.00	0.00	0.00
3,950.0	3.37	230.27	3,945.1	-106.6	-128.3	-125.3	0.00	0.00	0.00
4,000.0	3.37	230.27	3,995.1	-108.5	-130.5	-127.5	0.00	0.00	0.00
4,050.0	3.37	230.27	4,045.0	-110.4	-132.8	-129.7	0.00	0.00	0.00
4,100.0	3.37	230.27	4,094.9	-112.2	-135.0	-131.9	0.00	0.00	0.00
4,150.0	3.37	230.27	4,144.8	-114.1	-137.3	-134.1	0.00	0.00	0.00
4,200.0	3.37	230.27	4,194.7	-116.0	-139.6	-136.3	0.00	0.00	0.00
4,250.0	3.37	230.27	4,244.6	-117.9	-141.8	-138.5	0.00	0.00	0.00
4,300.0	3.37	230.27	4,294.5	-119.7	-144.1	-140.7	0.00	0.00	0.00
4,350.0	3.37	230.27	4,344.5	-121.6	-146.3	-143.0	0.00	0.00	0.00
4,400.0	3.37	230.27	4,394.4	-123.5	-148.6	-145.2	0.00	0.00	0.00
4,450.0	3.37	230.27	4,444.3	-125.4	-150.8	-147.4	0.00	0.00	0.00
4,500.0	3.37	230.27	4,494.2	-127.2	-153.1	-149.6	0.00	0.00	0.00
4,550.0	3.37	230.27	4,544.1	-129.1	-155.4	-151.8	0.00	0.00	0.00
4,600.0	3.37	230.27	4,594.0	-131.0	-157.6	-154.0	0.00	0.00	0.00
4,650.0	3.37	230.27	4,643.9	-132.9	-159.9	-156.2	0.00	0.00	0.00
4,700.0	3.37	230.27	4,693.9	-134.7	-162.1	-158.4	0.00	0.00	0.00
4,750.0	3.37	230.27	4,743.8	-136.6	-164.4	-160.6	0.00	0.00	0.00
4,800.0	3.37	230.27	4,793.7	-138.5	-166.6	-162.8	0.00	0.00	0.00
4,850.0	3.37	230.27	4,843.6	-140.4	-168.9	-165.0	0.00	0.00	0.00
4,900.0	3.37	230.27	4,893.5	-142.2	-171.2	-167.2	0.00	0.00	0.00
4,950.0	3.37	230.27	4,943.4	-144.1	-173.4	-169.4	0.00	0.00	0.00
5,000.0	3.37	230.27	4,993.3	-146.0	-175.7	-171.6	0.00	0.00	0.00
5,050.0	3.37	230.27	5,043.3	-147.9	-177.9	-173.8	0.00	0.00	0.00
5,100.0	3.37	230.27	5,093.2	-149.8	-180.2	-176.0	0.00	0.00	0.00
5,150.0	3.37	230.27	5,143.1	-151.6	-182.5	-178.2	0.00	0.00	0.00
5,200.0	3.37	230.27	5,193.0	-153.5	-184.7	-180.4	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,250.0	3.37	230.27	5,242.9	-155.4	-187.0	-182.7	0.00	0.00	0.00	
5,300.0	3.37	230.27	5,292.8	-157.3	-189.2	-184.9	0.00	0.00	0.00	
5,350.0	3.37	230.27	5,342.7	-159.1	-191.5	-187.1	0.00	0.00	0.00	
5,400.0	3.37	230.27	5,392.6	-161.0	-193.7	-189.3	0.00	0.00	0.00	
5,450.0	3.37	230.27	5,442.6	-162.9	-196.0	-191.5	0.00	0.00	0.00	
5,500.0	3.37	230.27	5,492.5	-164.8	-198.3	-193.7	0.00	0.00	0.00	
5,550.0	3.37	230.27	5,542.4	-166.6	-200.5	-195.9	0.00	0.00	0.00	
5,600.0	3.37	230.27	5,592.3	-168.5	-202.8	-198.1	0.00	0.00	0.00	
5,650.0	3.37	230.27	5,642.2	-170.4	-205.0	-200.3	0.00	0.00	0.00	
5,700.0	3.37	230.27	5,692.1	-172.3	-207.3	-202.5	0.00	0.00	0.00	
5,750.0	3.37	230.27	5,742.0	-174.1	-209.5	-204.7	0.00	0.00	0.00	
5,800.0	3.37	230.27	5,792.0	-176.0	-211.8	-206.9	0.00	0.00	0.00	
5,850.0	3.37	230.27	5,841.9	-177.9	-214.1	-209.1	0.00	0.00	0.00	
5,900.0	3.37	230.27	5,891.8	-179.8	-216.3	-211.3	0.00	0.00	0.00	
5,950.0	3.37	230.27	5,941.7	-181.7	-218.6	-213.5	0.00	0.00	0.00	
6,000.0	3.37	230.27	5,991.6	-183.5	-220.8	-215.7	0.00	0.00	0.00	
6,050.0	3.37	230.27	6,041.5	-185.4	-223.1	-217.9	0.00	0.00	0.00	
6,100.0	3.37	230.27	6,091.4	-187.3	-225.3	-220.1	0.00	0.00	0.00	
6,150.0	3.37	230.27	6,141.4	-189.2	-227.6	-222.4	0.00	0.00	0.00	
6,200.0	3.37	230.27	6,191.3	-191.0	-229.9	-224.6	0.00	0.00	0.00	
6,250.0	3.37	230.27	6,241.2	-192.9	-232.1	-226.8	0.00	0.00	0.00	
6,300.0	3.37	230.27	6,291.1	-194.8	-234.4	-229.0	0.00	0.00	0.00	
6,350.0	3.37	230.27	6,341.0	-196.7	-236.6	-231.2	0.00	0.00	0.00	
6,400.0	3.37	230.27	6,390.9	-198.5	-238.9	-233.4	0.00	0.00	0.00	
6,450.0	3.37	230.27	6,440.8	-200.4	-241.1	-235.6	0.00	0.00	0.00	
6,500.0	3.37	230.27	6,490.7	-202.3	-243.4	-237.8	0.00	0.00	0.00	
6,550.0	3.37	230.27	6,540.7	-204.2	-245.7	-240.0	0.00	0.00	0.00	
6,600.0	3.37	230.27	6,590.6	-206.0	-247.9	-242.2	0.00	0.00	0.00	
6,650.0	3.37	230.27	6,640.5	-207.9	-250.2	-244.4	0.00	0.00	0.00	
6,700.0	3.37	230.27	6,690.4	-209.8	-252.4	-246.6	0.00	0.00	0.00	
6,750.0	3.37	230.27	6,740.3	-211.7	-254.7	-248.8	0.00	0.00	0.00	
6,800.0	3.37	230.27	6,790.2	-213.5	-257.0	-251.0	0.00	0.00	0.00	
6,850.0	3.37	230.27	6,840.1	-215.4	-259.2	-253.2	0.00	0.00	0.00	
6,900.0	3.37	230.27	6,890.1	-217.3	-261.5	-255.4	0.00	0.00	0.00	
6,950.0	3.37	230.27	6,940.0	-219.2	-263.7	-257.6	0.00	0.00	0.00	
7,000.0	3.37	230.27	6,989.9	-221.1	-266.0	-259.8	0.00	0.00	0.00	
7,050.0	3.37	230.27	7,039.8	-222.9	-268.2	-262.1	0.00	0.00	0.00	
7,100.0	3.37	230.27	7,089.7	-224.8	-270.5	-264.3	0.00	0.00	0.00	
7,150.0	3.37	230.27	7,139.6	-226.7	-272.8	-266.5	0.00	0.00	0.00	
7,200.0	3.37	230.27	7,189.5	-228.6	-275.0	-268.7	0.00	0.00	0.00	
7,250.0	3.37	230.27	7,239.5	-230.4	-277.3	-270.9	0.00	0.00	0.00	
7,300.0	3.37	230.27	7,289.4	-232.3	-279.5	-273.1	0.00	0.00	0.00	
7,350.0	3.37	230.27	7,339.3	-234.2	-281.8	-275.3	0.00	0.00	0.00	
7,400.0	3.37	230.27	7,389.2	-236.1	-284.0	-277.5	0.00	0.00	0.00	
7,450.0	3.37	230.27	7,439.1	-237.9	-286.3	-279.7	0.00	0.00	0.00	
7,500.0	3.37	230.27	7,489.0	-239.8	-288.6	-281.9	0.00	0.00	0.00	
7,550.0	3.37	230.27	7,538.9	-241.7	-290.8	-284.1	0.00	0.00	0.00	
7,600.0	3.37	230.27	7,588.9	-243.6	-293.1	-286.3	0.00	0.00	0.00	
7,650.0	3.37	230.27	7,638.8	-245.4	-295.3	-288.5	0.00	0.00	0.00	
7,700.0	3.37	230.27	7,688.7	-247.3	-297.6	-290.7	0.00	0.00	0.00	
7,750.0	3.37	230.27	7,738.6	-249.2	-299.8	-292.9	0.00	0.00	0.00	
7,800.0	3.37	230.27	7,788.5	-251.1	-302.1	-295.1	0.00	0.00	0.00	
7,850.0	3.37	230.27	7,838.4	-252.9	-304.4	-297.3	0.00	0.00	0.00	
7,900.0	3.37	230.27	7,888.3	-254.8	-306.6	-299.5	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,950.0	3.37	230.27	7,938.2	-256.7	-308.9	-301.8	0.00	0.00	0.00	
8,000.0	3.37	230.27	7,988.2	-258.6	-311.1	-304.0	0.00	0.00	0.00	
8,050.0	3.37	230.27	8,038.1	-260.5	-313.4	-306.2	0.00	0.00	0.00	
8,100.0	3.37	230.27	8,088.0	-262.3	-315.7	-308.4	0.00	0.00	0.00	
8,150.0	3.37	230.27	8,137.9	-264.2	-317.9	-310.6	0.00	0.00	0.00	
8,200.0	3.37	230.27	8,187.8	-266.1	-320.2	-312.8	0.00	0.00	0.00	
8,250.0	3.37	230.27	8,237.7	-268.0	-322.4	-315.0	0.00	0.00	0.00	
8,300.0	3.37	230.27	8,287.6	-269.8	-324.7	-317.2	0.00	0.00	0.00	
8,350.0	3.37	230.27	8,337.6	-271.7	-326.9	-319.4	0.00	0.00	0.00	
8,400.0	3.37	230.27	8,387.5	-273.6	-329.2	-321.6	0.00	0.00	0.00	
8,450.0	3.37	230.27	8,437.4	-275.5	-331.5	-323.8	0.00	0.00	0.00	
8,500.0	3.37	230.27	8,487.3	-277.3	-333.7	-326.0	0.00	0.00	0.00	
8,550.0	3.37	230.27	8,537.2	-279.2	-336.0	-328.2	0.00	0.00	0.00	
8,600.0	3.37	230.27	8,587.1	-281.1	-338.2	-330.4	0.00	0.00	0.00	
8,650.0	3.37	230.27	8,637.0	-283.0	-340.5	-332.6	0.00	0.00	0.00	
8,700.0	3.37	230.27	8,687.0	-284.8	-342.7	-334.8	0.00	0.00	0.00	
8,750.0	3.37	230.27	8,736.9	-286.7	-345.0	-337.0	0.00	0.00	0.00	
8,800.0	3.37	230.27	8,786.8	-288.6	-347.3	-339.2	0.00	0.00	0.00	
8,850.0	3.37	230.27	8,836.7	-290.5	-349.5	-341.5	0.00	0.00	0.00	
8,900.0	3.37	230.27	8,886.6	-292.3	-351.8	-343.7	0.00	0.00	0.00	
8,950.0	3.37	230.27	8,936.5	-294.2	-354.0	-345.9	0.00	0.00	0.00	
9,000.0	3.37	230.27	8,986.4	-296.1	-356.3	-348.1	0.00	0.00	0.00	
9,050.0	3.37	230.27	9,036.4	-298.0	-358.5	-350.3	0.00	0.00	0.00	
9,100.0	3.37	230.27	9,086.3	-299.9	-360.8	-352.5	0.00	0.00	0.00	
9,150.0	3.37	230.27	9,136.2	-301.7	-363.1	-354.7	0.00	0.00	0.00	
9,179.7	3.37	230.27	9,165.8	-302.8	-364.4	-356.0	0.00	0.00	0.00	
9,200.0	2.96	230.27	9,186.1	-303.6	-365.3	-356.8	2.00	-2.00	0.00	
9,250.0	1.96	230.27	9,236.0	-304.9	-366.9	-358.4	2.00	-2.00	0.00	
9,300.0	0.96	230.27	9,286.0	-305.7	-367.9	-359.4	2.00	-2.00	0.00	
9,348.0	0.00	0.00	9,334.0	-306.0	-368.2	-359.7	2.00	-2.00	0.00	
KOP: 660' FSL & 10' FWL (Sec 30)										
9,350.0	0.20	89.84	9,336.0	-306.0	-368.2	-359.7	10.00	10.00	0.00	
9,400.0	5.20	89.84	9,386.0	-306.0	-365.8	-357.3	10.00	10.00	0.00	
9,450.0	10.20	89.84	9,435.5	-306.0	-359.1	-350.7	10.00	10.00	0.00	
9,500.0	15.20	89.84	9,484.3	-305.9	-348.2	-339.7	10.00	10.00	0.00	
9,550.0	20.20	89.84	9,531.9	-305.9	-333.0	-324.5	10.00	10.00	0.00	
9,600.0	25.20	89.84	9,578.0	-305.8	-313.7	-305.2	10.00	10.00	0.00	
9,650.0	30.20	89.84	9,622.2	-305.8	-290.4	-282.0	10.00	10.00	0.00	
9,673.5	32.54	89.84	9,642.3	-305.7	-278.2	-269.8	10.00	10.00	0.00	
FTP: 660' FSL & 100' FWL (Sec 30)										
9,700.0	35.19	89.84	9,664.3	-305.7	-263.4	-255.0	10.00	10.00	0.00	
9,750.0	40.19	89.84	9,703.9	-305.6	-232.9	-224.4	10.00	10.00	0.00	
9,800.0	45.19	89.84	9,740.6	-305.5	-199.0	-190.6	10.00	10.00	0.00	
9,850.0	50.19	89.84	9,774.2	-305.4	-162.0	-153.6	10.00	10.00	0.00	
9,900.0	55.19	89.84	9,804.5	-305.3	-122.3	-113.9	10.00	10.00	0.00	
9,950.0	60.19	89.84	9,831.3	-305.2	-80.0	-71.7	10.00	10.00	0.00	
10,000.0	65.19	89.84	9,854.2	-305.1	-35.6	-27.3	10.00	10.00	0.00	
10,050.0	70.18	89.84	9,873.2	-304.9	10.6	19.0	10.00	10.00	0.00	
10,100.0	75.18	89.84	9,888.1	-304.8	58.3	66.7	10.00	10.00	0.00	
10,150.0	80.18	89.84	9,898.7	-304.7	107.2	115.5	10.00	10.00	0.00	
10,200.0	85.18	89.84	9,905.1	-304.5	156.8	165.0	10.00	10.00	0.00	
10,237.1	88.89	89.84	9,907.0	-304.4	193.8	202.1	10.00	10.00	0.00	
10,248.2	88.89	89.84	9,907.2	-304.4	204.9	213.1	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LP: 660' FSL & 583' FWL (Sec 30)									
10,250.0	88.89	89.84	9,907.2	-304.4	206.7	214.9	0.00	0.00	0.00
10,300.0	88.89	89.84	9,908.2	-304.3	256.7	264.9	0.00	0.00	0.00
10,350.0	88.89	89.84	9,909.2	-304.1	306.7	314.9	0.00	0.00	0.00
10,400.0	88.89	89.84	9,910.1	-304.0	356.7	364.8	0.00	0.00	0.00
10,450.0	88.89	89.84	9,911.1	-303.8	406.7	414.8	0.00	0.00	0.00
10,500.0	88.89	89.84	9,912.1	-303.7	456.7	464.8	0.00	0.00	0.00
10,550.0	88.89	89.84	9,913.0	-303.6	506.6	514.7	0.00	0.00	0.00
10,600.0	88.89	89.84	9,914.0	-303.4	556.6	564.7	0.00	0.00	0.00
10,650.0	88.89	89.84	9,915.0	-303.3	606.6	614.7	0.00	0.00	0.00
10,700.0	88.89	89.84	9,915.9	-303.1	656.6	664.6	0.00	0.00	0.00
10,750.0	88.89	89.84	9,916.9	-303.0	706.6	714.6	0.00	0.00	0.00
10,800.0	88.89	89.84	9,917.9	-302.9	756.6	764.6	0.00	0.00	0.00
10,850.0	88.89	89.84	9,918.8	-302.7	806.6	814.6	0.00	0.00	0.00
10,900.0	88.89	89.84	9,919.8	-302.6	856.6	864.5	0.00	0.00	0.00
10,950.0	88.89	89.84	9,920.8	-302.4	906.6	914.5	0.00	0.00	0.00
11,000.0	88.89	89.84	9,921.7	-302.3	956.6	964.5	0.00	0.00	0.00
11,050.0	88.89	89.84	9,922.7	-302.2	1,006.5	1,014.4	0.00	0.00	0.00
11,100.0	88.89	89.84	9,923.7	-302.0	1,056.5	1,064.4	0.00	0.00	0.00
11,150.0	88.89	89.84	9,924.6	-301.9	1,106.5	1,114.4	0.00	0.00	0.00
11,200.0	88.89	89.84	9,925.6	-301.7	1,156.5	1,164.3	0.00	0.00	0.00
11,250.0	88.89	89.84	9,926.6	-301.6	1,206.5	1,214.3	0.00	0.00	0.00
11,300.0	88.89	89.84	9,927.5	-301.5	1,256.5	1,264.3	0.00	0.00	0.00
11,350.0	88.89	89.84	9,928.5	-301.3	1,306.5	1,314.2	0.00	0.00	0.00
11,400.0	88.89	89.84	9,929.5	-301.2	1,356.5	1,364.2	0.00	0.00	0.00
11,450.0	88.89	89.84	9,930.4	-301.0	1,406.5	1,414.2	0.00	0.00	0.00
11,500.0	88.89	89.84	9,931.4	-300.9	1,456.5	1,464.1	0.00	0.00	0.00
11,550.0	88.89	89.84	9,932.4	-300.8	1,506.5	1,514.1	0.00	0.00	0.00
11,600.0	88.89	89.84	9,933.3	-300.6	1,556.4	1,564.1	0.00	0.00	0.00
11,650.0	88.89	89.84	9,934.3	-300.5	1,606.4	1,614.0	0.00	0.00	0.00
11,700.0	88.89	89.84	9,935.3	-300.3	1,656.4	1,664.0	0.00	0.00	0.00
11,750.0	88.89	89.84	9,936.2	-300.2	1,706.4	1,714.0	0.00	0.00	0.00
11,800.0	88.89	89.84	9,937.2	-300.1	1,756.4	1,763.9	0.00	0.00	0.00
11,850.0	88.89	89.84	9,938.2	-299.9	1,806.4	1,813.9	0.00	0.00	0.00
11,900.0	88.89	89.84	9,939.1	-299.8	1,856.4	1,863.9	0.00	0.00	0.00
11,950.0	88.89	89.84	9,940.1	-299.7	1,906.4	1,913.8	0.00	0.00	0.00
12,000.0	88.89	89.84	9,941.1	-299.5	1,956.4	1,963.8	0.00	0.00	0.00
12,050.0	88.89	89.84	9,942.0	-299.4	2,006.4	2,013.8	0.00	0.00	0.00
12,100.0	88.89	89.84	9,943.0	-299.2	2,056.3	2,063.8	0.00	0.00	0.00
12,150.0	88.89	89.84	9,944.0	-299.1	2,106.3	2,113.7	0.00	0.00	0.00
12,200.0	88.89	89.84	9,944.9	-299.0	2,156.3	2,163.7	0.00	0.00	0.00
12,250.0	88.89	89.84	9,945.9	-298.8	2,206.3	2,213.7	0.00	0.00	0.00
12,300.0	88.89	89.84	9,946.9	-298.7	2,256.3	2,263.6	0.00	0.00	0.00
12,342.8	88.89	89.84	9,947.7	-298.6	2,299.1	2,306.4	0.00	0.00	0.00
PPP2: 660' FSL & 2678' FWL (Sec 30)									
12,350.0	88.89	89.84	9,947.8	-298.5	2,306.3	2,313.6	0.00	0.00	0.00
12,400.0	88.89	89.84	9,948.8	-298.4	2,356.3	2,363.6	0.00	0.00	0.00
12,450.0	88.89	89.84	9,949.8	-298.3	2,406.3	2,413.5	0.00	0.00	0.00
12,500.0	88.89	89.84	9,950.7	-298.1	2,456.3	2,463.5	0.00	0.00	0.00
12,550.0	88.89	89.84	9,951.7	-298.0	2,506.3	2,513.5	0.00	0.00	0.00
12,600.0	88.89	89.84	9,952.7	-297.8	2,556.3	2,563.4	0.00	0.00	0.00
12,650.0	88.89	89.84	9,953.6	-297.7	2,606.2	2,613.4	0.00	0.00	0.00
12,700.0	88.89	89.84	9,954.6	-297.6	2,656.2	2,663.4	0.00	0.00	0.00
12,750.0	88.89	89.84	9,955.6	-297.4	2,706.2	2,713.3	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,800.0	88.89	89.84	9,956.5	-297.3	2,756.2	2,763.3	0.00	0.00	0.00	
12,850.0	88.89	89.84	9,957.5	-297.1	2,806.2	2,813.3	0.00	0.00	0.00	
12,900.0	88.89	89.84	9,958.5	-297.0	2,856.2	2,863.2	0.00	0.00	0.00	
12,950.0	88.89	89.84	9,959.4	-296.9	2,906.2	2,913.2	0.00	0.00	0.00	
13,000.0	88.89	89.84	9,960.4	-296.7	2,956.2	2,963.2	0.00	0.00	0.00	
13,050.0	88.89	89.84	9,961.4	-296.6	3,006.2	3,013.1	0.00	0.00	0.00	
13,100.0	88.89	89.84	9,962.3	-296.4	3,056.2	3,063.1	0.00	0.00	0.00	
13,150.0	88.89	89.84	9,963.3	-296.3	3,106.1	3,113.1	0.00	0.00	0.00	
13,200.0	88.89	89.84	9,964.3	-296.2	3,156.1	3,163.0	0.00	0.00	0.00	
13,250.0	88.89	89.84	9,965.2	-296.0	3,206.1	3,213.0	0.00	0.00	0.00	
13,300.0	88.89	89.84	9,966.2	-295.9	3,256.1	3,263.0	0.00	0.00	0.00	
13,350.0	88.89	89.84	9,967.2	-295.7	3,306.1	3,313.0	0.00	0.00	0.00	
13,400.0	88.89	89.84	9,968.1	-295.6	3,356.1	3,362.9	0.00	0.00	0.00	
13,450.0	88.89	89.84	9,969.1	-295.5	3,406.1	3,412.9	0.00	0.00	0.00	
13,500.0	88.89	89.84	9,970.1	-295.3	3,456.1	3,462.9	0.00	0.00	0.00	
13,550.0	88.89	89.84	9,971.0	-295.2	3,506.1	3,512.8	0.00	0.00	0.00	
13,600.0	88.89	89.84	9,972.0	-295.0	3,556.1	3,562.8	0.00	0.00	0.00	
13,650.0	88.89	89.84	9,973.0	-294.9	3,606.1	3,612.8	0.00	0.00	0.00	
13,700.0	88.89	89.84	9,973.9	-294.8	3,656.0	3,662.7	0.00	0.00	0.00	
13,750.0	88.89	89.84	9,974.9	-294.6	3,706.0	3,712.7	0.00	0.00	0.00	
13,800.0	88.89	89.84	9,975.8	-294.5	3,756.0	3,762.7	0.00	0.00	0.00	
13,850.0	88.89	89.84	9,976.8	-294.3	3,806.0	3,812.6	0.00	0.00	0.00	
13,900.0	88.89	89.84	9,977.8	-294.2	3,856.0	3,862.6	0.00	0.00	0.00	
13,950.0	88.89	89.84	9,978.7	-294.1	3,906.0	3,912.6	0.00	0.00	0.00	
14,000.0	88.89	89.84	9,979.7	-293.9	3,956.0	3,962.5	0.00	0.00	0.00	
14,050.0	88.89	89.84	9,980.7	-293.8	4,006.0	4,012.5	0.00	0.00	0.00	
14,100.0	88.89	89.84	9,981.6	-293.6	4,056.0	4,062.5	0.00	0.00	0.00	
14,150.0	88.89	89.84	9,982.6	-293.5	4,106.0	4,112.4	0.00	0.00	0.00	
14,200.0	88.89	89.84	9,983.6	-293.4	4,155.9	4,162.4	0.00	0.00	0.00	
14,250.0	88.89	89.84	9,984.5	-293.2	4,205.9	4,212.4	0.00	0.00	0.00	
14,300.0	88.89	89.84	9,985.5	-293.1	4,255.9	4,262.3	0.00	0.00	0.00	
14,350.0	88.89	89.84	9,986.5	-293.0	4,305.9	4,312.3	0.00	0.00	0.00	
14,400.0	88.89	89.84	9,987.4	-292.8	4,355.9	4,362.3	0.00	0.00	0.00	
14,450.0	88.89	89.84	9,988.4	-292.7	4,405.9	4,412.2	0.00	0.00	0.00	
14,500.0	88.89	89.84	9,989.4	-292.5	4,455.9	4,462.2	0.00	0.00	0.00	
14,550.0	88.89	89.84	9,990.3	-292.4	4,505.9	4,512.2	0.00	0.00	0.00	
14,600.0	88.89	89.84	9,991.3	-292.3	4,555.9	4,562.2	0.00	0.00	0.00	
14,650.0	88.89	89.84	9,992.3	-292.1	4,605.9	4,612.1	0.00	0.00	0.00	
14,700.0	88.89	89.84	9,993.2	-292.0	4,655.9	4,662.1	0.00	0.00	0.00	
14,750.0	88.89	89.84	9,994.2	-291.8	4,705.8	4,712.1	0.00	0.00	0.00	
14,800.0	88.89	89.84	9,995.2	-291.7	4,755.8	4,762.0	0.00	0.00	0.00	
14,850.0	88.89	89.84	9,996.1	-291.6	4,805.8	4,812.0	0.00	0.00	0.00	
14,900.0	88.89	89.84	9,997.1	-291.4	4,855.8	4,862.0	0.00	0.00	0.00	
14,950.0	88.89	89.84	9,998.1	-291.3	4,905.8	4,911.9	0.00	0.00	0.00	
14,983.0	88.89	89.84	9,998.7	-291.2	4,938.8	4,944.9	0.00	0.00	0.00	
PPP3: 659' FSL & 0' FWL (Sec 29)										
15,000.0	88.89	89.84	9,999.0	-291.1	4,955.8	4,961.9	0.00	0.00	0.00	
15,050.0	88.89	89.84	10,000.0	-291.0	5,005.8	5,011.9	0.00	0.00	0.00	
15,100.0	88.89	89.84	10,001.0	-290.9	5,055.8	5,061.8	0.00	0.00	0.00	
15,150.0	88.89	89.84	10,001.9	-290.7	5,105.8	5,111.8	0.00	0.00	0.00	
15,200.0	88.89	89.84	10,002.9	-290.6	5,155.8	5,161.8	0.00	0.00	0.00	
15,250.0	88.89	89.84	10,003.9	-290.4	5,205.7	5,211.7	0.00	0.00	0.00	
15,300.0	88.89	89.84	10,004.8	-290.3	5,255.7	5,261.7	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,350.0	88.89	89.84	10,005.8	-290.2	5,305.7	5,311.7	0.00	0.00	0.00
15,400.0	88.89	89.84	10,006.8	-290.0	5,355.7	5,361.6	0.00	0.00	0.00
15,450.0	88.89	89.84	10,007.7	-289.9	5,405.7	5,411.6	0.00	0.00	0.00
15,500.0	88.89	89.84	10,008.7	-289.7	5,455.7	5,461.6	0.00	0.00	0.00
15,550.0	88.89	89.84	10,009.7	-289.6	5,505.7	5,511.5	0.00	0.00	0.00
15,600.0	88.89	89.84	10,010.6	-289.5	5,555.7	5,561.5	0.00	0.00	0.00
15,650.0	88.89	89.84	10,011.6	-289.3	5,605.7	5,611.5	0.00	0.00	0.00
15,700.0	88.89	89.84	10,012.6	-289.2	5,655.7	5,661.4	0.00	0.00	0.00
15,750.0	88.89	89.84	10,013.5	-289.0	5,705.7	5,711.4	0.00	0.00	0.00
15,800.0	88.89	89.84	10,014.5	-288.9	5,755.6	5,761.4	0.00	0.00	0.00
15,850.0	88.89	89.84	10,015.5	-288.8	5,805.6	5,811.4	0.00	0.00	0.00
15,900.0	88.89	89.84	10,016.4	-288.6	5,855.6	5,861.3	0.00	0.00	0.00
15,950.0	88.89	89.84	10,017.4	-288.5	5,905.6	5,911.3	0.00	0.00	0.00
16,000.0	88.89	89.84	10,018.4	-288.3	5,955.6	5,961.3	0.00	0.00	0.00
16,050.0	88.89	89.84	10,019.3	-288.2	6,005.6	6,011.2	0.00	0.00	0.00
16,100.0	88.89	89.84	10,020.3	-288.1	6,055.6	6,061.2	0.00	0.00	0.00
16,150.0	88.89	89.84	10,021.3	-287.9	6,105.6	6,111.2	0.00	0.00	0.00
16,200.0	88.89	89.84	10,022.2	-287.8	6,155.6	6,161.1	0.00	0.00	0.00
16,250.0	88.89	89.84	10,023.2	-287.6	6,205.6	6,211.1	0.00	0.00	0.00
16,300.0	88.89	89.84	10,024.2	-287.5	6,255.5	6,261.1	0.00	0.00	0.00
16,350.0	88.89	89.84	10,025.1	-287.4	6,305.5	6,311.0	0.00	0.00	0.00
16,400.0	88.89	89.84	10,026.1	-287.2	6,355.5	6,361.0	0.00	0.00	0.00
16,450.0	88.89	89.84	10,027.1	-287.1	6,405.5	6,411.0	0.00	0.00	0.00
16,500.0	88.89	89.84	10,028.0	-287.0	6,455.5	6,460.9	0.00	0.00	0.00
16,550.0	88.89	89.84	10,029.0	-286.8	6,505.5	6,510.9	0.00	0.00	0.00
16,600.0	88.89	89.84	10,030.0	-286.7	6,555.5	6,560.9	0.00	0.00	0.00
16,650.0	88.89	89.84	10,030.9	-286.5	6,605.5	6,610.8	0.00	0.00	0.00
16,700.0	88.89	89.84	10,031.9	-286.4	6,655.5	6,660.8	0.00	0.00	0.00
16,750.0	88.89	89.84	10,032.9	-286.3	6,705.5	6,710.8	0.00	0.00	0.00
16,800.0	88.89	89.84	10,033.8	-286.1	6,755.5	6,760.7	0.00	0.00	0.00
16,850.0	88.89	89.84	10,034.8	-286.0	6,805.4	6,810.7	0.00	0.00	0.00
16,900.0	88.89	89.84	10,035.8	-285.8	6,855.4	6,860.7	0.00	0.00	0.00
16,950.0	88.89	89.84	10,036.7	-285.7	6,905.4	6,910.6	0.00	0.00	0.00
17,000.0	88.89	89.84	10,037.7	-285.6	6,955.4	6,960.6	0.00	0.00	0.00
17,050.0	88.89	89.84	10,038.7	-285.4	7,005.4	7,010.6	0.00	0.00	0.00
17,100.0	88.89	89.84	10,039.6	-285.3	7,055.4	7,060.6	0.00	0.00	0.00
17,150.0	88.89	89.84	10,040.6	-285.1	7,105.4	7,110.5	0.00	0.00	0.00
17,200.0	88.89	89.84	10,041.6	-285.0	7,155.4	7,160.5	0.00	0.00	0.00
17,250.0	88.89	89.84	10,042.5	-284.9	7,205.4	7,210.5	0.00	0.00	0.00
17,300.0	88.89	89.84	10,043.5	-284.7	7,255.4	7,260.4	0.00	0.00	0.00
17,350.0	88.89	89.84	10,044.5	-284.6	7,305.3	7,310.4	0.00	0.00	0.00
17,400.0	88.89	89.84	10,045.4	-284.4	7,355.3	7,360.4	0.00	0.00	0.00
17,450.0	88.89	89.84	10,046.4	-284.3	7,405.3	7,410.3	0.00	0.00	0.00
17,500.0	88.89	89.84	10,047.3	-284.2	7,455.3	7,460.3	0.00	0.00	0.00
17,550.0	88.89	89.84	10,048.3	-284.0	7,505.3	7,510.3	0.00	0.00	0.00
17,600.0	88.89	89.84	10,049.3	-283.9	7,555.3	7,560.2	0.00	0.00	0.00
17,650.0	88.89	89.84	10,050.2	-283.7	7,605.3	7,610.2	0.00	0.00	0.00
17,700.0	88.89	89.84	10,051.2	-283.6	7,655.3	7,660.2	0.00	0.00	0.00
17,750.0	88.89	89.84	10,052.2	-283.5	7,705.3	7,710.1	0.00	0.00	0.00
17,800.0	88.89	89.84	10,053.1	-283.3	7,755.3	7,760.1	0.00	0.00	0.00
17,850.0	88.89	89.84	10,054.1	-283.2	7,805.3	7,810.1	0.00	0.00	0.00
17,900.0	88.89	89.84	10,055.1	-283.0	7,855.2	7,860.0	0.00	0.00	0.00
17,950.0	88.89	89.84	10,056.0	-282.9	7,905.2	7,910.0	0.00	0.00	0.00
18,000.0	88.89	89.84	10,057.0	-282.8	7,955.2	7,960.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

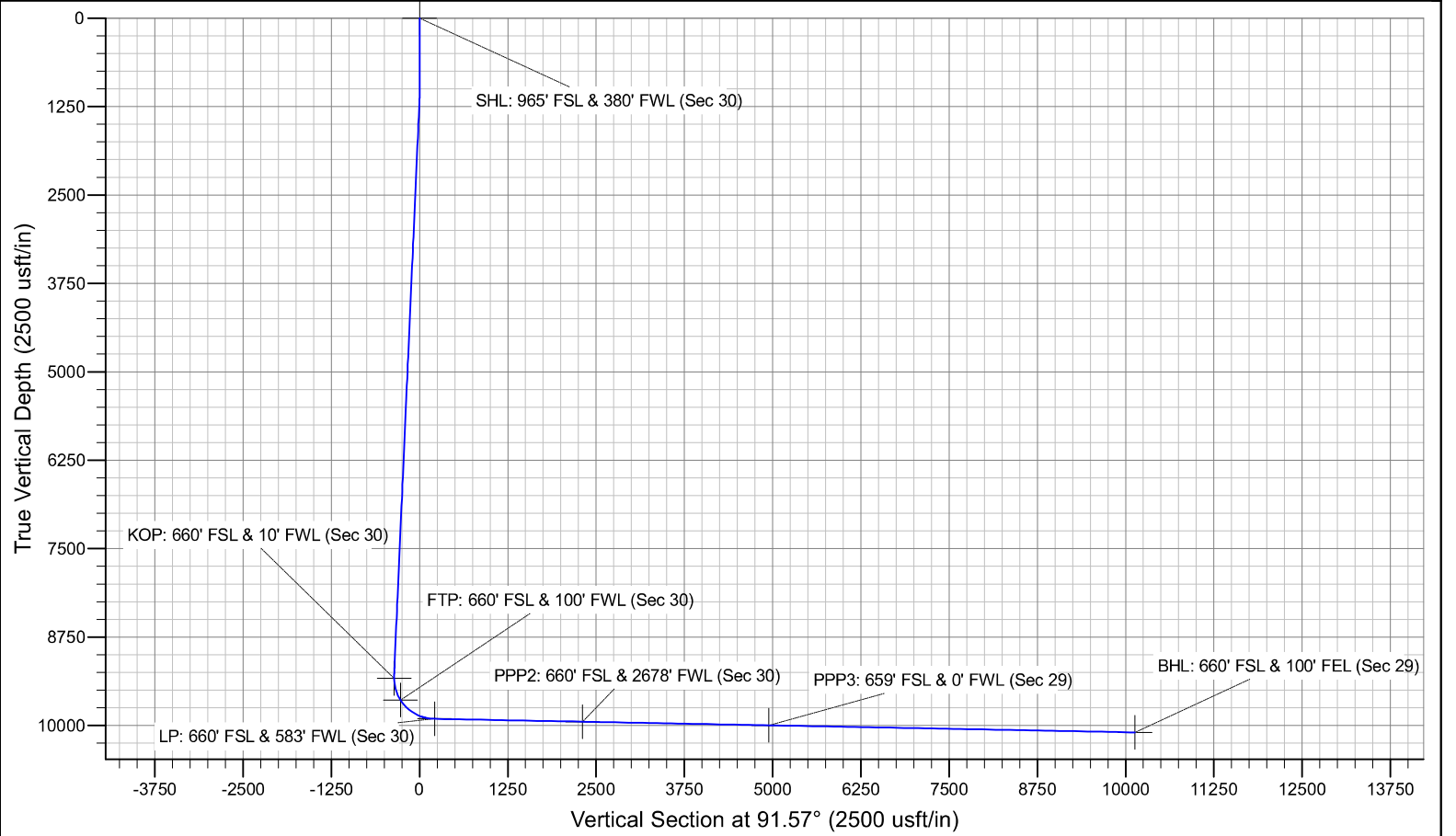
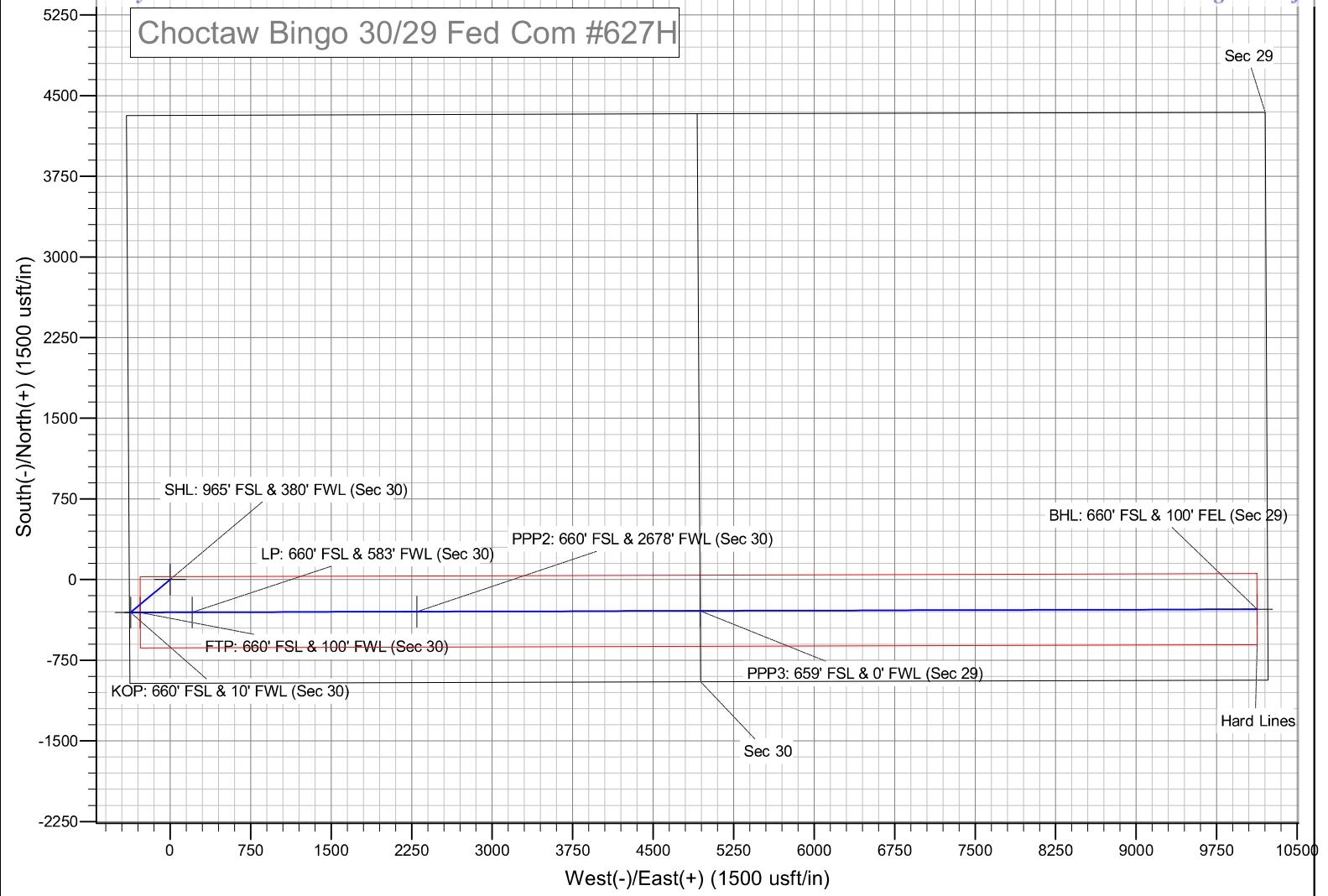
Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
18,050.0	88.89	89.84	10,058.0	-282.6	8,005.2	8,009.9	0.00	0.00	0.00	
18,100.0	88.89	89.84	10,058.9	-282.5	8,055.2	8,059.9	0.00	0.00	0.00	
18,150.0	88.89	89.84	10,059.9	-282.3	8,105.2	8,109.9	0.00	0.00	0.00	
18,200.0	88.89	89.84	10,060.9	-282.2	8,155.2	8,159.8	0.00	0.00	0.00	
18,250.0	88.89	89.84	10,061.8	-282.1	8,205.2	8,209.8	0.00	0.00	0.00	
18,300.0	88.89	89.84	10,062.8	-281.9	8,255.2	8,259.8	0.00	0.00	0.00	
18,350.0	88.89	89.84	10,063.8	-281.8	8,305.2	8,309.8	0.00	0.00	0.00	
18,400.0	88.89	89.84	10,064.7	-281.6	8,355.1	8,359.7	0.00	0.00	0.00	
18,450.0	88.89	89.84	10,065.7	-281.5	8,405.1	8,409.7	0.00	0.00	0.00	
18,500.0	88.89	89.84	10,066.7	-281.4	8,455.1	8,459.7	0.00	0.00	0.00	
18,550.0	88.89	89.84	10,067.6	-281.2	8,505.1	8,509.6	0.00	0.00	0.00	
18,600.0	88.89	89.84	10,068.6	-281.1	8,555.1	8,559.6	0.00	0.00	0.00	
18,650.0	88.89	89.84	10,069.6	-281.0	8,605.1	8,609.6	0.00	0.00	0.00	
18,700.0	88.89	89.84	10,070.5	-280.8	8,655.1	8,659.5	0.00	0.00	0.00	
18,750.0	88.89	89.84	10,071.5	-280.7	8,705.1	8,709.5	0.00	0.00	0.00	
18,800.0	88.89	89.84	10,072.5	-280.5	8,755.1	8,759.5	0.00	0.00	0.00	
18,850.0	88.89	89.84	10,073.4	-280.4	8,805.1	8,809.4	0.00	0.00	0.00	
18,900.0	88.89	89.84	10,074.4	-280.3	8,855.1	8,859.4	0.00	0.00	0.00	
18,950.0	88.89	89.84	10,075.4	-280.1	8,905.0	8,909.4	0.00	0.00	0.00	
19,000.0	88.89	89.84	10,076.3	-280.0	8,955.0	8,959.3	0.00	0.00	0.00	
19,050.0	88.89	89.84	10,077.3	-279.8	9,005.0	9,009.3	0.00	0.00	0.00	
19,100.0	88.89	89.84	10,078.3	-279.7	9,055.0	9,059.3	0.00	0.00	0.00	
19,150.0	88.89	89.84	10,079.2	-279.6	9,105.0	9,109.2	0.00	0.00	0.00	
19,200.0	88.89	89.84	10,080.2	-279.4	9,155.0	9,159.2	0.00	0.00	0.00	
19,250.0	88.89	89.84	10,081.2	-279.3	9,205.0	9,209.2	0.00	0.00	0.00	
19,300.0	88.89	89.84	10,082.1	-279.1	9,255.0	9,259.1	0.00	0.00	0.00	
19,350.0	88.89	89.84	10,083.1	-279.0	9,305.0	9,309.1	0.00	0.00	0.00	
19,400.0	88.89	89.84	10,084.1	-278.9	9,355.0	9,359.1	0.00	0.00	0.00	
19,450.0	88.89	89.84	10,085.0	-278.7	9,404.9	9,409.0	0.00	0.00	0.00	
19,500.0	88.89	89.84	10,086.0	-278.6	9,454.9	9,459.0	0.00	0.00	0.00	
19,550.0	88.89	89.84	10,087.0	-278.4	9,504.9	9,509.0	0.00	0.00	0.00	
19,600.0	88.89	89.84	10,087.9	-278.3	9,554.9	9,559.0	0.00	0.00	0.00	
19,650.0	88.89	89.84	10,088.9	-278.2	9,604.9	9,608.9	0.00	0.00	0.00	
19,700.0	88.89	89.84	10,089.9	-278.0	9,654.9	9,658.9	0.00	0.00	0.00	
19,750.0	88.89	89.84	10,090.8	-277.9	9,704.9	9,708.9	0.00	0.00	0.00	
19,800.0	88.89	89.84	10,091.8	-277.7	9,754.9	9,758.8	0.00	0.00	0.00	
19,850.0	88.89	89.84	10,092.8	-277.6	9,804.9	9,808.8	0.00	0.00	0.00	
19,900.0	88.89	89.84	10,093.7	-277.5	9,854.9	9,858.8	0.00	0.00	0.00	
19,950.0	88.89	89.84	10,094.7	-277.3	9,904.9	9,908.7	0.00	0.00	0.00	
20,000.0	88.89	89.84	10,095.7	-277.2	9,954.8	9,958.7	0.00	0.00	0.00	
20,050.0	88.89	89.84	10,096.6	-277.0	10,004.8	10,008.7	0.00	0.00	0.00	
20,100.0	88.89	89.84	10,097.6	-276.9	10,054.8	10,058.6	0.00	0.00	0.00	
20,150.0	88.89	89.84	10,098.6	-276.8	10,104.8	10,108.6	0.00	0.00	0.00	
20,172.8	88.89	89.84	10,099.0	-276.7	10,127.6	10,131.4	0.00	0.00	0.00	
BHL: 660' FSL & 100' FEL (Sec 29)										

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Choctaw Bingo 30/29 Fed Com #627H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3703.0usft (Original Well Elev)
Project:	Lea County, New Mexico NAD 83	MD Reference:	WELL @ 3703.0usft (Original Well Elev)
Site:	Choctaw Bingo 30/29 Fed Com #627H	North Reference:	Grid
Well:	Sec 30, T18S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 660' FSL & 100' FEL (Sec 29)		
Design:	Design #1		

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	
SHL: 965' FSL & 380' Fv - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	623,869.30	701,331.90	32.7139784	-103.8131341	
KOP: 660' FSL & 10' FW - plan hits target center - Point	0.00	0.00	9,334.0	-306.0	-368.2	623,563.30	700,963.70	32.7131423	-103.8143360	
FTP: 660' FSL & 100' FV - plan hits target center - Point	0.00	0.00	9,642.3	-305.7	-278.2	623,563.60	701,053.70	32.7131419	-103.8140434	
LP: 660' FSL & 583' FW - plan hits target center - Point	0.00	0.00	9,907.2	-304.4	204.9	623,564.90	701,536.80	32.7131390	-103.8124727	
PPP2: 660' FSL & 2678' - plan hits target center - Point	0.00	0.00	9,947.7	-298.6	2,299.1	623,570.75	703,631.00	32.7131266	-103.8056640	
PPP3: 659' FSL & 0' FW - plan hits target center - Point	0.00	0.00	9,998.7	-291.2	4,938.8	623,578.12	706,270.70	32.7131104	-103.7970816	
BHL: 660' FSL & 100' FE - plan hits target center - Point	0.00	0.00	10,099.0	-276.7	10,127.6	623,592.60	711,459.50	32.7130770	-103.7802116	

Choctaw Bingo 30/29 Fed Com #627H



Mewbourne Oil Company, Choctaw Bingo Fed Com 627H

Sec 30, T18S, R32E

SHL: 965' FSL 380' FWL (Sec 30)

BHL: 660' FSL 100' FEL (Sec 29)

Well Location GL: 3675'

Point	Calls	Leases	Aliquot	Section	Township	Range	County	Lat	Long	TVD	MD
SHL	SHL: 965' FSL & 380' FWL (Sec 30)	NMNM094192	SWSW	30	18S	32E	Lea	32.7139783	- 103.8131340	0'	0'
KOP	KOP: 660' FSL & 10' FWL (Sec 30)	NMNM094192	SWSW	30	18S	32E	Lea	32.7131422	- 103.8143360	9,334'	9,348'
FTP	FTP: 660' FSL & 100' FWL (Sec 30)	NMNM094192	SWSW	30	18S	32E	Lea	32.7131417	- 103.8140434	9,642'	9,673'
PPP2	PPP2: 660' FSL & 2678' FWL (Sec 30)	NMNM098189	SWSE	30	18S	32E	Lea	32.7131265	- 103.8056638	9,947'	12,342'
PPP3	PPP3: 659' FSL & 0' FWL (Sec 29)	NMNM096855	SWSW	29	18S	32E	Lea	32.7131103	- 103.7970817	9,998'	14,983'
BHL	BHL: 660' FSL & 100' FEL (Sec 29)	NMNM096855	SESE	29	18S	32E	Lea	32.7130768	- 103.7802116	10,099'	20,172'

GEOLOGY

Formation	Est. Top (TVD)	Lithology	Mineral Resources	Formation	Est. Top (TVD)	Lithology	Mineral Resources
Rustler	950'	Dolomite/Anhydrite	Usable Water	Yeso			
Castile				Delaware (Lamar)	4853'	Limestone/Dolomite	Oil/Natural Gas
Salt Top	1240'	Salt	None	Bell Canyon			
Marker Bed 126				Cherry Canyon			
Salt Base	2340'	Salt	None	Manzanita Marker			
Yates	2548'	Sandstone	Oil/Natural Gas	Basal Brushy Canyon			
Seven Rivers	3011'	Dolomite	Oil/Natural Gas	Bone Spring	6660'	Limestone	Oil/Natural Gas
Queen	3643'	Sandstone/Dolomite	Oil/Natural Gas	1st Bone Spring Sand	8054'		
Capitan				2nd Bone Spring Sand	8751'		
Grayburg	3887'			3rd Bone Spring Sand	9587'		
San Andres	4296'	Dolomite	Oil/Natural Gas	Wolfcamp	9995'	Shale/Sandstone/Limestone	Oil/Natural Gas

Casing Program Design A						BLM Minimum Safety Factors		1.125	1.0	1.6 Dry	1.6 Dry
String	Hole Size	Top MD	Top TVD	Bot MD	Bot TVD	Csg. Size	SF Collapse	SF Burst		1.8 Wet	1.8 Wet
										SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	1025'	1025'	13.375" 48# H40 STC	1.68	3.77		6.54	11.00
Intermediate	12.25"	0'	0'	2600'	2600'	9.625" 36# J55 LTC	1.47	2.55		4.84	6.03
Production	8.75"	0'	0'	9348'	9348'	7" 26# P110 LTC	1.32	2.11		2.85	3.41
Production	8.5"	9348'	9334'	20172'	10099'	4.5" 13.5# RYS110 CDC HTQ	1.69	1.97		2.93	2.89

All casing strings will be tested in accordance with 43 CFR Part 3172. Must have table for contingency casing.

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

Mewbourne Oil Company, Choctaw Bingo Fed Com 627H

Sec 30, T18S, R32E

SHL: 965' FSL 380' FWL (Sec 30)

BHL: 660' FSL 100' FEL (Sec 29)

Design A - Cement Program

Csg. Size		# Sacks	Wt., lb/gal	Yield, ft ³ /sack	TOC/BOC	Volume, ft ³	% Excess	Slurry Description
13.375 in	LEAD	550	12.5	2.12	0' - 834'	1170	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	834' - 1025'	268		Class C: Retarder
9.625 in	LEAD	350	12.5	2.12	0' - 1916'	750	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1916' - 2600'	268		Class C: Retarder
7 in - 4.5 in	LEAD	680	12.5	2.12	2400' - 6970'	1450	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	3550	15.6	1.18	6970' - 20172'	4189		Class H: Retarder, Fluid Loss, Defoamer

Pressure Control Equipment

BOP installed and tested before drilling hole, in:	Size, in	System Rated WP	Type	Tested to:	Rating Depth	
12.25	13.375	5M	Annular	X	2500#/3500#	20,172'
			Blind Ram	X		
		5M	Pipe Ram	X	5000#	
			Double Ram			
			Other*			

*Specify if additional ram is utilized.

Equipment: Annular, Pipe Rams, Blind Rams, Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Variance Request: A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for hydrostatic test chart. Anchors are not required by manufacturer. Variance is requested to use a multi bowl wellhead. Variance is requested to perform break testing according to attached procedure. If a breaktesting variance is approved & incorporated, API Standard 53 will be incorporated and testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater, will be performed.

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

Y	Formation integrity test will be performed per 43 CFR Part 3172. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR Part 3172.
N	Mewbourne Oil Company request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack.

Mud Program

Depth (MD)	Mud Wt., lb/gal	Mud Type
0' - 1025'	8.4 - 8.6	Fresh Water
1025' - 2600'	10.0 - 10.2	Brine
2600' - 9348'	8.6 - 9.7	Cut-Brine
9348' - 20172'	10.0 - 12.	OBM

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring
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Mewbourne Oil Company, Choctaw Bingo Fed Com 627H

Sec 30, T18S, R32E

SHL: 965' FSL 380' FWL (Sec 30)

BHL: 660' FSL 100' FEL (Sec 29)

Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from KOP (9348') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
N	No logs are planned based on well control or offset log information. Offset Well:
N	Coring? If yes, explain:

Open & Cased Hole Logs Run In the Well

<input type="checkbox"/>	Caliper	<input type="checkbox"/>	Cement Bond Log	<input type="checkbox"/>	CNL/FDC
<input type="checkbox"/>	Compensated Densilog	<input checked="" type="checkbox"/>	Compensated Neutron Log	<input type="checkbox"/>	Computer Generated Log
<input type="checkbox"/>	Dip Meter Log	<input checked="" type="checkbox"/>	Directional Survey	<input type="checkbox"/>	Dual Induction/Microresistivity
<input type="checkbox"/>	Dual Lateral Log/Microspherically Focused	<input type="checkbox"/>	Electric Log	<input type="checkbox"/>	Formation Density Compensated Log
<input checked="" type="checkbox"/>	Gamma Ray Log	<input checked="" type="checkbox"/>	Measurement While Drilling	<input type="checkbox"/>	Mud Log/Geological Lithology Log
<input type="checkbox"/>	Other	<input type="checkbox"/>	Porosity-Resistivity Log	<input type="checkbox"/>	Sidewall Neutron Log
<input type="checkbox"/>	Sonic Log	<input type="checkbox"/>	Spontaneous Potential Log	<input type="checkbox"/>	Temperature Log

Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6302 psi
BH Temperature	140
Abnormal Temp, Pressure, or Geologic Hazards	No

Mitigation measure for abnormal conditions. Describe. *Lost circulation material/sweeps/mud scavengers in surface hole. Weighted mud for possible over-pressure in Wolfcamp formation.*

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

	H2S is present
X	H2S Plan attached

Mewbourne Oil Company, Choctaw Bingo Fed Com 627H
Sec 30, T18S, R32E
SHL: 965' FSL 380' FWL (Sec 30)
BHL: 660' FSL 100' FEL (Sec 29)

Other facets of operation

Mewbourne Oil Company also requests approval to implement additional designs as described below &/or in other attachments. BLM will be notified of elected design.

Offline Cementing Variance: Variance is requested to perform offline cementing according to the attached procedure. **R-111Q:** Mewbourne proposes performing Open Hole Cementing per R-111Q Guidelines if well is in Potash.

Casing Program Design B						BLM Minimum Safety Factors		1.125	1.0	1.6 Dry	1.6 Dry
String	Hole Size	Top MD	Top TVD	Bot MD	Bot TVD	Csg. Size	SF Collapse	SF Burst	1.8 Wet	1.8 Wet	
Surface	17.5"	0'	0'	1025'	1025'	13.375" 48# H40 STC	1.68	3.77	6.54	11.00	
Intermediate	12.25"	0'	0'	2600'	2600'	9.625" 36# J55 LTC	1.47	2.55	4.84	6.03	
Production	8.75"	0'	0'	9348'	9334'	7" 26# P110 LTC	1.32	2.11	2.85	3.41	
Liner	6.125"	9148'	9141'	20172'	10099'	4.5" 13.5# P110 LTC	1.69	1.97	2.27	2.84	

All casing strings will be tested in accordance with 43 CFR Part 3172. Must have table for contingency casing.

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

Design B - Cement Program

Csg. Size		# Sacks	Wt., lb/gal	Yield, ft ³ /sack	TOC/BOC	Volume, ft ³	% Excess	Slurry Description
13.375 in	LEAD	550	12.5	2.12	0' - 834'	1170	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	834' - 1025'	268		Class C: Retarder
9.625 in	LEAD	350	12.5	2.12	0' - 1916'	750	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1916' - 2600'	268		Class C: Retarder
1st Stg 7 in	LEAD	570	12.5	2.12	2400' - 7071'	1210	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	500	15.6	1.18	7071' - 9348'	590		Class H: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	700	13.5	1.85	9148' - 20172'	1300	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

Mewbourne Oil Company, Choctaw Bingo Fed Com 627H

Sec 30, T18S, R32E

SHL: 965' FSL 380' FWL (Sec 30)

BHL: 660' FSL 100' FEL (Sec 29)

Casing Program Design A						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry	1.6 Dry
									1.8 Wet	1.8 Wet
String	Hole Size	Top MD	Top TVD	Bot MD	Bot TVD	Csg. Size	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	1025'	1025'	13.375" 48# H40 STC	1.68	3.77	6.54	11.00
Intermediate	12.25"	0'	0'	2600'	2600'	9.625" 36# J55 LTC	1.47	2.55	4.84	6.03
Production	8.75"	0'	0'	9348'	9334'	7" 26# P110 LTC	1.32	2.11	2.85	3.41
Production	8.5"	9348'	9334'	20172'	10099'	4.5" 13.5# RYS110 CDC HTQ	1.69	1.97	2.93	2.89

Cement Program

Casing		# Sacks	Wt. lb/gal	Yield ft ³ /sack	TOC/BOC	Volume ft ³	% Excess	Slurry Description
13.375 in	LEAD	550	12.5	2.12	0' - 834'	1170	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	834' - 1025'	268		Class C: Retarder
9.625 in	LEAD	350	12.5	2.12	0' - 1916'	750	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1916' - 2600'	268		Class C: Retarder
7 in - 4.5 in	LEAD	680	12.5	2.12	2400' - 6970'	1450	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	3550	15.6	1.18	6970' - 20172'	4189		Class H: Retarder, Fluid Loss, Defoamer

Design A - Mud Program

Depth	Mud Wt	Mud Type
0' - 1025'	8.4 - 8.6	Fresh Water
1025' - 2600'	10.0 - 10.2	Brine
2600' - 9348'	8.6 - 9.7	Cut-Brine
9348' - 20172'	10.0 - 12.	OBM

Geology

Formation	Est. Top (TVD)	Mineral Resources	Formation	Est. Top (TVD)	Mineral Resources
Castile			Delaware (Lamar)	4853'	Oil/Natural Gas
Salt Top	1240'	None	Bell Canyon		
Marker Bed 126			Cherry Canyon		
Salt Base	2340'	None	Manzanita Marker		
Yates	2548'	Oil/Natural Gas	Basal Brushy Canyon		
Seven Rivers	3011'	Oil/Natural Gas	Bone Spring	6660'	Oil/Natural Gas
Queen	3643'	Oil/Natural Gas	1st Bone Spring Sand	8054'	Oil/Natural Gas
Capitan			2nd Bone Spring Sand	8751'	Oil/Natural Gas
Grayburg	3887'	None	3rd Bone Spring Sand	9587'	Oil/Natural Gas
San Andres	4296'	Oil/Natural Gas	Wolfcamp	9995'	Oil/Natural Gas

All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172. Must have table for contingency casing.

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

Mewbourne Oil Company, Choctaw Bingo Fed Com 627H

Sec 30, T18S, R32E

SHL: 965' FSL 380' FWL (Sec 30)

BHL: 660' FSL 100' FEL (Sec 29)

Casing Program Design B						BLM Minimum Safety Factors		1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
String	Hole Size	Top MD	Top TVD	Bot MD	Bot TVD	Csg. Size	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension	
Surface	17.5"	0'	0'	1025'	1025'	13.375" 48# H40 STC	1.68	3.77	6.54	11.00	
Intermediate	12.25"	0'	0'	2600'	2600'	9.625" 36# J55 LTC	1.47	2.55	4.84	6.03	
Production	8.75"	0'	0'	9348'	9334'	7" 26# P110 LTC	1.32	2.11	2.85	3.41	
Liner	6.125"	9148'	9141'	20172'	10099'	4.5" 13.5# P110 LTC	1.69	1.97	2.27	2.84	

Design B - Cement Program

Casing		# Sacks	Wt. lb/gal	Yield ft ³ /sack	TOC/BOC	Volume ft ³	% Excess	Slurry Description
13.375 in	LEAD	550	12.5	2.12	0' - 834'	1170	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	834' - 1025'	268		Class C: Retarder
9.625 in	LEAD	350	12.5	2.12	0' - 1916'	750	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1916' - 2600'	268		Class C: Retarder
1st Stg 7 in	LEAD	570	12.5	2.12	2400' - 7071'	1210	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	500	15.6	1.18	7071' - 9348'	590		Class H: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	700	13.5	1.85	9148' - 20172'	1300	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-

Design B - Mud Program

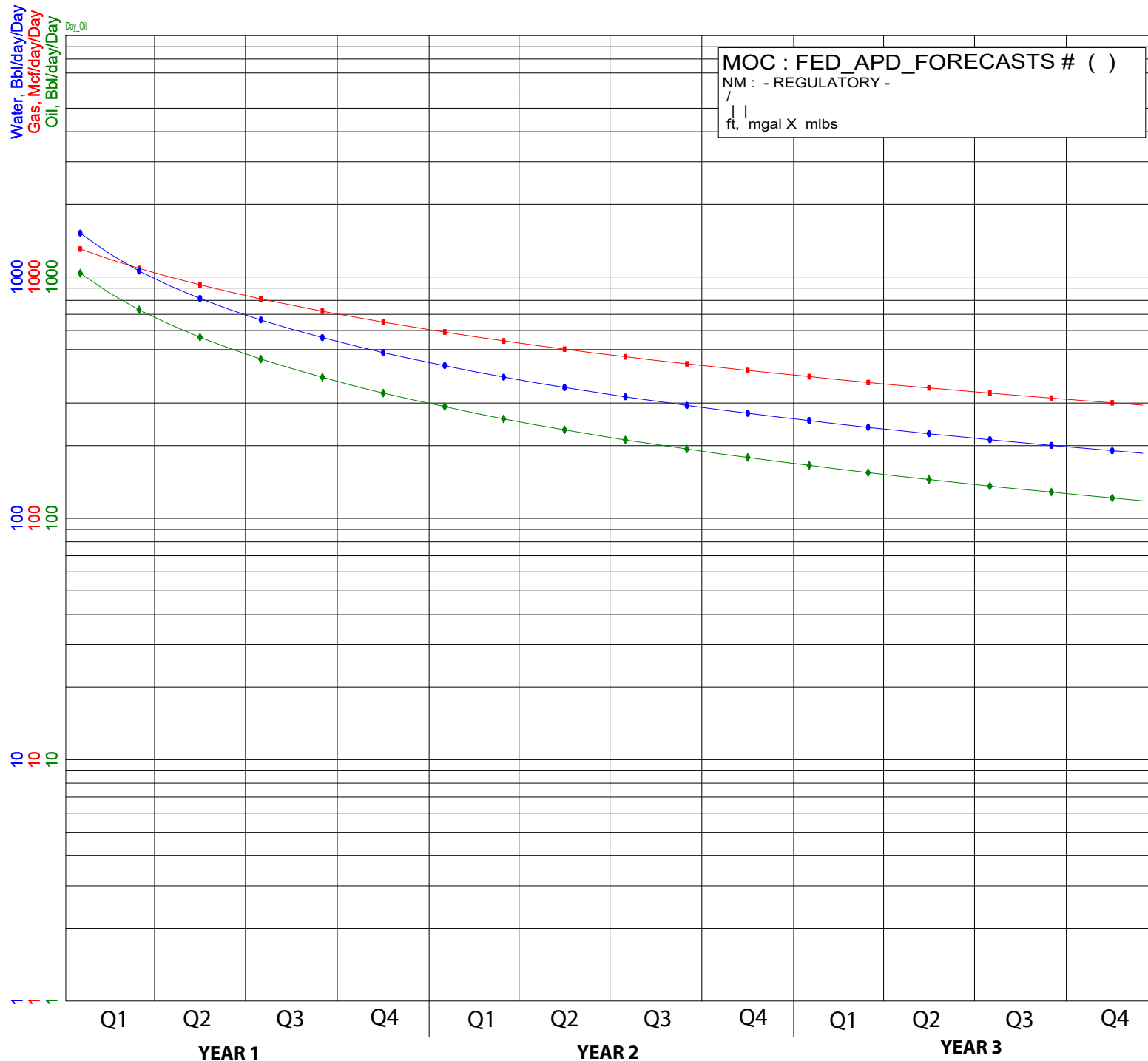
Depth	Mud Wt	Mud Type
0' - 1025'	8.4 - 8.6	Fresh Water
1025' - 2600'	10.0 - 10.2	Brine
2600' - 9348'	8.6 - 9.7	Cut-Brine
9348' - 20172'	10.0 - 12.	OBM

Geology

Formation	Est. Top (TVD)	Mineral Resources	Formation	Est. Top (TVD)	Mineral Resources
Castile			Delaware (Lamar)	4853'	Oil/Natural Gas
Salt Top	1240'	None	Bell Canyon		
Marker Bed 126			Cherry Canyon		
Salt Base	2340'	None	Manzanita Marker		
Yates	2548'	Oil/Natural Gas	Basal Brushy Canyon		
Seven Rivers	3011'	Oil/Natural Gas	Bone Spring	6660'	Oil/Natural Gas
Queen	3643'	Oil/Natural Gas	1st Bone Spring	#N/A	#N/A
Capitan			2nd Bone Spring	#N/A	#N/A
Grayburg	3887'	None	3rd Bone Spring	#N/A	#N/A
San Andres	4296'	Oil/Natural Gas	Wolfcamp	9995'	Oil/Natural Gas

All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172. Must have table for contingency casing.

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



Oil, Bbl/day	◆
Qual=	LEABS2.0
Ref=	1/2025
Cum=	0
Rem=	332092
EUR=	332092
Yrs=	3.000
Qi=	1150.0
b=	0.950000
De=	74.000000
Df=	23.848091
Qab=	116.7
Gas, Mcf/day	■
Qual=	LEABS2.0
Ref=	1/2025
Cum=	0
Rem=	621833
EUR=	621833
Yrs=	3.000
Qi=	1375.0
b=	1.050000
De=	56.000000
Df=	20.240305
Qab=	291.1
Water, Bbl/d	●
Qual=	LEABS2.0
Ref=	1/2025
Cum=	0
Rem=	492387
EUR=	492387
Yrs=	3.000
Qi=	1700.0
b=	1.050000
De=	74.000000
Df=	22.172770
Qab=	183.7

Mewbourne Oil Company, Choctaw Bingo 30/29 Fed Com 627H
Sec 30, T18S, R32E
SHL: 965' FSL 380' FWL (Sec 30)
BHL: 660' FSL 100' FEL (Sec 29)

Well Location GL: 3675'

Point	Calls	Leases	Aliquot	Section	Township	Range	County	Lat	Long	TVD	MD
SHL	SHL: 965' FSL & 380' FWL (Sec 30)	NMNM094192	SWSW	30	18S	32E	Lea	32.7139783	- 103.8131340	0'	0'
KOP	KOP: 660' FSL & 10' FWL (Sec 30)	NMNM094192	SWSW	30	18S	32E	Lea	32.7131422	- 103.8143360	9,334'	9,348'
FTP	FTP: 660' FSL & 100' FWL (Sec 30)	NMNM094192	SWSW	30	18S	32E	Lea	32.7131417	- 103.8140434	9,642'	9,673'
PPP2	PPP2: 660' FSL & 2678' FWL (Sec 30)	NMNM098189	SWSE	30	18S	32E	Lea	32.7131265	- 103.8056638	9,947'	12,342'
PPP3	PPP3: 659' FSL & 0' FWL (Sec 29)	NMNM096855	SWSW	29	18S	32E	Lea	32.7131103	- 103.7970817	9,998'	14,983'
BHL	BHL: 660' FSL & 100' FEL (Sec 29)	NMNM096855	SESE	29	18S	32E	Lea	32.7130768	- 103.7802116	10,099'	20,172'

GEOLOGY

Formation	Est. Top (TVD)	Lithology	Mineral Resources	Formation	Est. Top (TVD)	Lithology	Mineral Resources
Rustler	950'	Dolomite/Anhydrite	Usable Water	Yeso			
Castile				Delaware (Lamar)	4853'	Limestone/Dolomite	Oil/Natural Gas
Salt Top	1240'	Salt	None	Bell Canyon			
Marker Bed 126				Cherry Canyon			
Salt Base	2340'	Salt	None	Manzanita Marker			
Yates	2548'	Sandstone	Oil/Natural Gas	Basal Brushy Canyon			
Seven Rivers	3011'	Dolomite	Oil/Natural Gas	Bone Spring	6660'	Limestone	Oil/Natural Gas
Queen	3643'	Sandstone/Dolomite	Oil/Natural Gas	1st Bone Spring Sand	8054'		
Capitan				2nd Bone Spring Sand	8751'		
Grayburg	3887'			3rd Bone Spring Sand	9587'		
San Andres	4296'	Dolomite	Oil/Natural Gas	Wolfcamp	9995'	Shale/Sandstone/Limestone	Oil/Natural Gas

Casing Program Design A						BLM Minimum Safety Factors		1.125	1.0	1.6 Dry	1.6 Dry
String	Hole Size	Top MD	Top TVD	Bot MD	Bot TVD	Csg. Size	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension	
Surface	17.5"	0'	0'	1025'	1025'	13.375" 48# H40 STC	1.68	3.77	6.54	11.00	1.8 Wet
Intermediate	12.25"	0'	0'	2600'	2600'	9.625" 36# J55 LTC	1.47	2.55	4.84	6.03	1.8 Wet
Production	8.75"	0'	0'	9348'	9334'	7" 26# P110 LTC	1.32	2.11	2.85	3.41	
Production	8.5"	9348'	9334'	20172'	10099'	4.5" 13.5# RYS110 CDC HTQ	1.69	1.97	2.93	2.89	

All casing strings will be tested in accordance with 43 CFR Part 3172. Must have table for contingency casing.

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

Mewbourne Oil Company, Choctaw Bingo 30/29 Fed Com 627H
Sec 30, T18S, R32E
SHL: 965' FSL 380' FWL (Sec 30)
BHL: 660' FSL 100' FEL (Sec 29)

Design A - Cement Program

Csg. Size		# Sacks	Wt., lb/gal	Yield, ft ³ /sack	TOC/BOC	Volume, ft ³	% Excess	Slurry Description
13.375 in	LEAD	550	12.5	2.12	0' - 834'	1170	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	834' - 1025'	268		Class C: Retarder
9.625 in	LEAD	350	12.5	2.12	0' - 1916'	750	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1916' - 2600'	268		Class C: Retarder
7 in - 4.5 in	LEAD	680	12.5	2.12	2400' - 6970'	1450	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	3550	15.6	1.18	6970' - 20172'	4189		Class H: Retarder, Fluid Loss, Defoamer

Pressure Control Equipment

BOP installed and tested before drilling hole, in:	Size, in	System Rated WP	Type	Tested to:	Rating Depth	
12.25	13.375	5M	Annular	X	2500#/3500#	20,172'
		5M	Blind Ram	X	5000#	
			Pipe Ram	X		
			Double Ram			
			Other*			

*Specify if additional ram is utilized.

Equipment: Annular, Pipe Rams, Blind Rams, Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Variance Request: A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for hydrostatic test chart. Anchors are not required by manufacturer. Variance is requested to use a multi bowl wellhead. Variance is requested to perform break testing according to attached procedure. If a breaktesting variance is approved & incorporated, API Standard 53 will be incorporated and testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater, will be performed.

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

Y	Formation integrity test will be performed per 43 CFR Part 3172. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR Part 3172.
N	Mewbourne Oil Company request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack.

Mud Program

Depth (MD)	Mud Wt., lb/gal	Mud Type
0' - 1025'	8.4 - 8.6	Fresh Water
1025' - 2600'	10.0 - 10.2	Brine
2600' - 9348'	8.6 - 9.7	Cut-Brine
9348' - 20172'	10.0 - 12.	OBM

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring
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**Mewbourne Oil Company, Choctaw Bingo 30/29 Fed Com 627H
 Sec 30, T18S, R32E
 SHL: 965' FSL 380' FWL (Sec 30)
 BHL: 660' FSL 100' FEL (Sec 29)**

Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from KOP (9348') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
N	No logs are planned based on well control or offset log information. Offset Well:
N	Coring? If yes, explain:

Open & Cased Hole Logs Run In the Well

<input type="checkbox"/> Caliper	<input type="checkbox"/> Cement Bond Log	<input type="checkbox"/> CNL/FDC
<input type="checkbox"/> Compensated Densilog	<input checked="" type="checkbox"/> Compensated Neutron Log	<input type="checkbox"/> Computer Generated Log
<input type="checkbox"/> Dip Meter Log	<input checked="" type="checkbox"/> Directional Survey	<input type="checkbox"/> Dual Induction/Microresistivity
<input type="checkbox"/> Dual Lateral Log/Microspherically Focused	<input type="checkbox"/> Electric Log	<input type="checkbox"/> Formation Density Compensated Log
<input checked="" type="checkbox"/> Gamma Ray Log	<input checked="" type="checkbox"/> Measurement While Drilling	<input type="checkbox"/> Mud Log/Geological Lithology Log
<input type="checkbox"/> Other	<input type="checkbox"/> Porosity-Resistivity Log	<input type="checkbox"/> Sidewall Neutron Log
<input type="checkbox"/> Sonic Log	<input type="checkbox"/> Spontaneous Potential Log	<input type="checkbox"/> Temperature Log

Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6302 psi
BH Temperature	140
Abnormal Temp, Pressure, or Geologic Hazards	No

Mitigation measure for abnormal conditions. Describe. **Lost circulation material/sweeps/mud scavengers in surface hole. Weighted mud for possible over-pressure in Wolfcamp formation.**

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

	H2S is present
X	H2S Plan attached

Mewbourne Oil Company, Choctaw Bingo 30/29 Fed Com 627H
Sec 30, T18S, R32E
SHL: 965' FSL 380' FWL (Sec 30)
BHL: 660' FSL 100' FEL (Sec 29)

Other facets of operation

Mewbourne Oil Company also requests approval to implement additional designs as described below &/or in other attachments. BLM will be notified of elected design.

Offline Cementing Variance: Variance is requested to perform offline cementing according to the attached procedure. **R-111Q:** Mewbourne proposes performing Open Hole Cementing per R-111Q Guidelines if well is in Potash.

Casing Program Design B						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry	1.6 Dry
String	Hole Size	Top MD	Top TVD	Bot MD	Bot TVD	Csg. Size	SF Collapse	SF Burst	1.8 Wet	1.8 Wet
Surface	17.5"	0'	0'	1025'	1025'	13.375" 48# H40 STC	1.68	3.77	6.54	11.00
Intermediate	12.25"	0'	0'	2600'	2600'	9.625" 36# J55 LTC	1.47	2.55	4.84	6.03
Production	8.75"	0'	0'	9348'	9334'	7" 26# P110 LTC	1.32	2.11	2.85	3.41
Liner	6.125"	9148'	9141'	20172'	10099'	4.5" 13.5# P110 LTC	1.69	1.97	2.27	2.84

All casing strings will be tested in accordance with 43 CFR Part 3172. Must have table for contingency casing.

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

Design B - Cement Program

Csg. Size		# Sacks	Wt., lb/gal	Yield, ft ³ /sack	TOC/BOC	Volume, ft ³	% Excess	Slurry Description
13.375 in	LEAD	550	12.5	2.12	0' - 834'	1170	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	834' - 1025'	268		Class C: Retarder
9.625 in	LEAD	350	12.5	2.12	0' - 1916'	750	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1916' - 2600'	268		Class C: Retarder
1st Stg 7 in	LEAD	570	12.5	2.12	2400' - 7071'	1210	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	500	15.6	1.18	7071' - 9348'	590		Class H: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	700	13.5	1.85	9148' - 20172'	1300	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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: Mewbourne Oil Co. **OGRID:** 14744 **Date:** 2/11/25

II. Type: Original Amendment due to 19.15.27.9.D(6)(a) NMAC 19.15.27.9.D(6)(b) NMAC Other.

If Other, please describe: _____

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	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
CHOCTAW BINGO 30/29 FED COM 627H	627H	M 30 18S 32E	965' FSL x 380' FWL	2000	1500	1500
				Y1-500 Y2-300 Y3-200	Y1-300 Y2-200 Y3-150	Y1-300 Y2-200 Y3-150

IV. Central Delivery Point Name: CHOCTAW BINGO 30/29 FED COM 627H [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 proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
CHOCTAW BINGO 30/29 FED COM 627H	627H	3/11/25	4/11/25	5/11/25	5/26/25	5/31/25

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational 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	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

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 gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system will will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator does 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 attaches 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, no 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 an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an 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.

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I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true 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:	<i>Bradley Bishop</i>
Printed Name:	BRADLEY BISHOP
Title:	REGULATORY MANAGER
E-mail Address:	BBISHOP@MEWBOURNE.COM
Date:	2/11/25
Phone:	575-393-5905
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

Mewbourne Oil Company

Natural Gas Management Plan – Attachment

- VI. Separation equipment will be sized by construction engineering staff based on stated manufacturer daily throughput capacities and anticipated daily production rates to ensure adequate capacity. Closed vent system piping, compression needs, and VRUs will be sized utilizing ProMax modelling software to ensure adequate capacity for anticipated production volumes and conditions.
- VII. Mewbourne Oil Company (MOC) will take following actions to comply with the regulations listed in 19.15.27.8 :
- A. MOC will maximize the recovery of natural gas by minimizing the waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. MOC will ensure that well(s) will be connected to a natural gas gathering system with sufficient capacity to transport natural gas. If there is no adequate takeaway for the gas, well(s) will be shut in until the natural gas gathering system is available.
 - B. All drilling operations will be equipped with a rig flare located at least 100 ft from the nearest surface hole. Rig flare will be utilized to combust any natural gas that is brought to surface during normal drilling operations. In the case of emergency venting or flaring the volumes will be estimated and reported appropriately.
 - C. During completion operations any natural gas brought to surface will be flared. Immediately following the finish of completion operations, all well flow will be directed to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. It is not anticipated that gas will not meet pipeline standards. However, if natural gas does not meet gathering pipeline quality specifications, MOC will flare the natural gas for 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner. MOC will ensure that the flare is sized properly and is equipped with automatic igniter or continuous pilot. The gas sample will analyzed twice per week and the gas will be routed into a gathering system as soon as pipeline specifications are met.
 - D. Natural gas will not be flared with the exceptions and provisions listed in the 19.15.27.8 D.(1) through (4). If there is no adequate takeaway for the separator gas, well(s) will be shut in until the natural gas gathering system is available with exception of emergency or malfunction situations. Venting and/or flaring volumes will be estimated and reported appropriately.
 - E. MOC will comply with the performance standards requirements and provisions listed in 19.15.27.8 E.(1) through (8). All equipment will be designed and sized to handle maximum anticipated pressures and throughputs in order to minimize the waste. Production storage tanks constructed after May 25, 2021 will be equipped with automatic gauging system. Flares constructed after May 25, 2021 will be equipped with automatic igniter or continuous pilot. Flares will be located at least 100' from the well and storage tanks unless otherwise approved by the division. MOC will conduct AVO inspections as described in 19.15.27.8 E (5) (a) with frequencies specified in 19.15.27.8 E (5) (b) and (c). All emergencies will be resolved as quickly and safely as feasible to minimize waste.
 - F. The volume of natural gas that is vented or flared as the result of malfunction or emergency during drilling and completions operations will be estimated. The volume of natural gas that is vented, flared or beneficially used during production operations, will be measured or estimated. MOC will install equipment to measure

the volume of natural gas flared from existing process piping or a flowline piped from equipment such as high pressure separators, heater treaters, or vapor recovery units associated with a well or facility associated with a well authorized by an APD issued after May 25, 2021 that has an average daily production greater than 60 Mcf/day. If metering is not practicable due to circumstances such as low flow rate or low pressure venting and flaring, MOC will estimate the volume of vented or flared natural gas. Measuring equipment will conform to industry standards and will not be designed or equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

- VIII. For maintenance activities involving production equipment and compression, venting will be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production and compression equipment the associated producing wells will be shut in to eliminate venting. For maintenance of VRUs all gas normally routed to the VRU will be routed to flare to eliminate venting.

Mewbourne Oil Company, Choctaw Bingo 30/29 Fed Com 627H
Sec 30, T18S, R32E
SHL: 965' FSL 380' FWL (Sec 30)
BHL: 660' FSL 100' FEL (Sec 29)

Casing Program Design A						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry	1.6 Dry
									1.8 Wet	1.8 Wet
String	Hole Size	Top MD	Top TVD	Bot MD	Bot TVD	Csg. Size	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	1025'	1025'	13.375" 48# H40 STC	1.68	3.77	6.54	11.00
Intermediate	12.25"	0'	0'	2600'	2600'	9.625" 36# J55 LTC	1.47	2.55	4.84	6.03
Production	8.75"	0'	0'	9348'	9334'	7" 26# P110 LTC	1.32	2.11	2.85	3.41
Production	8.5"	9348'	9334'	20172'	10099'	4.5" 13.5# RYS110 CDC HTQ	1.69	1.97	2.93	2.89

Cement Program

Casing		# Sacks	Wt. lb/gal	Yield ft ³ /sack	TOC/BOC	Volume ft ³	% Excess	Slurry Description
13.375 in	LEAD	550	12.5	2.12	0' - 834'	1170	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	834' - 1025'	268		Class C: Retarder
9.625 in	LEAD	350	12.5	2.12	0' - 1916'	750	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1916' - 2600'	268		Class C: Retarder
7 in - 4.5 in	LEAD	680	12.5	2.12	2400' - 6970'	1450	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	3550	15.6	1.18	6970' - 20172'	4189		Class H: Retarder, Fluid Loss, Defoamer

Design A - Mud Program

Depth	Mud Wt	Mud Type
0' - 1025'	8.4 - 8.6	Fresh Water
1025' - 2600'	10.0 - 10.2	Brine
2600' - 9348'	8.6 - 9.7	Cut-Brine
9348' - 20172'	10.0 - 12.	OBM

Geology

Formation	Est. Top (TVD)	Mineral Resources	Formation	Est. Top (TVD)	Mineral Resources
Castile			Delaware (Lamar)	4853'	Oil/Natural Gas
Salt Top	1240'	None	Bell Canyon		
Marker Bed 126			Cherry Canyon		
Salt Base	2340'	None	Manzanita Marker		
Yates	2548'	Oil/Natural Gas	Basal Brushy Canyon		
Seven Rivers	3011'	Oil/Natural Gas	Bone Spring	6660'	Oil/Natural Gas
Queen	3643'	Oil/Natural Gas	1st Bone Spring Sand	8054'	Oil/Natural Gas
Capitan			2nd Bone Spring Sand	8751'	Oil/Natural Gas
Grayburg	3887'	None	3rd Bone Spring Sand	9587'	Oil/Natural Gas
San Andres	4296'	Oil/Natural Gas	Wolfcamp	9995'	Oil/Natural Gas

All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172. Must have table for contingency casing.

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

Mewbourne Oil Company, Choctaw Bingo 30/29 Fed Com 627H
Sec 30, T18S, R32E
SHL: 965' FSL 380' FWL (Sec 30)
BHL: 660' FSL 100' FEL (Sec 29)

Casing Program Design B						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
String	Hole Size	Top MD	Top TVD	Bot MD	Bot TVD	Csg. Size	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	1025'	1025'	13.375" 48# H40 STC	1.68	3.77	6.54	11.00
Intermediate	12.25"	0'	0'	2600'	2600'	9.625" 36# J55 LTC	1.47	2.55	4.84	6.03
Production	8.75"	0'	0'	9348'	9334'	7" 26# P110 LTC	1.32	2.11	2.85	3.41
Liner	6.125"	9148'	9141'	20172'	10099'	4.5" 13.5# P110 LTC	1.69	1.97	2.27	2.84

Design B - Cement Program

Casing		# Sacks	Wt. lb/gal	Yield ft ³ /sack	TOC/BOC	Volume ft ³	% Excess	Slurry Description
13.375 in	LEAD	550	12.5	2.12	0' - 834'	1170	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	834' - 1025'	268		Class C: Retarder
9.625 in	LEAD	350	12.5	2.12	0' - 1916'	750	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1916' - 2600'	268		Class C: Retarder
1st Stg 7 in	LEAD	570	12.5	2.12	2400' - 7071'	1210	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	500	15.6	1.18	7071' - 9348'	590		Class H: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	700	13.5	1.85	9148' - 20172'	1300	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-

Design B - Mud Program

Depth	Mud Wt	Mud Type
0' - 1025'	8.4 - 8.6	Fresh Water
1025' - 2600'	10.0 - 10.2	Brine
2600' - 9348'	8.6 - 9.7	Cut-Brine
9348' - 20172'	10.0 - 12.	OBM

Geology

Formation	Est. Top (TVD)	Mineral Resources	Formation	Est. Top (TVD)	Mineral Resources
Castile			Delaware (Lamar)	4853'	Oil/Natural Gas
Salt Top	1240'	None	Bell Canyon		
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Salt Base	2340'	None	Manzanita Marker		
Yates	2548'	Oil/Natural Gas	Basal Brushy Canyon		
Seven Rivers	3011'	Oil/Natural Gas	Bone Spring	6660'	Oil/Natural Gas
Queen	3643'	Oil/Natural Gas	1st Bone Spring	#N/A	#N/A
Capitan			2nd Bone Spring	#N/A	#N/A
Grayburg	3887'	None	3rd Bone Spring	#N/A	#N/A
San Andres	4296'	Oil/Natural Gas	Wolfcamp	9995'	Oil/Natural Gas

All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172. Must have table for contingency casing.

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



Mewbourne Oil Co.

BOP Break Testing Variance

Mewbourne Oil Company requests a variance from the minimum standards for well control equipment testing of 43 CFR 3172 to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with batch drilling & offline cementing operations. Modern rig upgrades which facilitate pad drilling allow the BOP stack to be moved between wells on a multi-well pad without breaking any BOP stack components apart. Widespread use of these technologies has led to break testing BOPE being endorsed as safe and reliable. American Petroleum Institute (API) best practices are frequently used by regulators to develop their regulations. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (5th Ed., Dec. 2018) Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component."

Procedures

1. Full BOPE test at first installation on the pad.
 - Full BOPE test at least every 21 days.
 - Function test BOP elements per 43 CFR 3172.
 - Contact the BLM if a well control event occurs.
2. After the well section is secured and the well is confirmed to be static, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad. Two breaks on the BOPE will be made (Fig. 1).
 - Connection between the flex line and the HCR valve
 - Connection between the wellhead and the BOP quick connect (Fig. 5 & 6).
3. A capping flange will be installed after cementing per wellhead vendor procedure & casing pressure will be monitored via wellhead valve.
4. The BOP will be removed and carried by a hydraulic carrier (Fig. 3 & 4).
5. The rig will then walk to the next well.
6. Confirm that the well is static and remove the capping flange.
7. The connection between the flex line and HCR valve and the connection between the wellhead and the BOP quick connect will be reconnected.
8. Install a test plug into the wellhead.
9. A test will then be conducted against the upper pipe rams and choke, testing both breaks (Fig. 1 & 2).
10. The test will be held at 250 psi low and to the high value submitted in the APD, not to exceed 5000 psi.
11. The annular, blind rams and lower pipe rams will then be function tested.
12. If a pad consists of three or more wells, steps 4 through 11 will be repeated.



13. A break test will only be conducted if the intermediate section can be drilled and cased within 21 days of the last full BOPE test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool and/or cement head
- Capping flange after cementing

Summary

A variance is requested to only test broken pressure seals on the BOPE when moving between wells on a multi-well pad if the following conditions are met:

- A full BOPE test is conducted on the first well on the pad. API Standard 53 requires testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater.
- If the first well on the pad is not the well with the deepest intermediate section, a full BOPE test will also be performed when moving to a deeper well.
- The hole section being drilled has a MASP under 5000 psi.
- If a well control event occurs, Mewbourne will contact BLM for permission to continue break testing.
- If significant (>50%) losses occur, full BOPE testing will be required going forward.
- Full BOPE test will be required prior to drilling the production hole.

While walking the rig, the BOP stack will be secured via hydraulic winch or hydraulic carrier. A full BOPE test will be performed at least every 21 days.

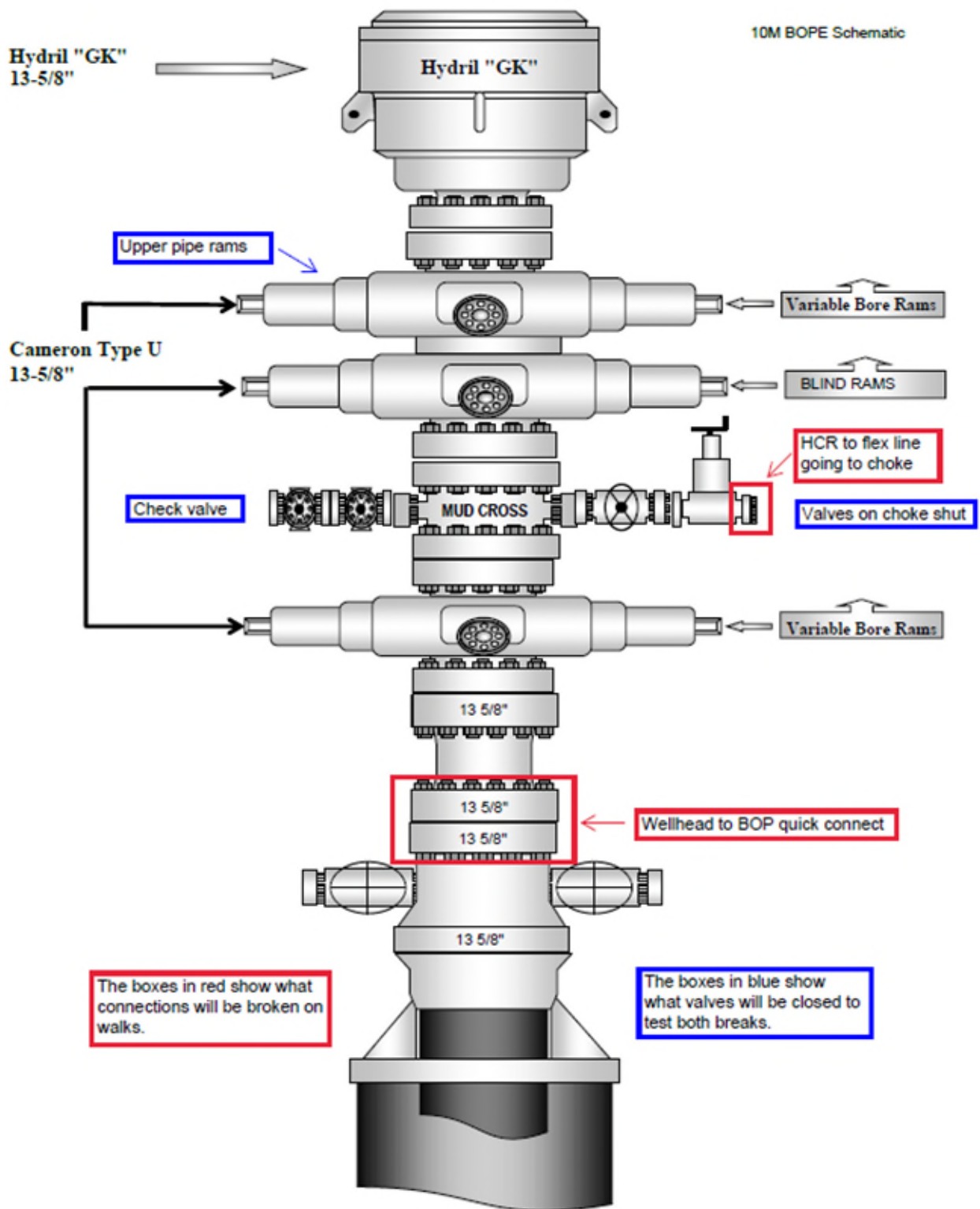
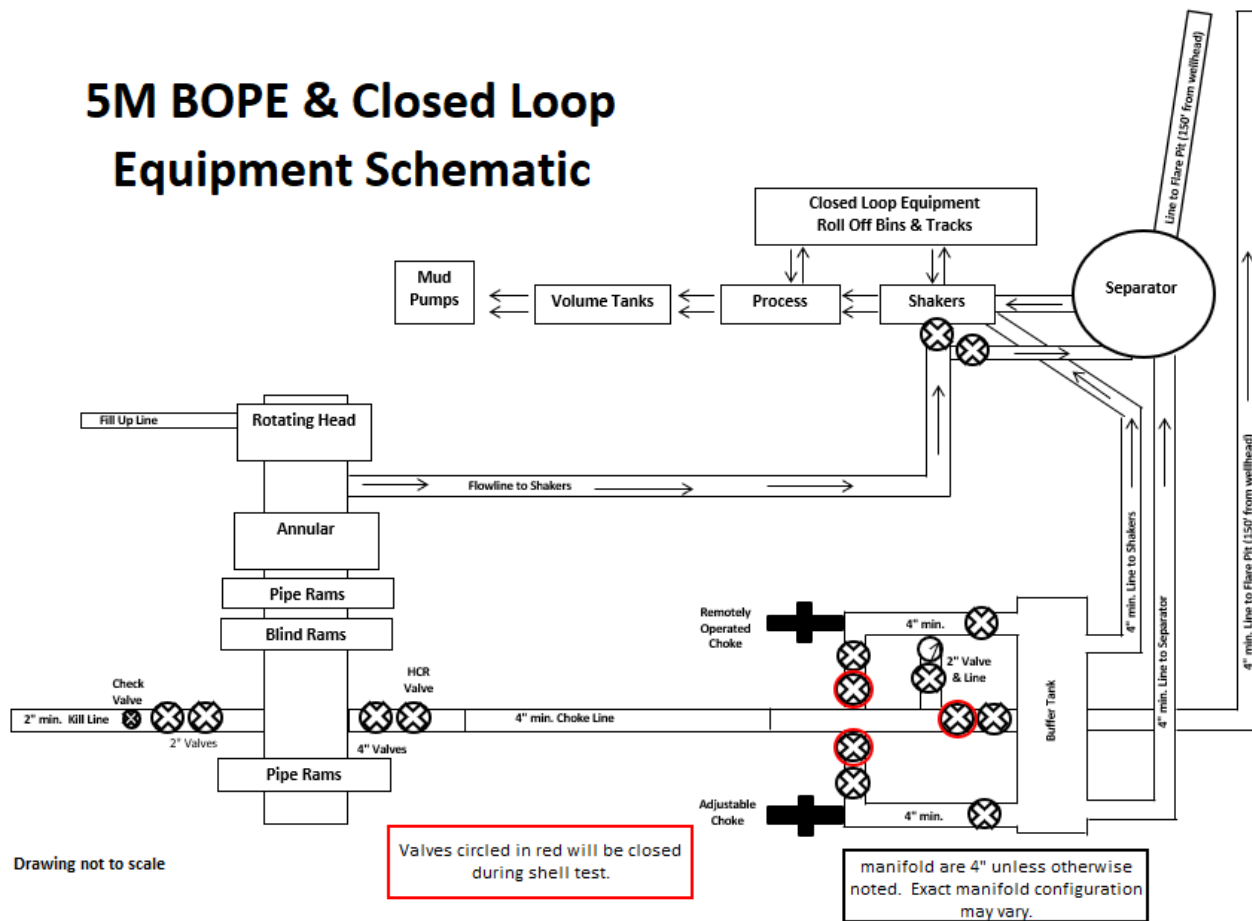


Figure 1. BOP diagram



5M BOPE & Closed Loop Equipment Schematic



Drawing not to scale

Figure 2. BOPE diagram

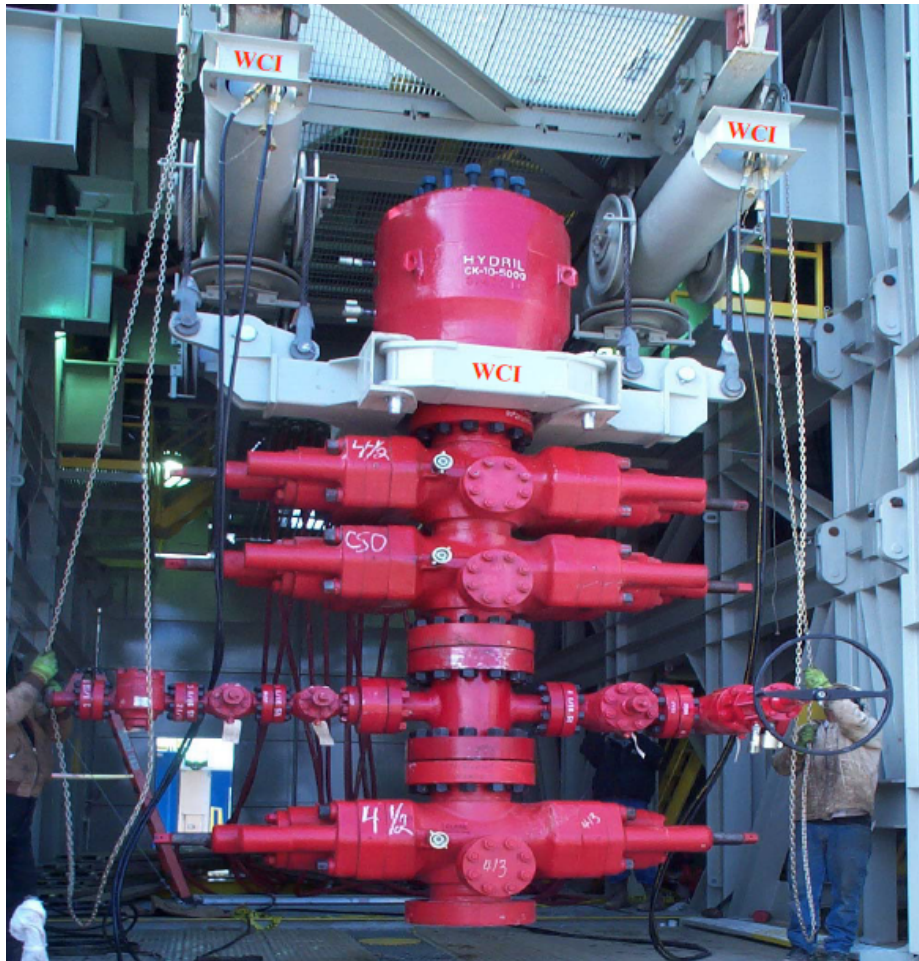


Figure 3. BOP handling system



Figure 4. BOP handling system

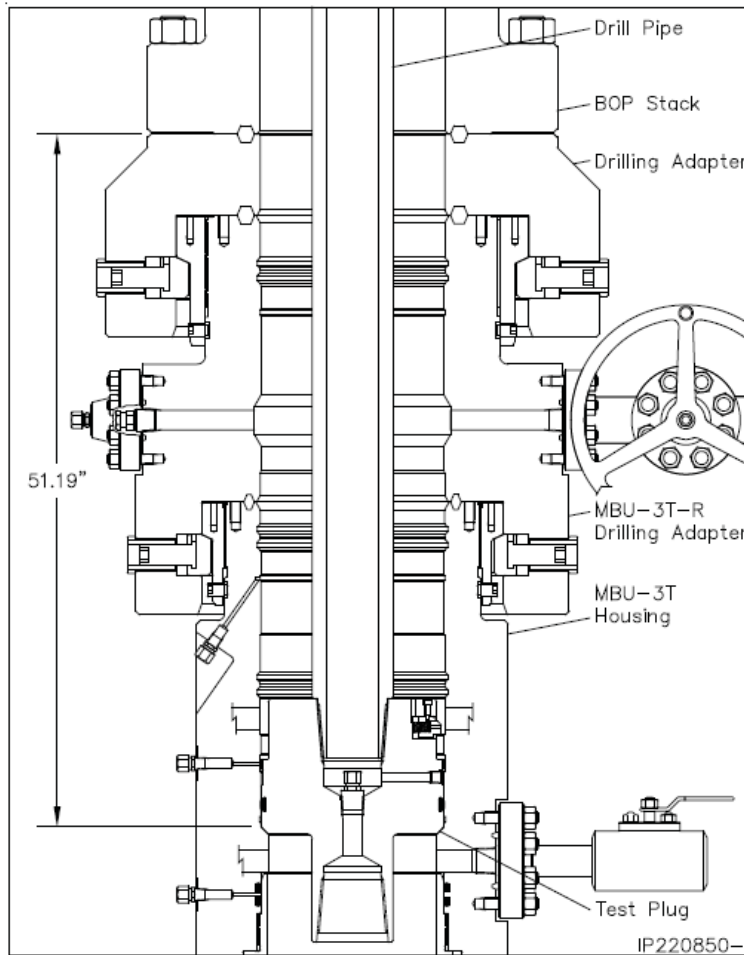


Figure 5. Cactus 5M wellhead with BOP quick connect

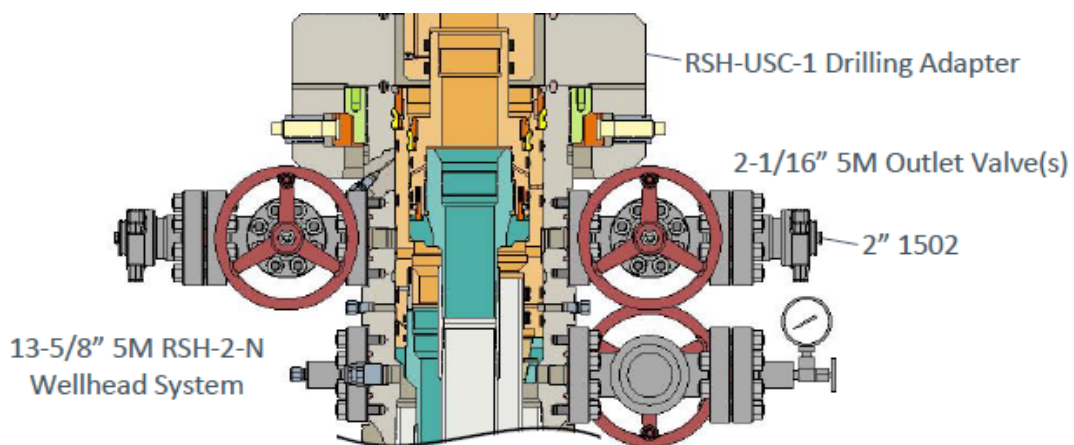


Figure 6. Vault 5M wellhead with BOP quick connect



Mewbourne Oil Co.

Surface & Intermediate Offline Cementing Variance

Mewbourne Oil Company requests a variance to perform offline cementing for surface and intermediate casing strings with the following conditions:

- Offline cementing will not be performed on production casing.
- Offline cementing will not be performed on a hole section with MASP > 5000 psi.
- Offline cementing will not be performed concurrently with offset drilling.

Surface Casing Order of Operations:

1. Run 13 3/8" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static.
4. Make up 13 5/8" wellhead or wellhead landing ring assembly and land on 20" conductor.
5. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint.
8. Walk rig to next well on pad with cement crew standing by to rig up.
9. Make up offline cement tool with forklift per wellhead manufacturer (Fig. 1 & 2).
10. Make up cement head on top of offline cement tool with forklift.
11. Commence cement operations.
12. If cement circulates, confirm well is static and proceed to step 16.
13. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
14. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
15. Confirm well is static.
16. Once cement job is complete, the cement head and offline cementing tool are removed. The wellhead technician returns to cellar to install wellhead/valves.
17. Install wellhead capping flange.

Barriers

Before Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus



After Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing

20" Surface Casing Order of Operations (4 string area):

1. Run 20" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
4. Confirm well is static.
5. Back out landing joint and pull to rig floor. Lay down landing joint.
6. Make up cement head.
7. Walk rig to next well on pad with cement crew standing by to rig up.
8. Commence cement operations.
9. If cement circulates, confirm well is static and proceed to step 13.
10. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
11. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
12. Confirm well is static.
13. Once cement job is complete, remove cement head and install cap.

Barriers

Before Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement Head

After Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement head
- Capping flange after cementing



Intermediate Casing Order of Operations:

1. Run casing as per normal operations (float shoe and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static (if running SBM).
4. Land casing.
5. Fill pipe, circulate casing capacity and confirm floats are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint. Install packoff & test.
8. Nipple down BOP.
9. Walk rig to next well on pad with cement crew standing by to rig up.
10. Make up offline cement tool using forklift per wellhead manufacturer (Fig. 3 - 8).
11. Make up cement head on top of offline cement tool.
12. Commence cement operations.
13. If cement circulates, confirm well is static and proceed to step 16.
14. If cement does not circulate (when required), notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
15. Pump remedial cement job if required.
16. Confirm well is static.
17. Remove cement head and offline cementing tool.
18. Install wellhead capping flange and test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing



Risks:

- Pressure build up in annulus before cementing
 - Contact BLM if a well control event occurs.
 - Rig up 3rd party pump or rig pumps to pump down casing and kill well.
 - Returns will be taken through the wellhead valves to a choke manifold (Fig 9 & 10).
 - Well could also be killed through the wellhead valves down the annulus.

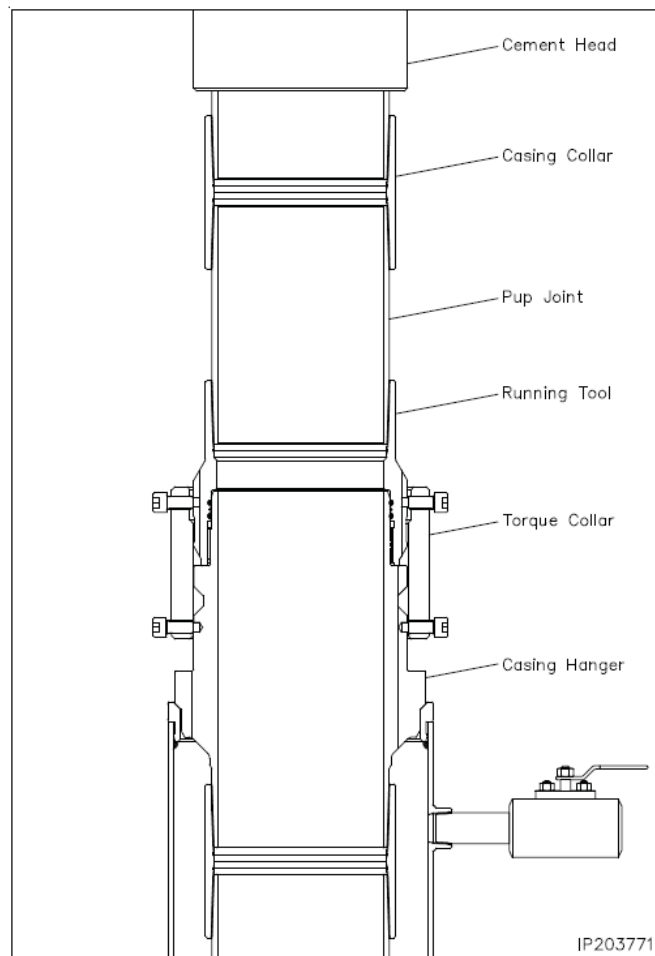


Figure 1. Cactus 13 3/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8" pup joint and casing.

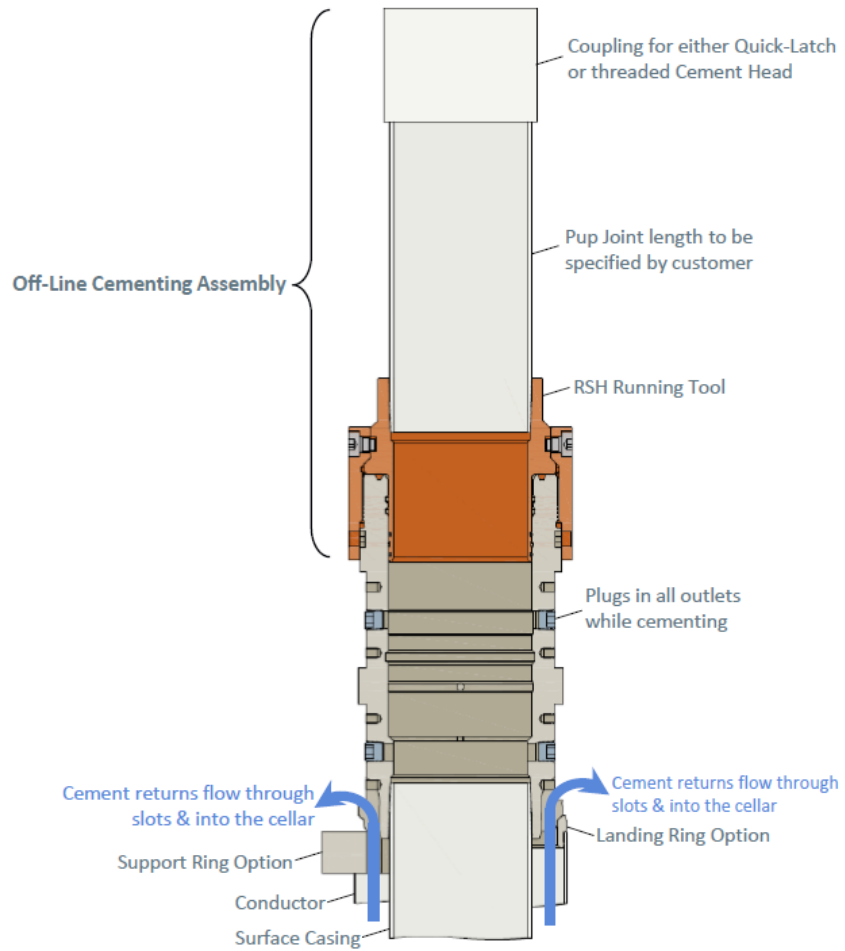


Figure 2. Vault 13 3/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8" pup joint and casing.

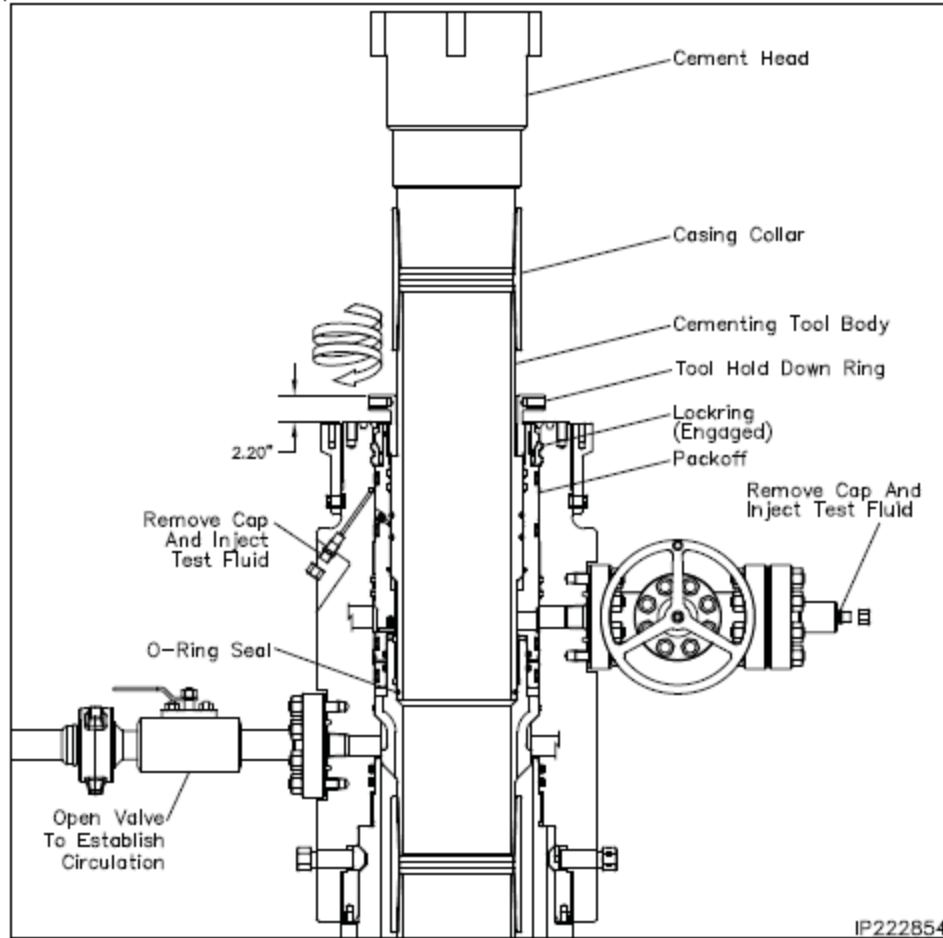


Figure 3. Cactus 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

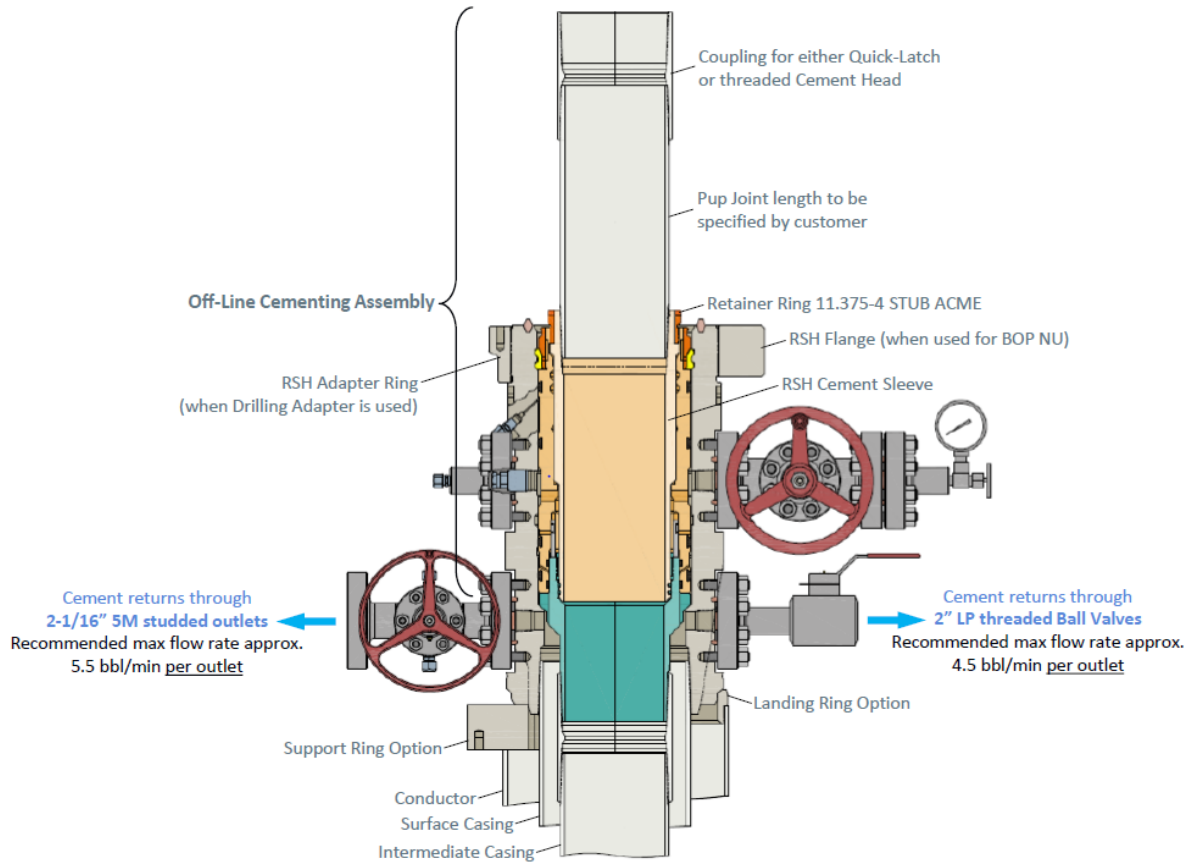


Figure 4. Vault 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

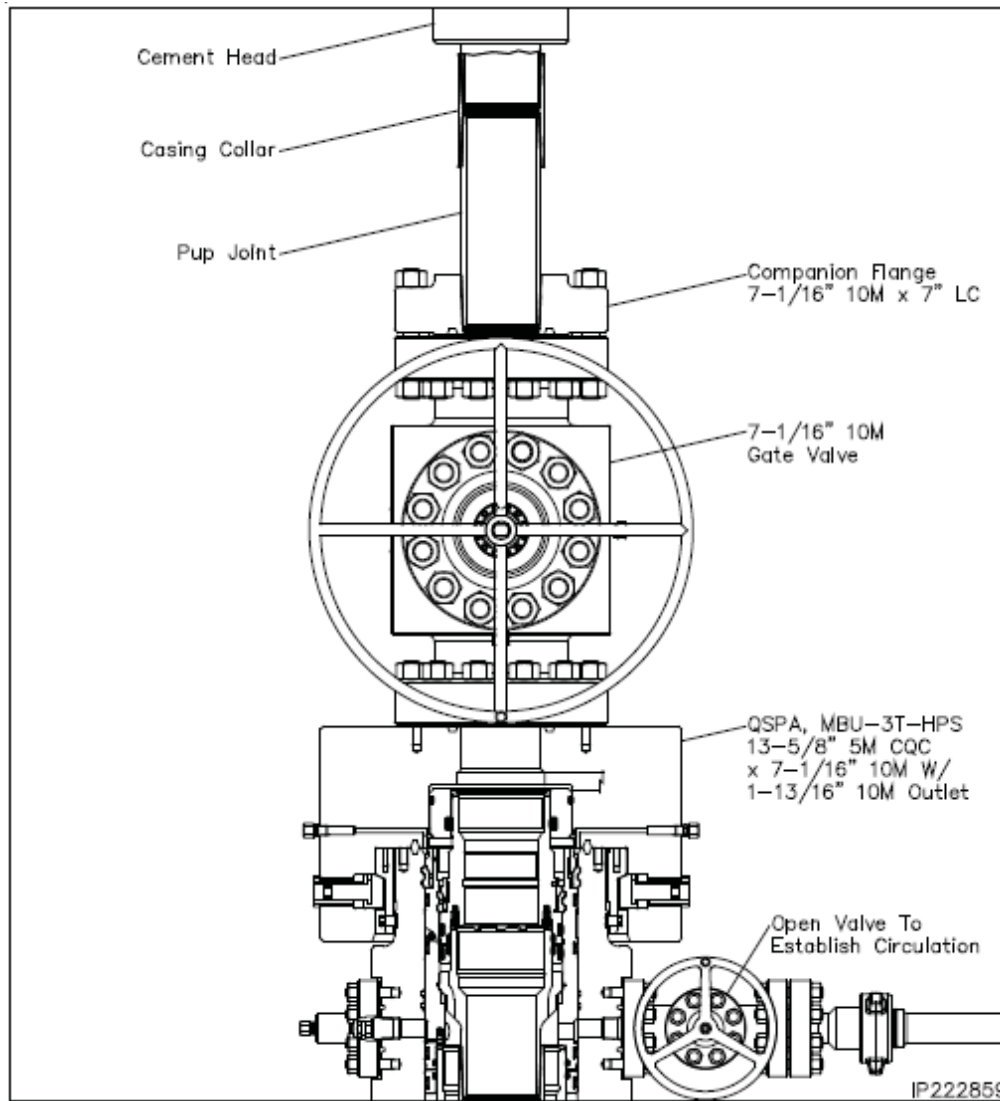


Figure 5. Cactus 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

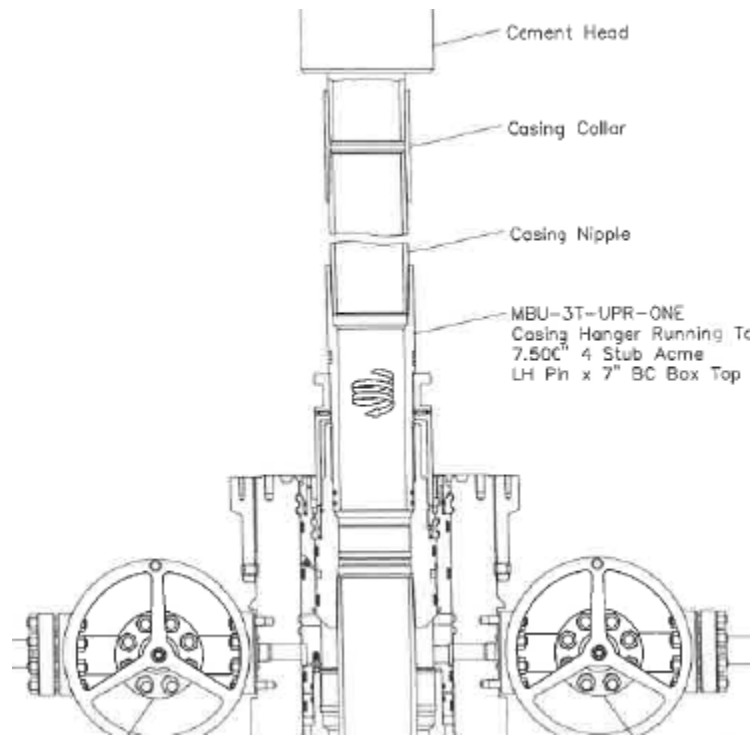


Figure 6. Cactus 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

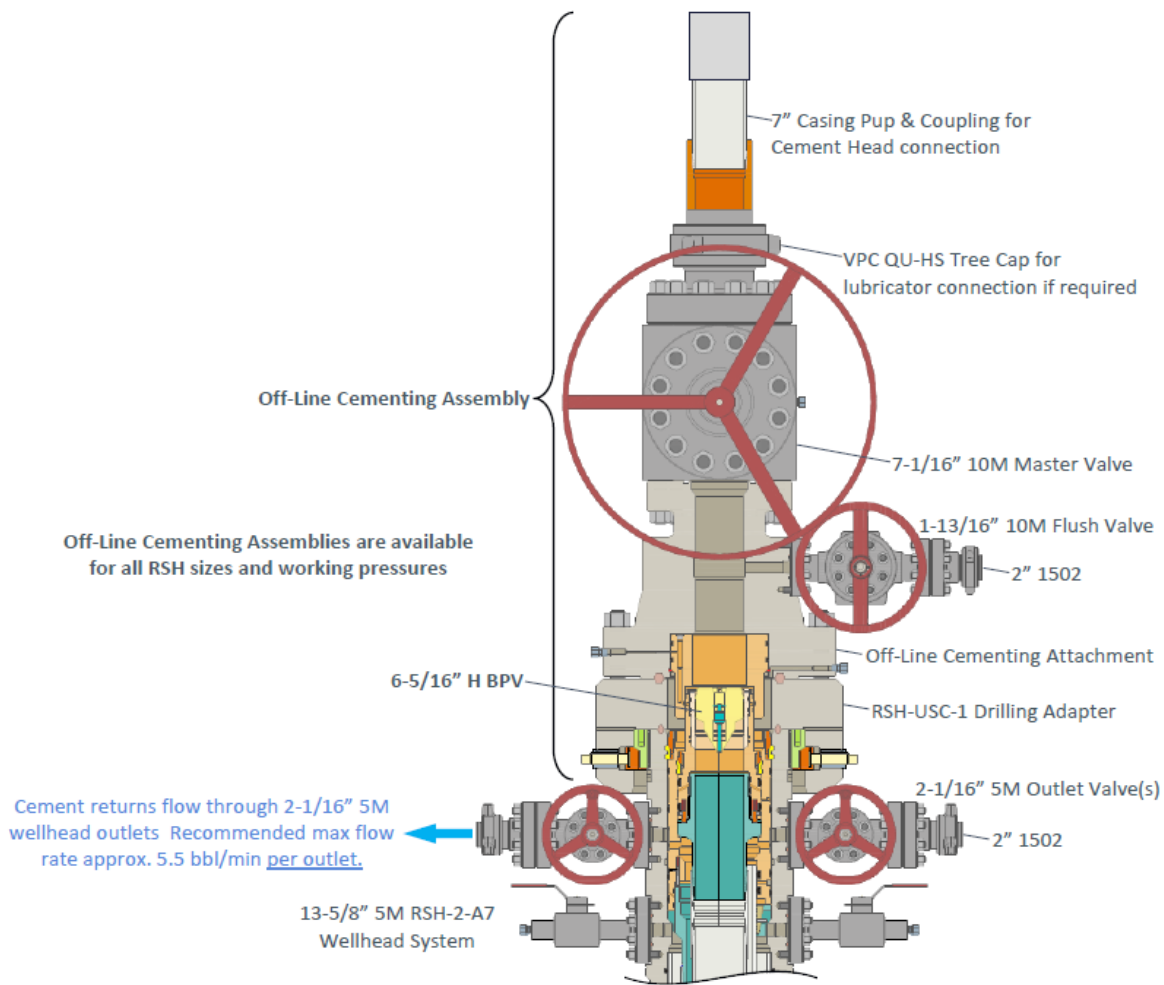


Figure 7. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

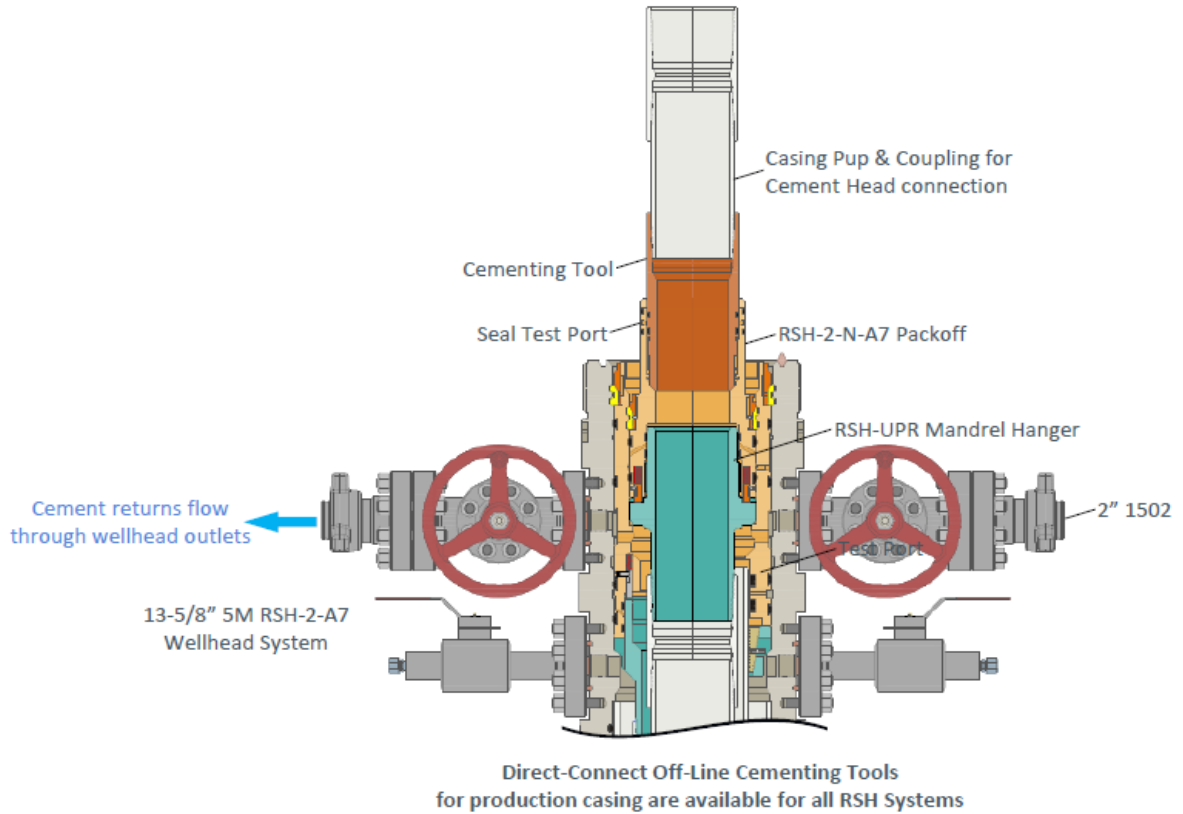


Figure 8. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

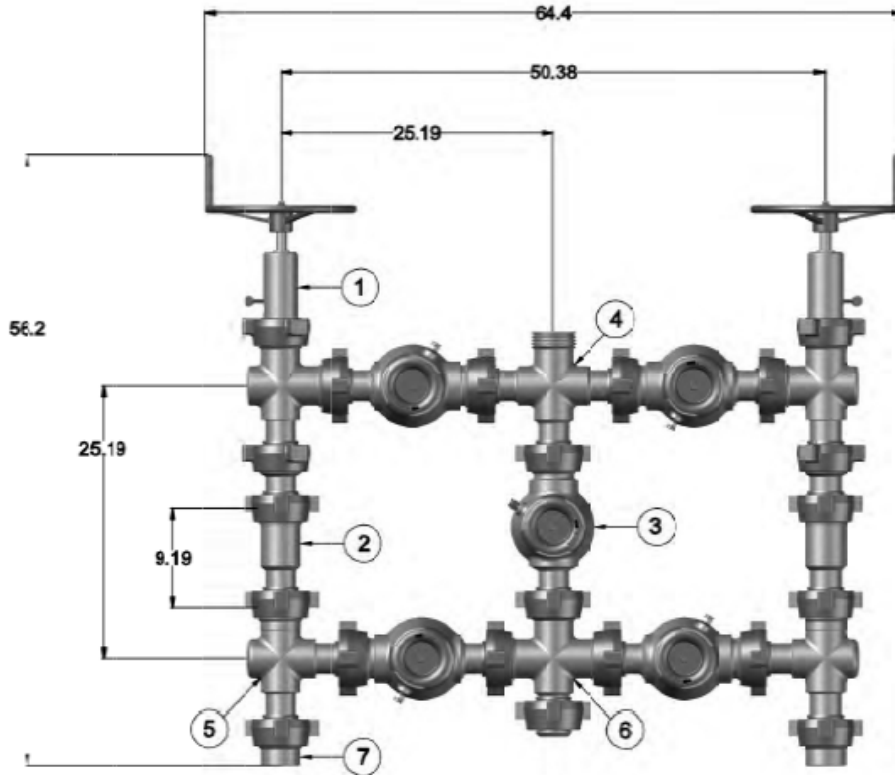


Figure 9. Five valve 15k choke manifold.

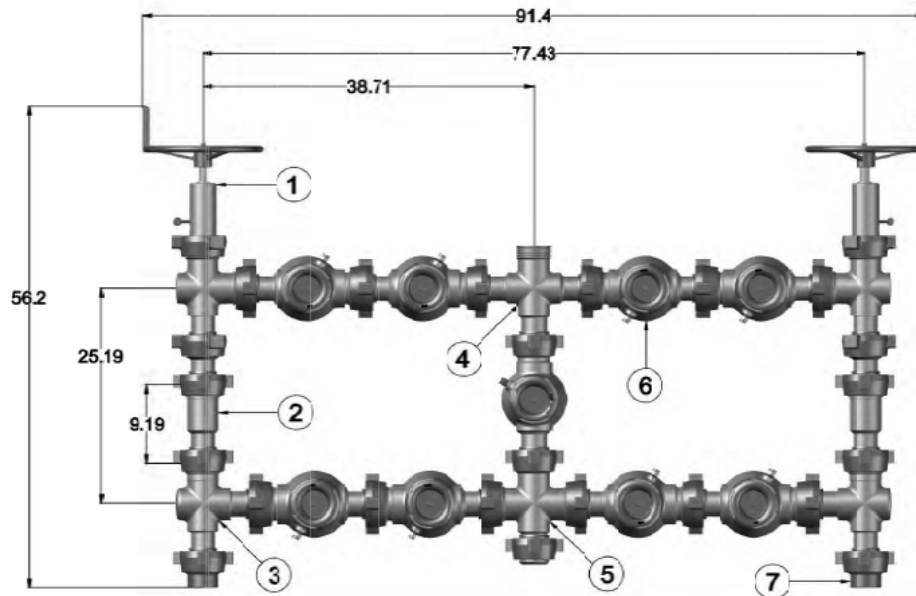


Figure 10. Nine valve 15k choke manifold.



Mewbourne Oil Co.

BOP Break Testing Variance

Mewbourne Oil Company requests a variance from the minimum standards for well control equipment testing of 43 CFR 3172 to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with batch drilling & offline cementing operations. Modern rig upgrades which facilitate pad drilling allow the BOP stack to be moved between wells on a multi-well pad without breaking any BOP stack components apart. Widespread use of these technologies has led to break testing BOPE being endorsed as safe and reliable. American Petroleum Institute (API) best practices are frequently used by regulators to develop their regulations. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (5th Ed., Dec. 2018) Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component."

Procedures

1. Full BOPE test at first installation on the pad.
 - Full BOPE test at least every 21 days.
 - Function test BOP elements per 43 CFR 3172.
 - Contact the BLM if a well control event occurs.
2. After the well section is secured and the well is confirmed to be static, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad. Two breaks on the BOPE will be made (Fig. 1).
 - Connection between the flex line and the HCR valve
 - Connection between the wellhead and the BOP quick connect (Fig. 5 & 6).
3. A capping flange will be installed after cementing per wellhead vendor procedure & casing pressure will be monitored via wellhead valve.
4. The BOP will be removed and carried by a hydraulic carrier (Fig. 3 & 4).
5. The rig will then walk to the next well.
6. Confirm that the well is static and remove the capping flange.
7. The connection between the flex line and HCR valve and the connection between the wellhead and the BOP quick connect will be reconnected.
8. Install a test plug into the wellhead.
9. A test will then be conducted against the upper pipe rams and choke, testing both breaks (Fig. 1 & 2).
10. The test will be held at 250 psi low and to the high value submitted in the APD, not to exceed 5000 psi.
11. The annular, blind rams and lower pipe rams will then be function tested.
12. If a pad consists of three or more wells, steps 4 through 11 will be repeated.



13. A break test will only be conducted if the intermediate section can be drilled and cased within 21 days of the last full BOPE test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool and/or cement head
- Capping flange after cementing

Summary

A variance is requested to only test broken pressure seals on the BOPE when moving between wells on a multi-well pad if the following conditions are met:

- A full BOPE test is conducted on the first well on the pad. API Standard 53 requires testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater.
- If the first well on the pad is not the well with the deepest intermediate section, a full BOPE test will also be performed when moving to a deeper well.
- The hole section being drilled has a MASP under 5000 psi.
- If a well control event occurs, Mewbourne will contact BLM for permission to continue break testing.
- If significant (>50%) losses occur, full BOPE testing will be required going forward.
- Full BOPE test will be required prior to drilling the production hole.

While walking the rig, the BOP stack will be secured via hydraulic winch or hydraulic carrier. A full BOPE test will be performed at least every 21 days.

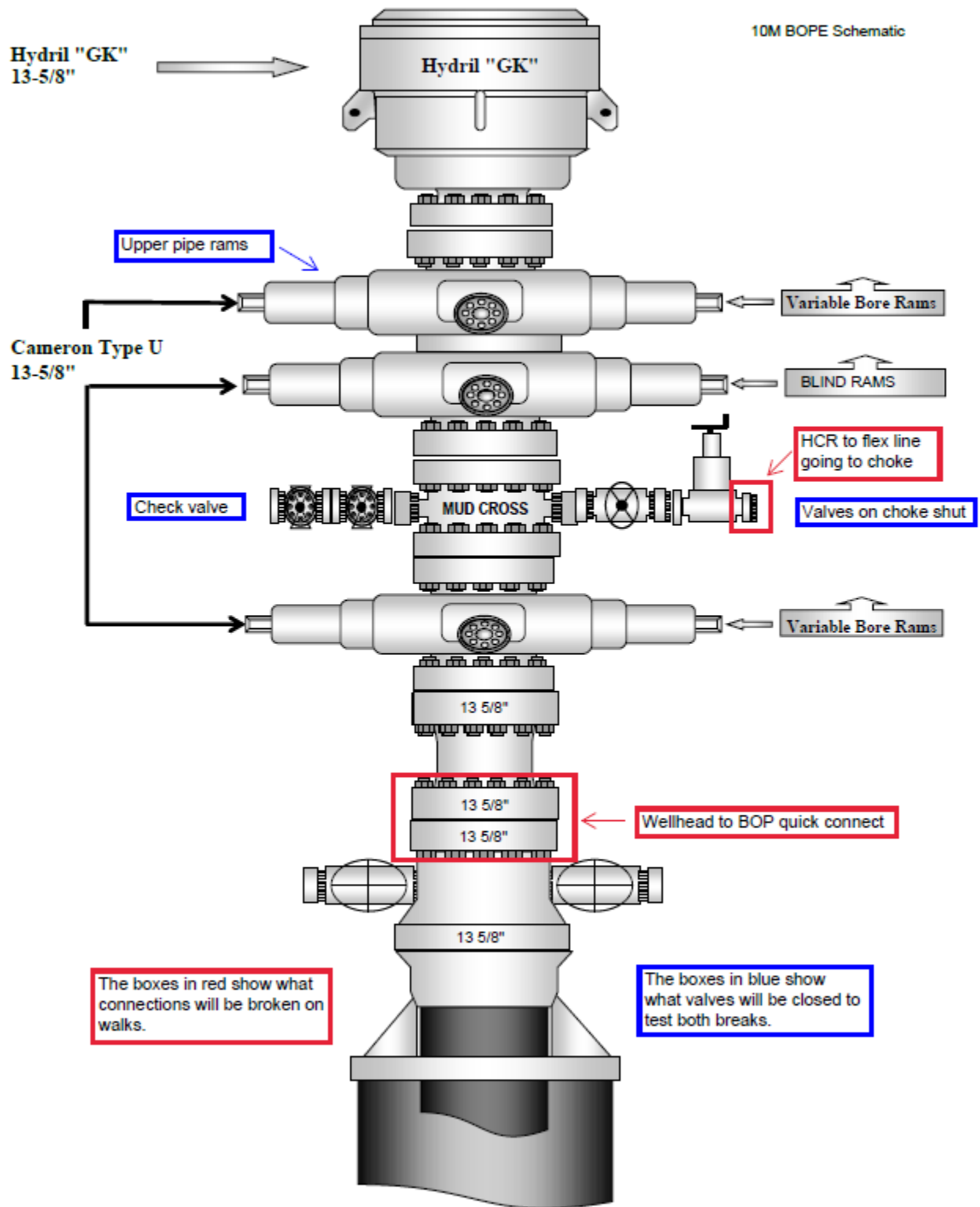


Figure 1. BOP diagram



5M BOPE & Closed Loop Equipment Schematic

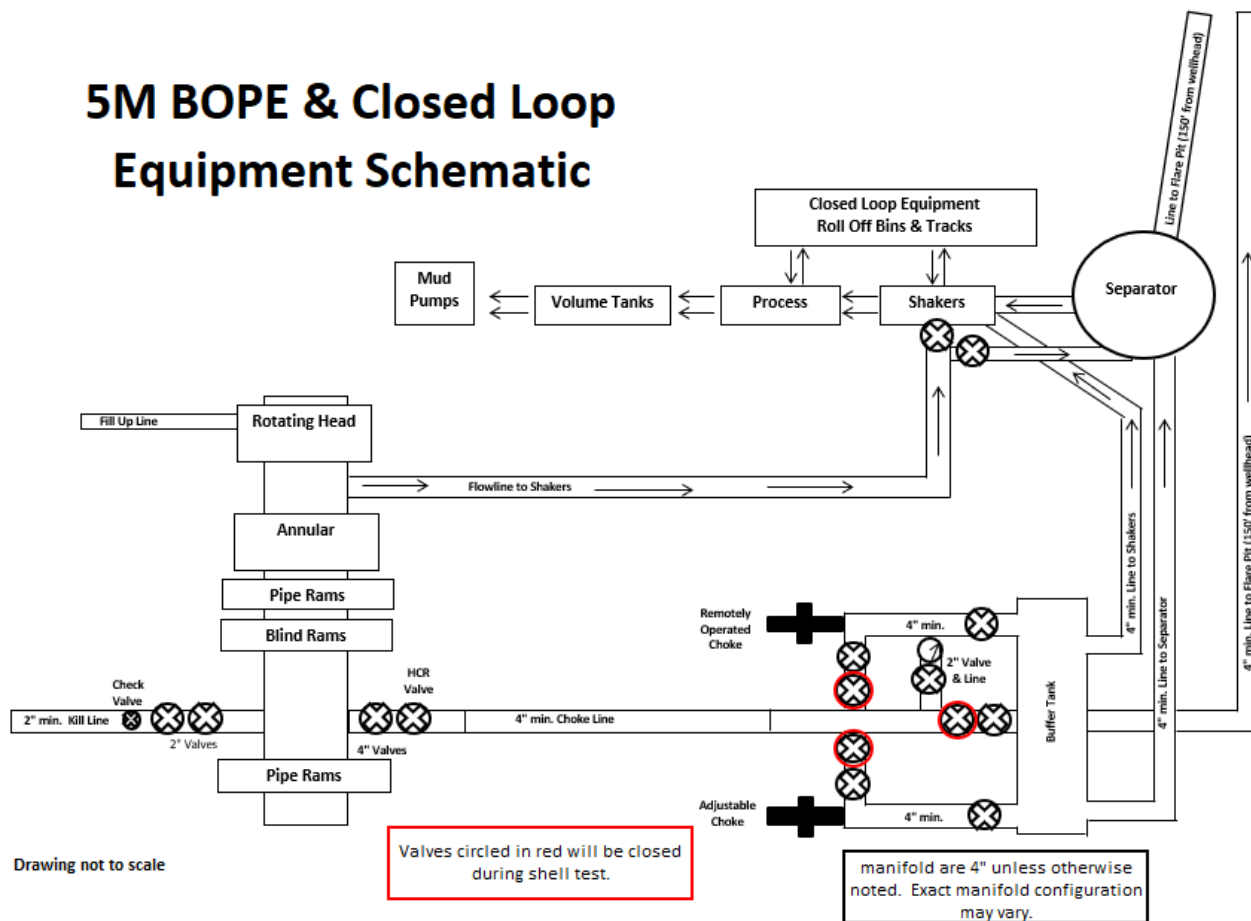


Figure 2. BOPE diagram



Figure 3. BOP handling system



Figure 4. BOP handling system

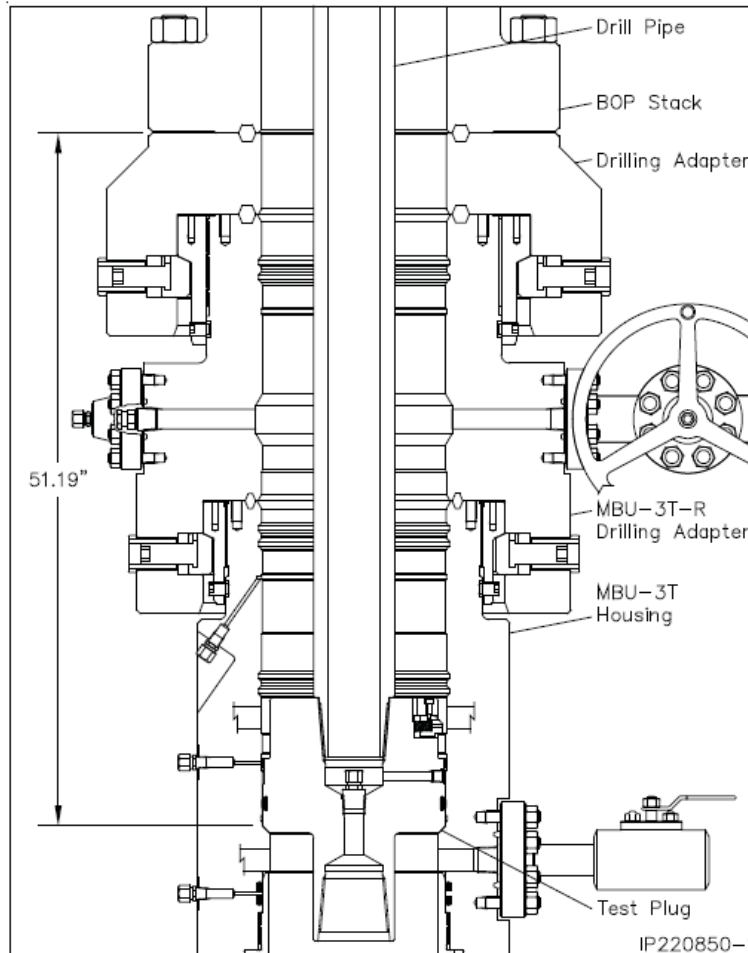


Figure 5. Cactus 5M wellhead with BOP quick connect

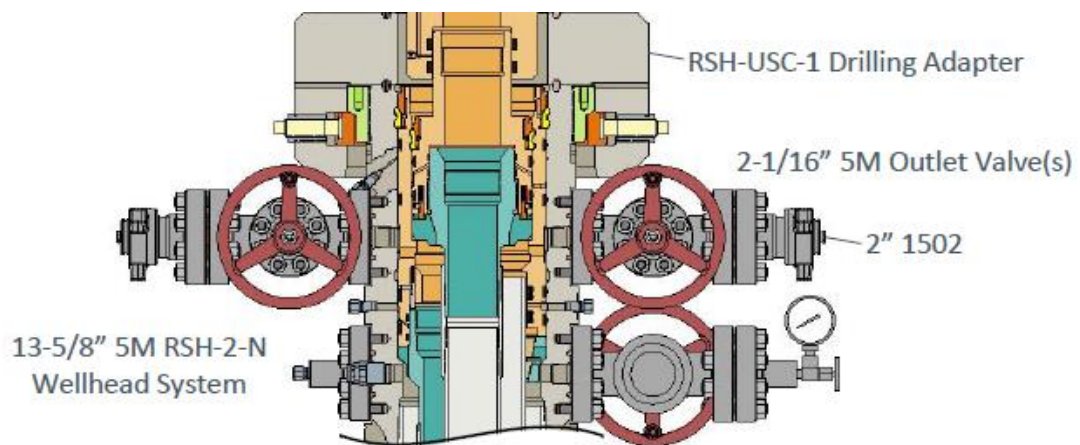


Figure 6. Vault 5M wellhead with BOP quick connect



Mewbourne Oil Co.

Surface & Intermediate Offline Cementing Variance

Mewbourne Oil Company requests a variance to perform offline cementing for surface and intermediate casing strings with the following conditions:

- Offline cementing will not be performed on production casing.
- Offline cementing will not be performed on a hole section with MASP > 5000 psi.
- Offline cementing will not be performed concurrently with offset drilling.

Surface Casing Order of Operations:

1. Run 13 3/8" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static.
4. Make up 13 5/8" wellhead or wellhead landing ring assembly and land on 20" conductor.
5. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint.
8. Walk rig to next well on pad with cement crew standing by to rig up.
9. Make up offline cement tool with forklift per wellhead manufacturer (Fig. 1 & 2).
10. Make up cement head on top of offline cement tool with forklift.
11. Commence cement operations.
12. If cement circulates, confirm well is static and proceed to step 16.
13. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
14. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
15. Confirm well is static.
16. Once cement job is complete, the cement head and offline cementing tool are removed. The wellhead technician returns to cellar to install wellhead/valves.
17. Install wellhead capping flange.

Barriers

Before Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus



After Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing

20" Surface Casing Order of Operations (4 string area):

1. Run 20" surface casing as per normal operations (TPGS and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Fill pipe, circulate casing capacity and confirm float(s) are still holding.
4. Confirm well is static.
5. Back out landing joint and pull to rig floor. Lay down landing joint.
6. Make up cement head.
7. Walk rig to next well on pad with cement crew standing by to rig up.
8. Commence cement operations.
9. If cement circulates, confirm well is static and proceed to step 13.
10. If cement does not circulate, notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
11. Use 1" pipe for remedial cement job until the surface casing is cemented to surface.
12. Confirm well is static.
13. Once cement job is complete, remove cement head and install cap.

Barriers

Before Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement Head

After Walk:

- Float(s) in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Cement head
- Capping flange after cementing



Intermediate Casing Order of Operations:

1. Run casing as per normal operations (float shoe and float collar).
2. Perform negative pressure test to confirm integrity of float equipment while running casing.
3. Confirm well is static (if running SBM).
4. Land casing.
5. Fill pipe, circulate casing capacity and confirm floats are still holding.
6. Confirm well is static.
7. Back out landing joint and pull to rig floor. Lay down landing joint. Install packoff & test.
8. Nipple down BOP.
9. Walk rig to next well on pad with cement crew standing by to rig up.
10. Make up offline cement tool using forklift per wellhead manufacturer (Fig. 3 - 8).
11. Make up cement head on top of offline cement tool.
12. Commence cement operations.
13. If cement circulates, confirm well is static and proceed to step 16.
14. If cement does not circulate (when required), notify the appropriate BLM office, wait a minimum of six hours, and run a temperature survey to determine the top of cement.
15. Pump remedial cement job if required.
16. Confirm well is static.
17. Remove cement head and offline cementing tool.
18. Install wellhead capping flange and test.

Barriers

Before Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff

After Nipple Down:

- Floats in casing
- Kill weight fluid in casing
- Kill weight fluid in annulus
- Solid body mandrel and/or packoff
- Offline cementing tool tested to 5000 psi and cement head
- Capping flange after cementing



Risks:

- Pressure build up in annulus before cementing
 - Contact BLM if a well control event occurs.
 - Rig up 3rd party pump or rig pumps to pump down casing and kill well.
 - Returns will be taken through the wellhead valves to a choke manifold (Fig 9 & 10).
 - Well could also be killed through the wellhead valves down the annulus.

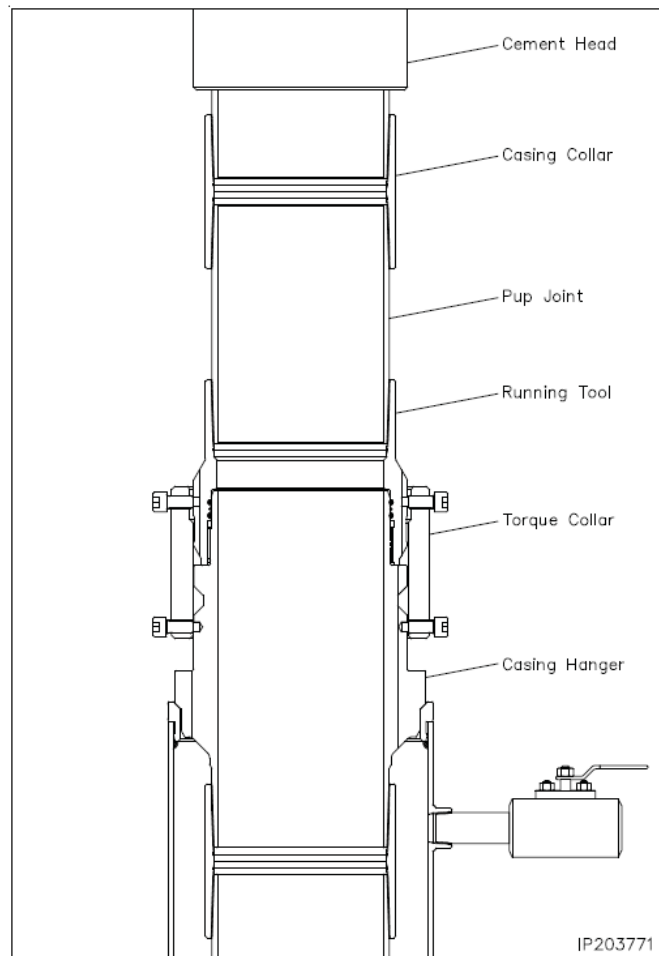


Figure 1. Cactus 13 3/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8" pup joint and casing.

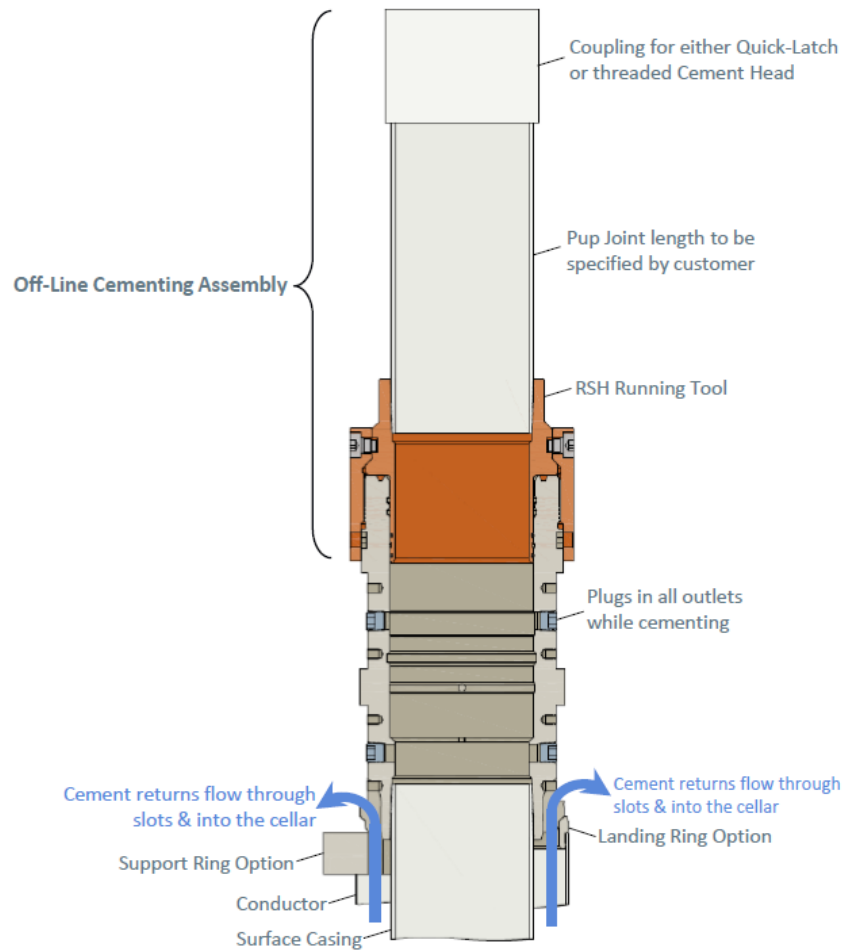


Figure 2. Vault 13 3/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 13 3/8" pup joint and casing.

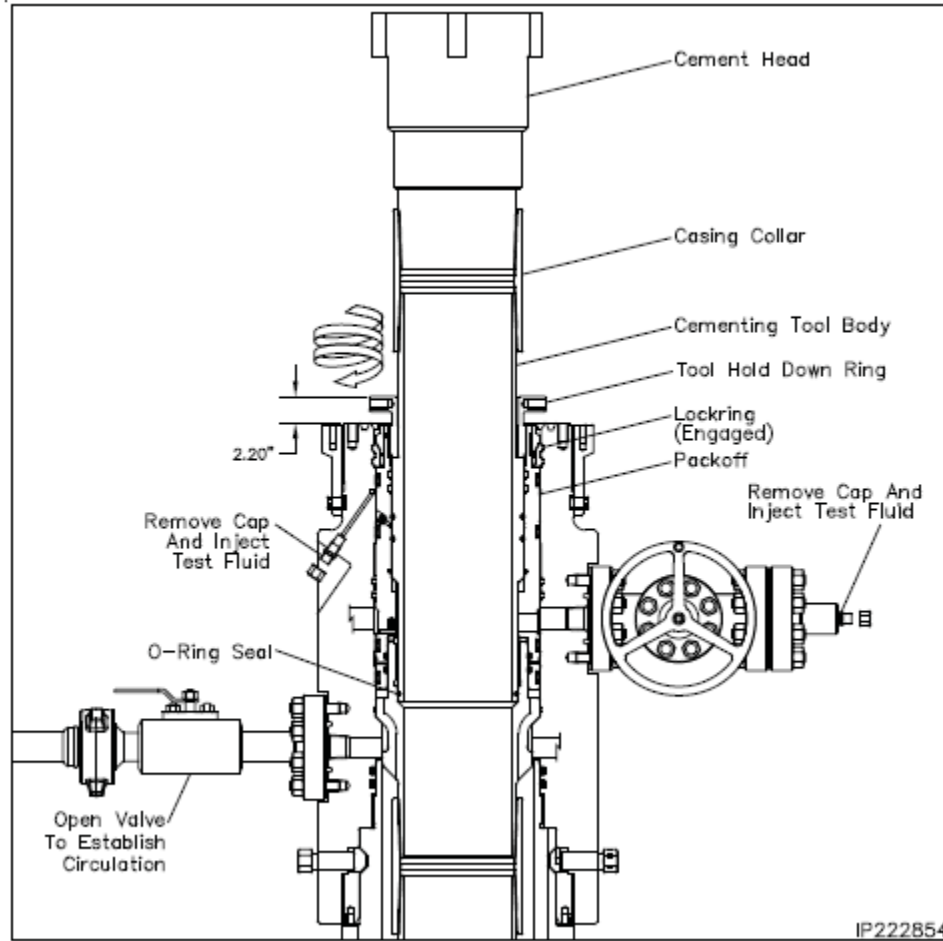


Figure 3. Cactus 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

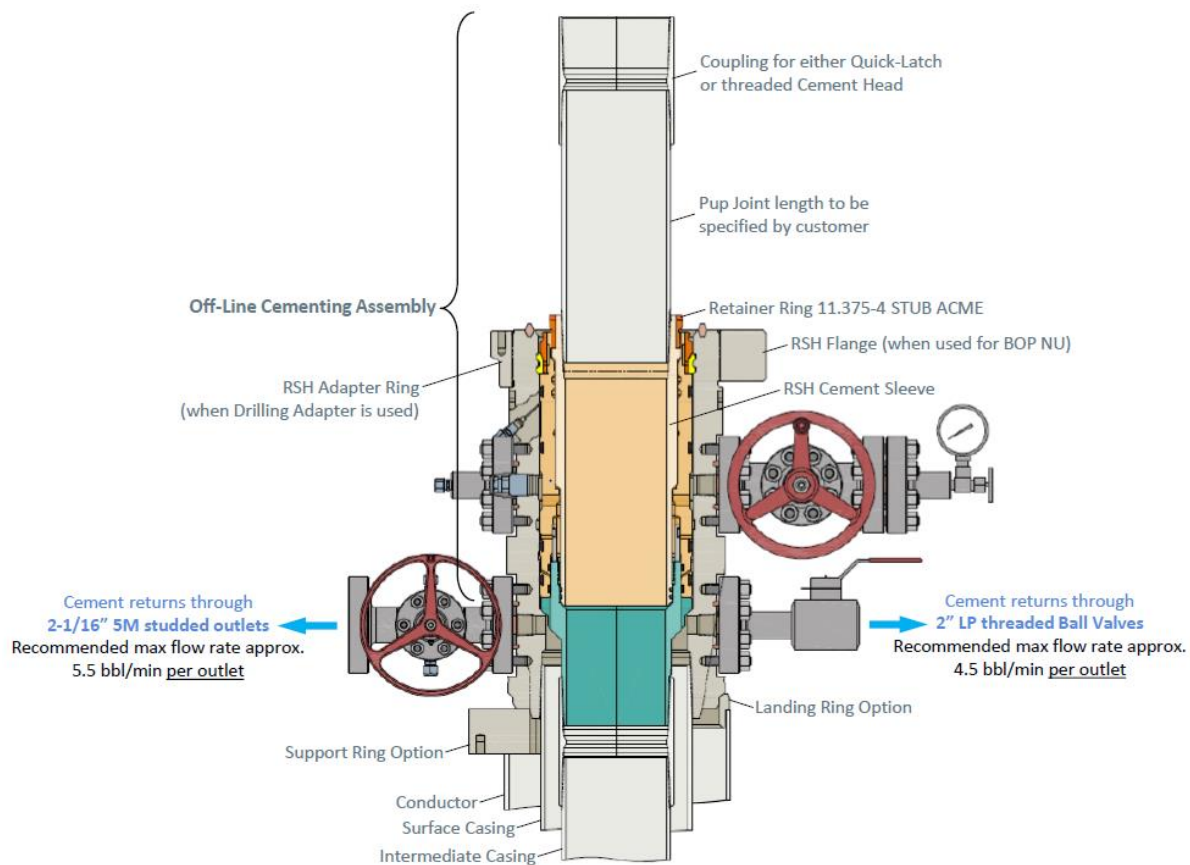


Figure 4. Vault 9 5/8" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 9 5/8" pup joint and casing.

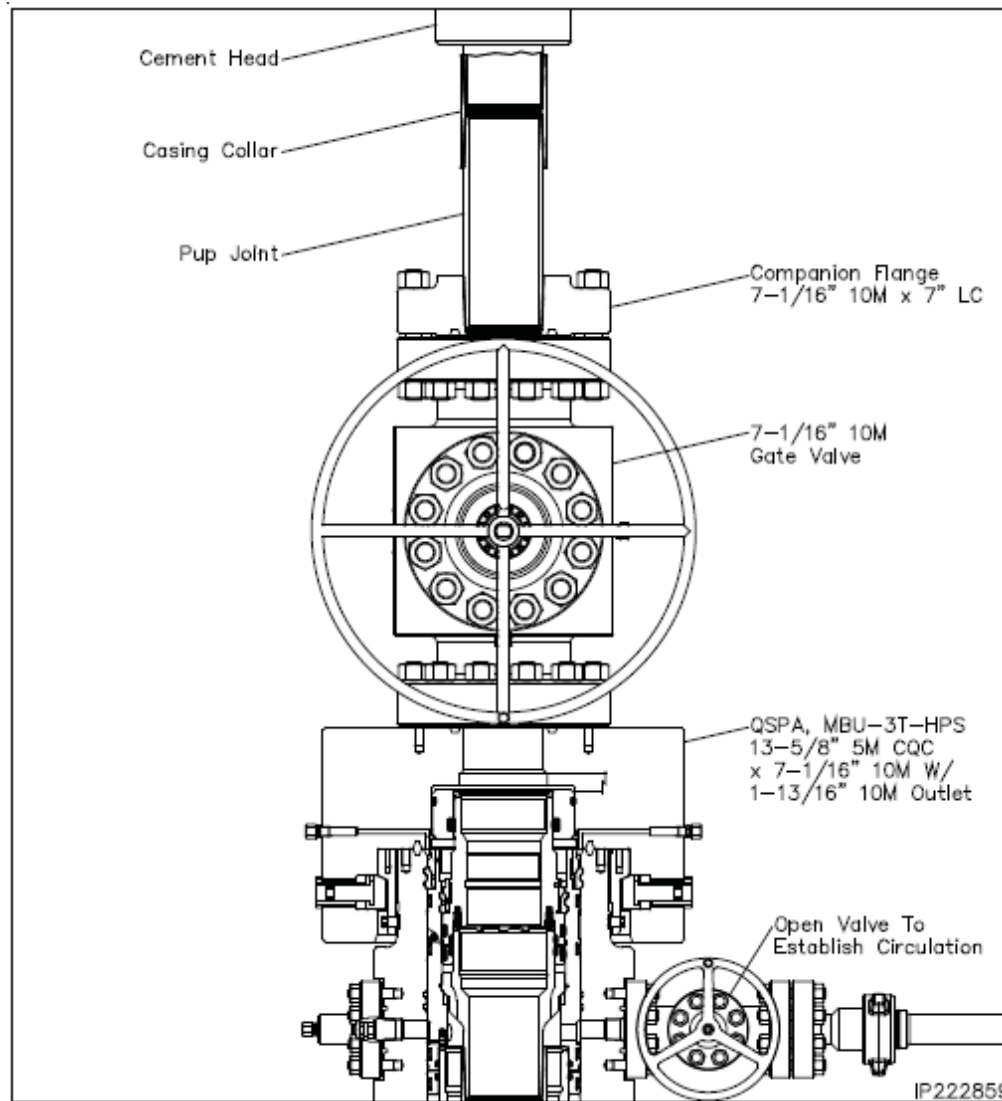


Figure 5. Cactus 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

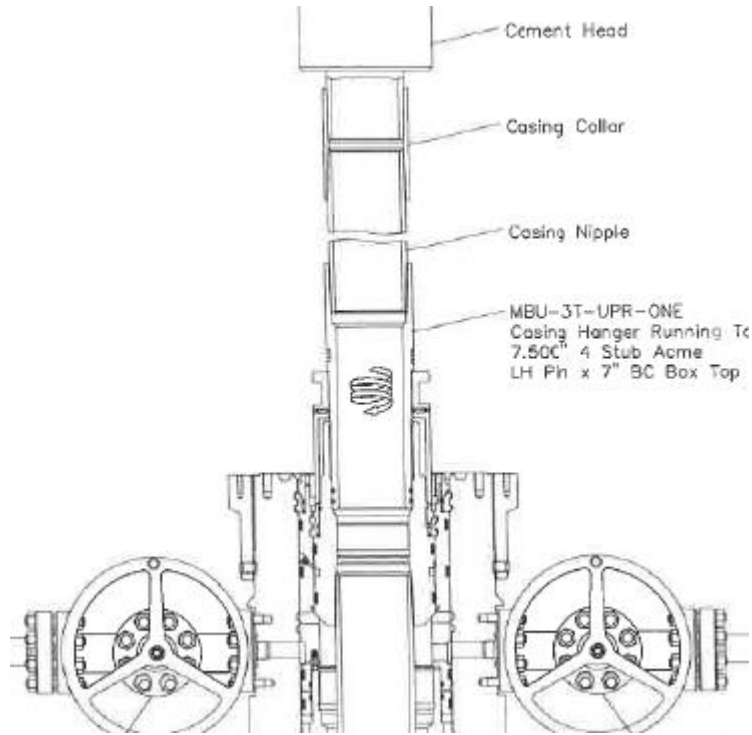


Figure 6. Cactus 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

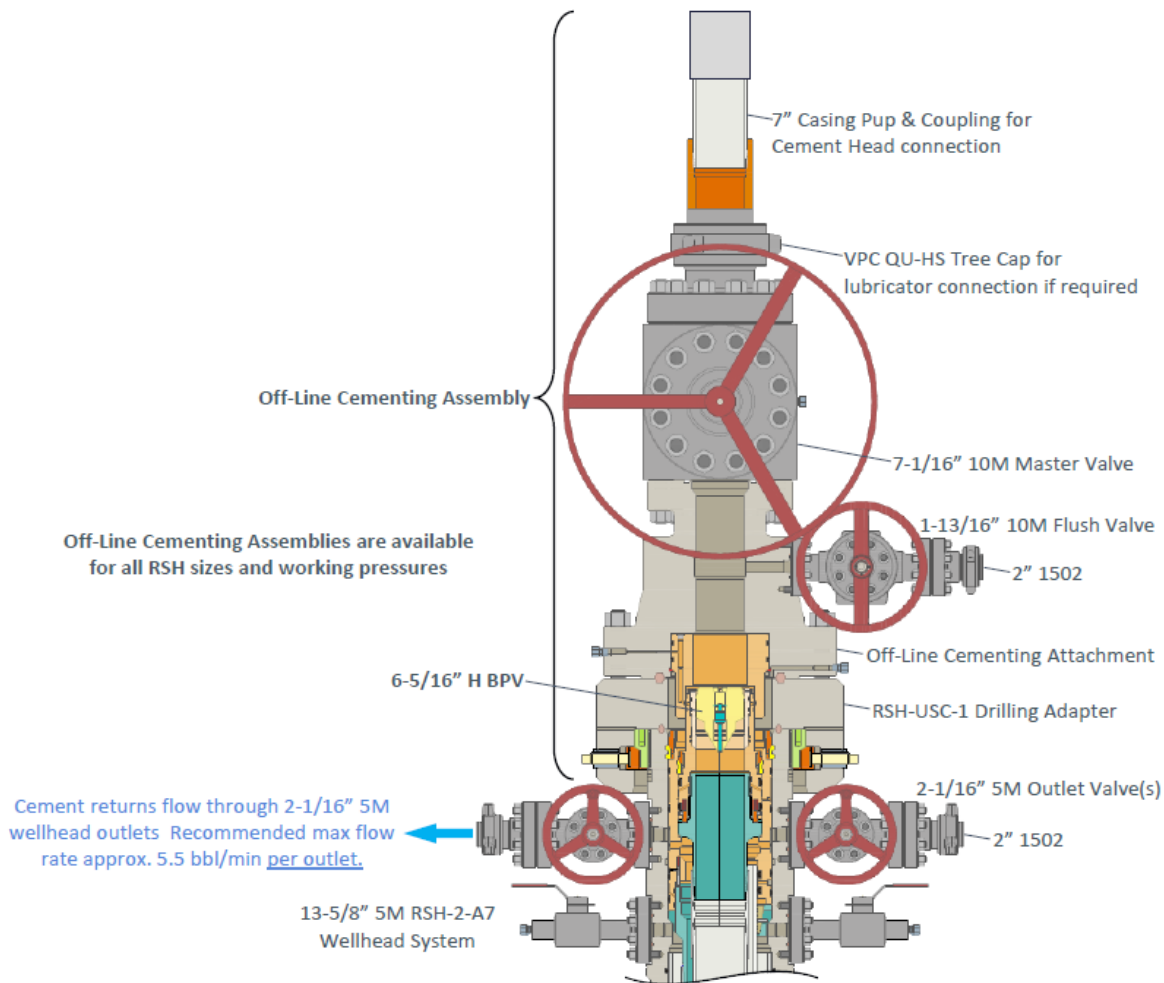


Figure 7. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

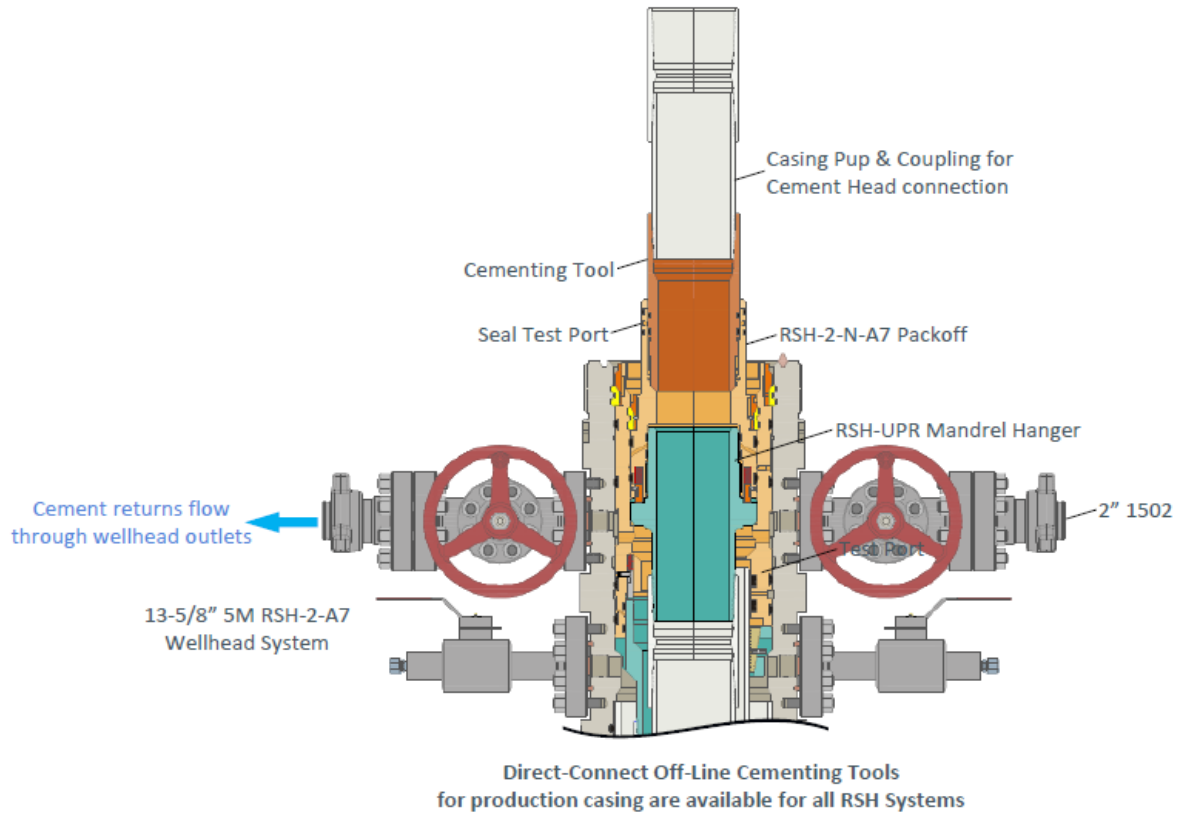


Figure 8. Vault 7" 5M offline cementing tool. Pressure rating limited by the lesser of 5M tool rating or the 7" pup joint and casing.

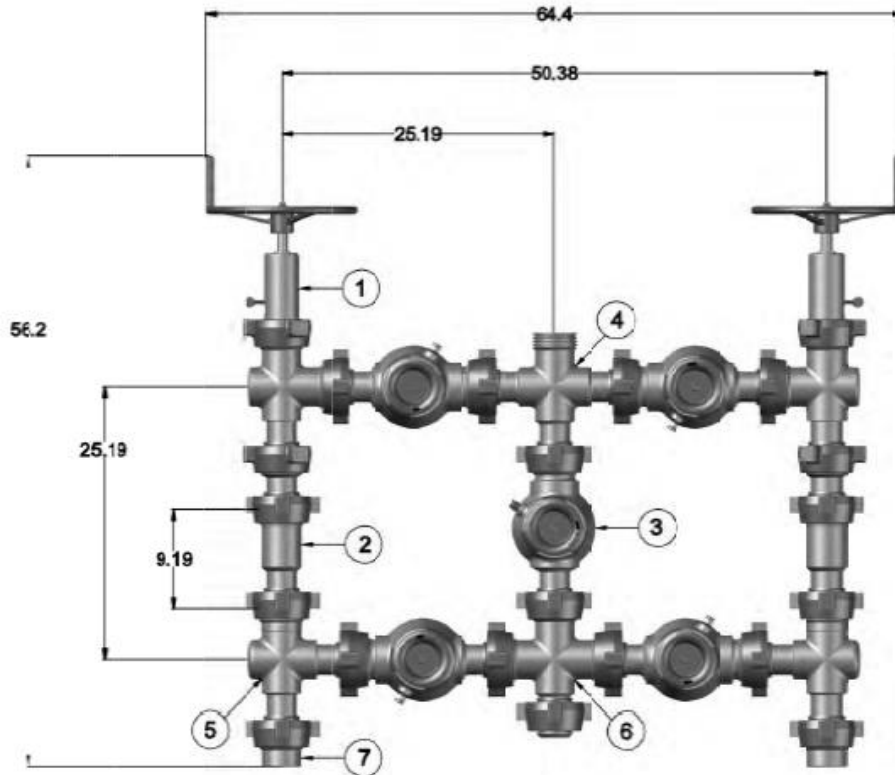


Figure 9. Five valve 15k choke manifold.

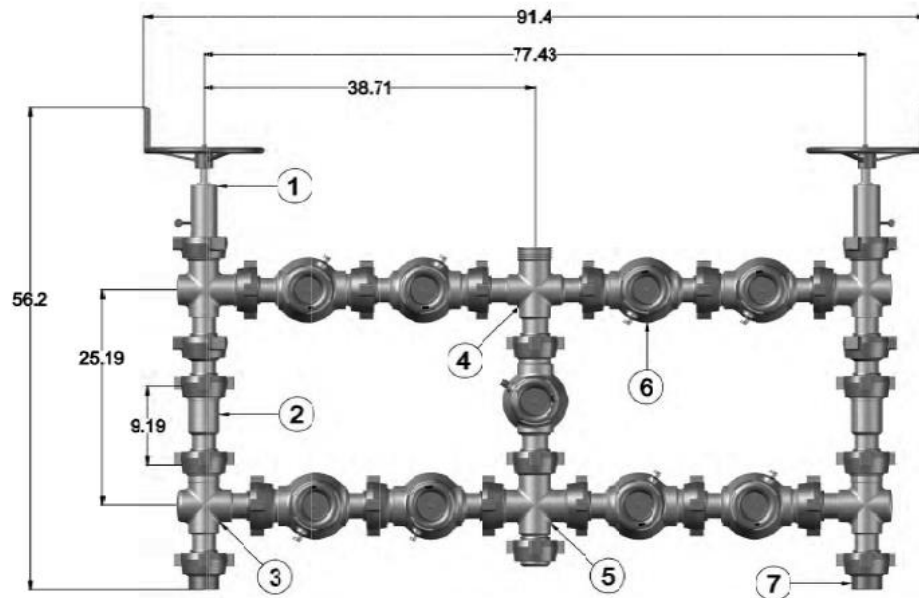


Figure 10. Nine valve 15k choke manifold.



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

SUPO Data Report

03/11/2026

APD ID: 10400103701

Submission Date: 02/21/2025

Highlighted data reflects the most recent changes

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

CHOCTAW_BINGO_30_29_FED_COM_627H_ExistingRoadMap_20250612094927.pdf

CHOCTAW_BINGO_30_29_FED_COM_627H_ExistingRoadMap_20250926142419.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

CHOCTAW_BINGO_30_29_FED_COM_627H_NewRoadMap_20250612094946.pdf

CHOCTAW_BINGO_30_29_FED_COM_627H_NewRoadMap_20250926142428.pdf

New road type: RESOURCE

Length: 106.47 Feet

Width (ft.): 30

Max slope (%): 3

Max grade (%): 3

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: N/A

New road access plan or profile prepared? N

New road access plan

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Access road engineering design? N

Access road engineering design

Turnout? N

Access surfacing type: NONE

Access topsoil source: OFFSITE

Access surfacing type description:

Access onsite topsoil source depth:

Offsite topsoil source description: N/A

Onsite topsoil removal process:

Access other construction information:

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: OTHER

Other Description: N/A

Drainage Control comments: N/A

Road Drainage Control Structures (DCS) description: N/A

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

CHOCTAW_BINGO_30_29_FED_COM_627H_ExistingWellMap_20250212144106.pdf

CHOCTAW_BINGO_30_29_FED_COM_627H_ExistingWellMap_20250926142443.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: The battery is located in Lot 1 of Sec. 30 in T18S R32E. We will lay (1) 4in buried FlexSteel flowline per well, with a working pressure of 250# (approx. 3975), 1-4.5in buried steel gas lift injection line with a working pressure of 1200# (approx. 3800), 1-4in buried poly gas supply lines with working pressure of 150# (approx. 3800), & 1-2in buried poly air supply line with working pressure of 150# (approx. 3800). These lines will be installed in one ditch following the attached route, going back to the

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Thundercloud 30/29 Battery #1. An overhead electric line will be installed within 15 off the flowline route (approx. 3800 & up to 22900 volts)

Production Facilities map:

CHOCTAW_BINGO__DEEP_ELLUM_UTILITY_TO_DEEP_ELLUM_BATTERY_20250221084145.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: IRRIGATION

Water source use type: DUST CONTROL
 CAMP USE
 SURFACE CASING
 INTERMEDIATE/PRODUCTION CASING
 STIMULATION

Source latitude: 32.78658

Source longitude: -103.830576

Source datum: NAD83

City:

Water source permit type: WATER WELL

Water source transport method: TRUCKING

Source land ownership: PRIVATE

Source transportation land ownership: STATE

Water source volume (barrels): 1940

Source volume (acre-feet): 0.2500526

Source volume (gal): 81480

Water source and transportation

CHOCTAW_BINGO_30_29_FED_COM_627H_WaterSourceTransMap_20250212144123.pdf

CHOCTAW_BINGO_30_29_FED_COM_627H_WaterSourceTransMap_20250926142607.pdf

Water source comments: BOTH SOURCES SHOWN ON ONE MAP

New water well? N

New Water Well Info

Well latitude:

Well Longitude:

Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft):

Est thickness of aquifer:

Aquifer comments:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Aquifer documentation:

Well depth (ft):

Well casing type:

Well casing outside diameter (in.):

Well casing inside diameter (in.):

New water well casing?

Used casing source:

Drilling method:

Drill material:

Grout material:

Grout depth:

Casing length (ft.):

Casing top depth (ft.):

Well Production type:

Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: SEC 25 18S 31E NENW

Construction Materials source location

CHOCTAW_BINGO_30_29_FED_COM_627H_CalicheSourceTransMap_20250212144133.pdf

CHOCTAW_BINGO_30_29_FED_COM_627H_CalicheSourceTransMap_20250926142615.pdf

Section 7 - Methods for Handling

Waste type: GARBAGE

Waste content description: Garbage & Trash

Amount of waste: 1500 pounds

Waste disposal frequency : One Time Only

Safe containment description: Enclosed trash trailer

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

Disposal type description:

Disposal location description: Waste Management facility in Carlsbad.

Waste type: DRILLING

Waste content description: DRILL CUTTINGS

Amount of waste: 940 barrels

Waste disposal frequency : One Time Only

Safe containment description: DRILL CUTTINGS WILL BE PROPERLY CONTAINED IN STEEL TANKS (20 YARD ROLL OFF BINS.)

Safe containmant attachment:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

Disposal type description:

Disposal location description: NMOCD approved waste disposal locations are CRI or Lea Land, both facilities are located on HWY 62/180, Sec 27, T20S, R32E

Waste type: SEWAGE

Waste content description: Human waste & grey water

Amount of waste: 1500 gallons

Waste disposal frequency : Weekly

Safe containment description: 2,000 gallon plastic container

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

Disposal type description:

Disposal location description: City of Carlsbad Water Treatment facility

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? N

Description of cuttings location

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

Cuttings area liner

Cuttings area liner specifications and installation description

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

CHOCTAW_BINGO_30_29_FED_COM_627H_WellSiteLayout_20250612095009.pdf

CHOCTAW_BINGO_30_29_FED_COM_627H_WellSiteLayout_20250926142622.pdf

Comments: NONE

Section 10 - Plans for Surface

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: CHOCTAW BINGO 30/29 625 526 467 627 528

Multiple Well Pad Number: 5

Recontouring

CHOCTAW_BINGO_30_29_FED_COM_627H_InterimReclamationmap_20250612095016.pdf

CHOCTAW_BINGO_30_29_FED_COM_627H_InterimReclamationmap_20250926142630.pdf

Drainage/Erosion control construction: NONE

Drainage/Erosion control reclamation: NONE

Well pad proposed disturbance (acres): 4.2	Well pad interim reclamation (acres): 1.5	Well pad long term disturbance (acres): 2.7
Road proposed disturbance (acres): 0.04	Road interim reclamation (acres): 0	Road long term disturbance (acres): 0
Powerline proposed disturbance (acres): 0.58	Powerline interim reclamation (acres): 0	Powerline long term disturbance (acres): 0
Pipeline proposed disturbance (acres): 0	Pipeline interim reclamation (acres): 0	Pipeline long term disturbance (acres): 0
Other proposed disturbance (acres): 0.58	Other interim reclamation (acres): 0	Other long term disturbance (acres): 0
Total proposed disturbance: 5.4	Total interim reclamation: 1.5	Total long term disturbance: 2.7

Disturbance Comments: In areas to be heavily disturbed, the top 6 inches of soil material, will be stripped and stockpiled on the perimeter of the well location to keep topsoil viable, and to make redistribution of topsoil more efficient during interim reclamation. Stockpiled topsoil should include vegetative material. Topsoil will be clearly segregated and stored separately from subsoils. Contaminated soil will not be stockpiled, but properly treated and handled prior to topsoil salvaging.

Reconstruction method: The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ration, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.

Topsoil redistribution: Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including cuts & fills. To see the area, the proper BLM seed mixture, free of noxious weeds, will be used.

Soil treatment: N/A

Existing Vegetation at the well pad: VARIOUS BRUSH & GRASSES

Existing Vegetation at the well pad

Existing Vegetation Community at the road: VARIOUS BRUSH & GRASSES

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: VARIOUS BRUSH & GRASSES

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: VARIOUS BRUSH & GRASSES

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

[Seed](#)

[Seed Table](#)

Seed Summary	
Seed Type	Pounds/Acre

Total pounds/Acre:

Seed reclamation

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Operator Contact/Responsible Official

First Name:

Last Name:

Phone:

Email:

Seedbed prep: Final seedbed preparation will consist of contour cultivating to the depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

Seed BMP: To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used.

Seed method: Drilling or broadcasting seed over entire reclaimed area.

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

Weed treatment plan description: N/A

Weed treatment plan

Monitoring plan description: vii. All reclaimed areas will be monitored periodically to ensure that revegetation occurs, that the area is not redisturbed, and that erosion and invasive/noxious weeds are controlled.

Monitoring plan

Success standards: regrowth within 1 full growing season of reclamation.

Pit closure description: NA

Pit closure attachment:

Section 11 - Surface

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Section 12 - Other

Right of Way needed? N

Use APD as ROW?

ROW Type(s):

ROW

SUPO Additional Information: Met w/RRC Surveying & staked location @ 965' FSL & 380' FWL, Sec 30, T18S, R32E, Lea Co., NM. (Elevation @ 3675'). Pad is 400 x 440. Topsoil staked 30 wide to the W. Road will enter on the E side of the pad from the Geronimo 30 #1 well pad. Reclaim 60 S & W. If a battery is needed, it will be to the E & over the Geronimo 30 #1 battery. Will require BLM onsite & arch survey. CEHMM has reviewed the location. Lat: 32.7139783 N, Long: -103.8131340 W NAD 83. (BPS) Met w/Paul Murphy & Clarice Cain (BLM-NRS). Surface location approved pending archeological survey. Onsite conducted on 11/6/2024. (BPS)

Use a previously conducted onsite? N

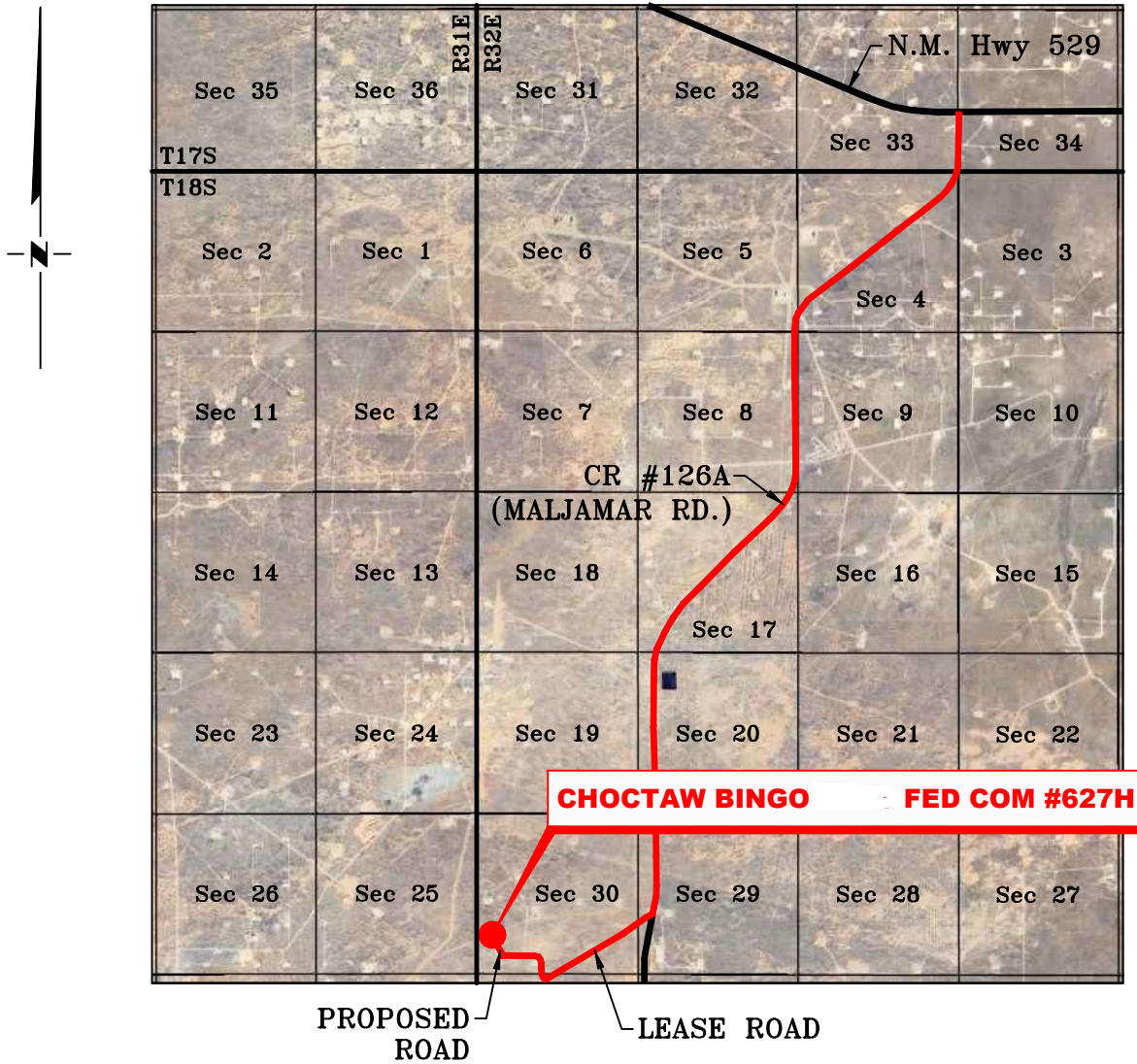
Previous Onsite information:

Other SUPO

CONFIDENTIAL

VICINITY MAP

NOT TO SCALE



*SECTION 30, TWP. 18 SOUTH, RGE. 32 EAST,
N. M. P. M., LEA CO., NEW MEXICO*

OPERATOR: Mewbourne Oil Company
 LEASE: Choctaw Bingo 30/29 Fed Com
 WELL NO.: 627H

LOCATION: 965' FSL & 380' FWL
 ELEVATION: 3675'

NO.	REVISION	DATE
JOB NO.: LS24090788		
DWG. NO.: 24090788-3		

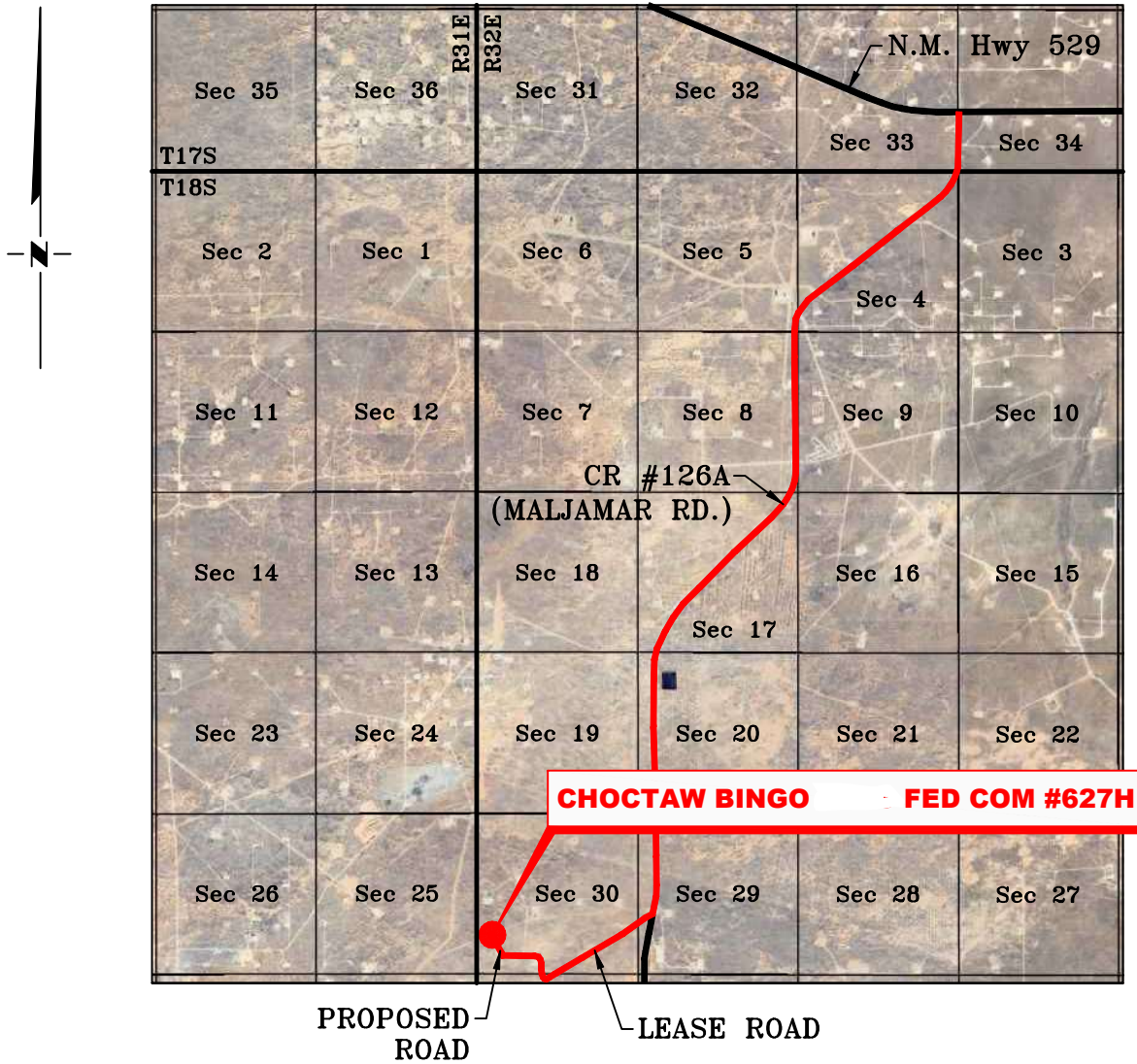


701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: N. T. S.
DATE: 09/27/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1

VICINITY MAP

NOT TO SCALE



*SECTION 30, TWP. 18 SOUTH, RGE. 32 EAST,
N. M. P. M., LEA CO., NEW MEXICO*

OPERATOR: Mewbourne Oil Company
 LEASE: Choctaw Bingo 30/29 Fed Com
 WELL NO.: 627H

LOCATION: 965' FSL & 380' FWL
 ELEVATION: 3675'

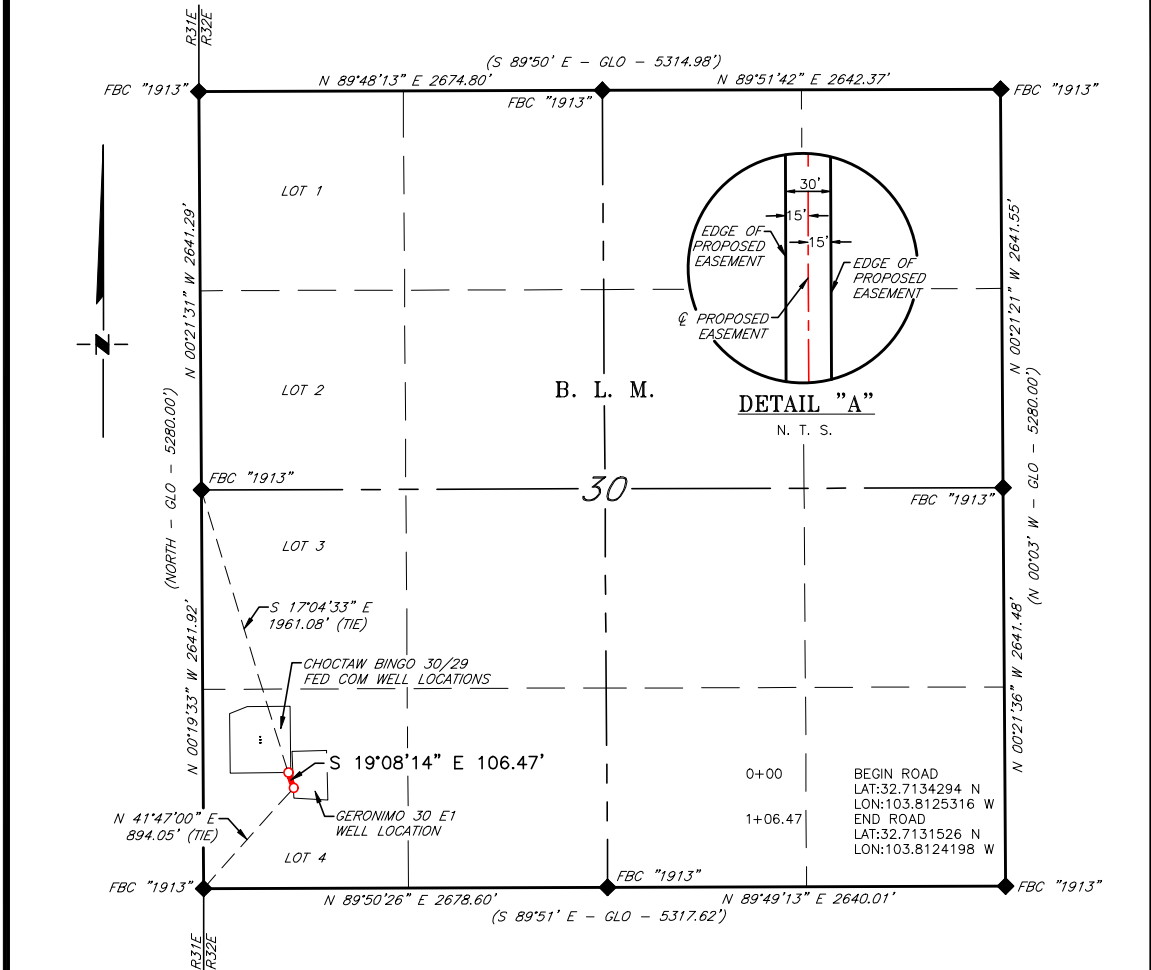
NO.	REVISION	DATE
JOB NO.: LS24090788		
DWG. NO.: 24090788-3		



701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: N. T. S.
DATE: 09/27/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1

**MEWBOURNE OIL COMPANY
ACCESS ROAD FOR THE CHOCTAW BINGO FED COM WELL LOCATIONS
SECTION 30, T18S, R32E
N. M. P. M., LEA COUNTY, NEW MEXICO**



DESCRIPTION

A strip of land 30 feet wide, being 106.47 feet or 6.453 rods in length, lying in Section 30, Township 18 South, Range 32 East, N. M. P. M., Lea County, New Mexico, being 15 feet left and 15 feet right of the following described survey of a centerline across B. L. M. land:

BEGINNING at Engr. Sta. 0+00, a point in Lot 4 of Section 30, which bears, S 17°04'33" E, 1,961.08 feet, from a brass cap, stamped "1913", found for the West quarter corner of Section 30;

Thence S 19°08'14" E, 106.47 feet, to Engr. Sta. 1+06.47, the End of Survey, a point in Lot 4 of Section 30, which bears, N 41°47'00" E, 894.05 feet, from a brass cap, stamped "1913", found for the Southwest corner of Section 30.

Said strip of land contains 0.073 acres, more or less, and is allocated by forties as follows:

Lot 4	106.47 Feet	6.453 Rods	0.073 Acres
-------	-------------	------------	-------------

SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND
() RECORD DATA - GLO
◆ FOUND MONUMENT AS NOTED
— PROPOSED ACCESS ROAD

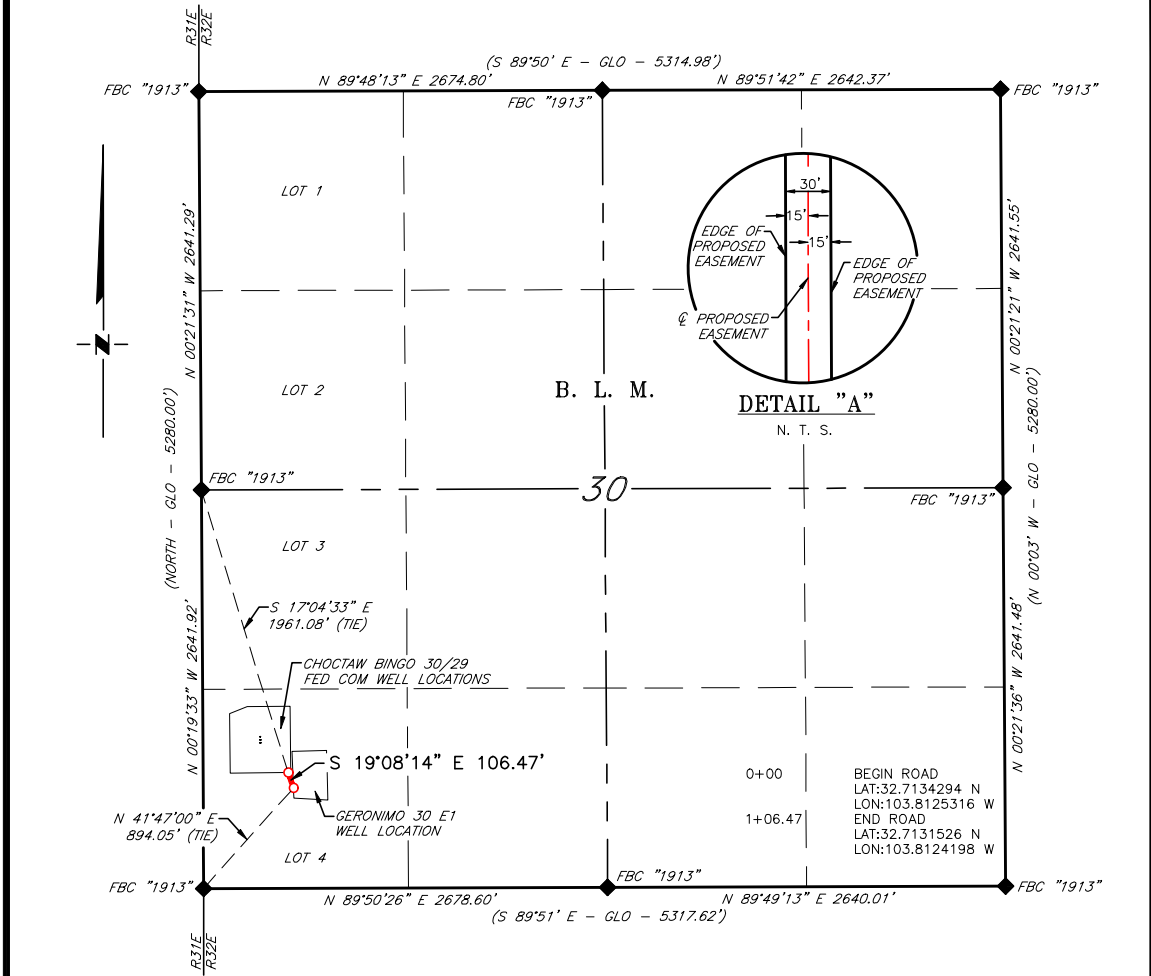
I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680



NO. REVISION DATE			 701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200	SCALE: 1" = 1000'
JOB NO.: LS24090786				DATE: 09/27/2024
DWG. NO.: 24090786-5				SURVEYED BY: ML/JH
				DRAWN BY: AR
				APPROVED BY: RMH
				SHEET: 1 OF 1

**MEWBOURNE OIL COMPANY
ACCESS ROAD FOR THE CHOCTAW BINGO FED COM WELL LOCATIONS
SECTION 30, T18S, R32E
N. M. P. M., LEA COUNTY, NEW MEXICO**



DESCRIPTION

A strip of land 30 feet wide, being 106.47 feet or 6.453 rods in length, lying in Section 30, Township 18 South, Range 32 East, N. M. P. M., Lea County, New Mexico, being 15 feet left and 15 feet right of the following described survey of a centerline across B. L. M. land:

BEGINNING at Engr. Sta. 0+00, a point in Lot 4 of Section 30, which bears, S 17°04'33" E, 1,961.08 feet, from a brass cap, stamped "1913", found for the West quarter corner of Section 30;

Thence S 19°08'14" E, 106.47 feet, to Engr. Sta. 1+06.47, the End of Survey, a point in Lot 4 of Section 30, which bears, N 41°47'00" E, 894.05 feet, from a brass cap, stamped "1913", found for the Southwest corner of Section 30.

Said strip of land contains 0.073 acres, more or less, and is allocated by forties as follows:

Lot 4	106.47 Feet	6.453 Rods	0.073 Acres
-------	-------------	------------	-------------

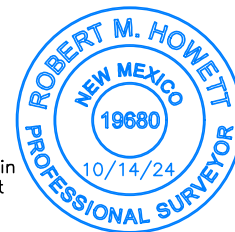
SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND
() RECORD DATA - GLO
◆ FOUND MONUMENT AS NOTED
— PROPOSED ACCESS ROAD

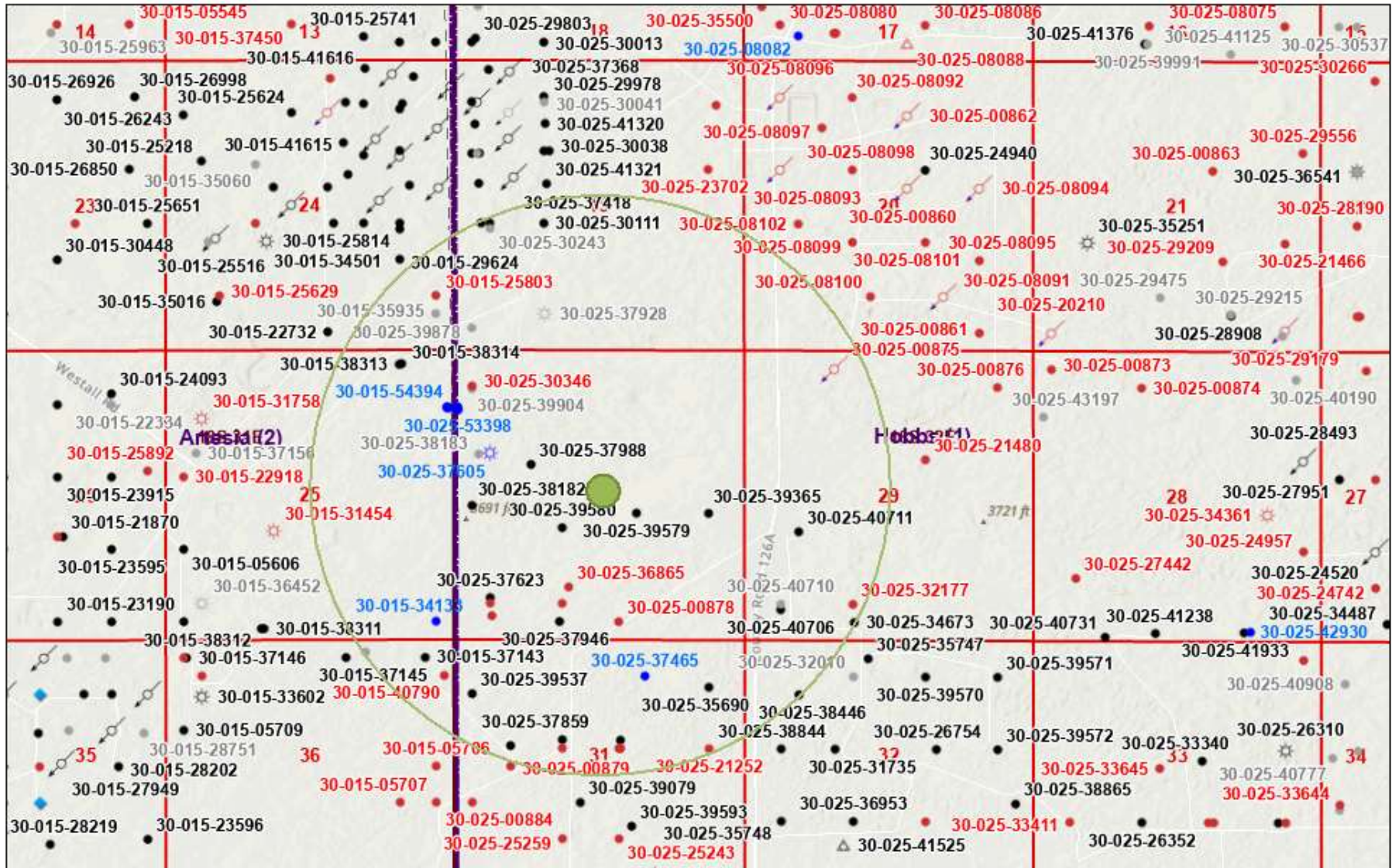
I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680



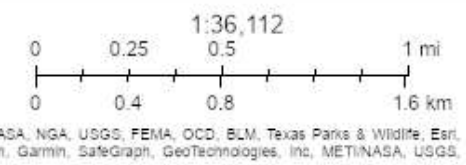
NO. REVISION DATE			 701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200	SCALE: 1" = 1000'
JOB NO.: LS24090786				DATE: 09/27/2024
DWG. NO.: 24090786-5				SURVEYED BY: ML/JH
				DRAWN BY: AR
				APPROVED BY: RMH
				SHEET: 1 OF 1

OCD Well Locations



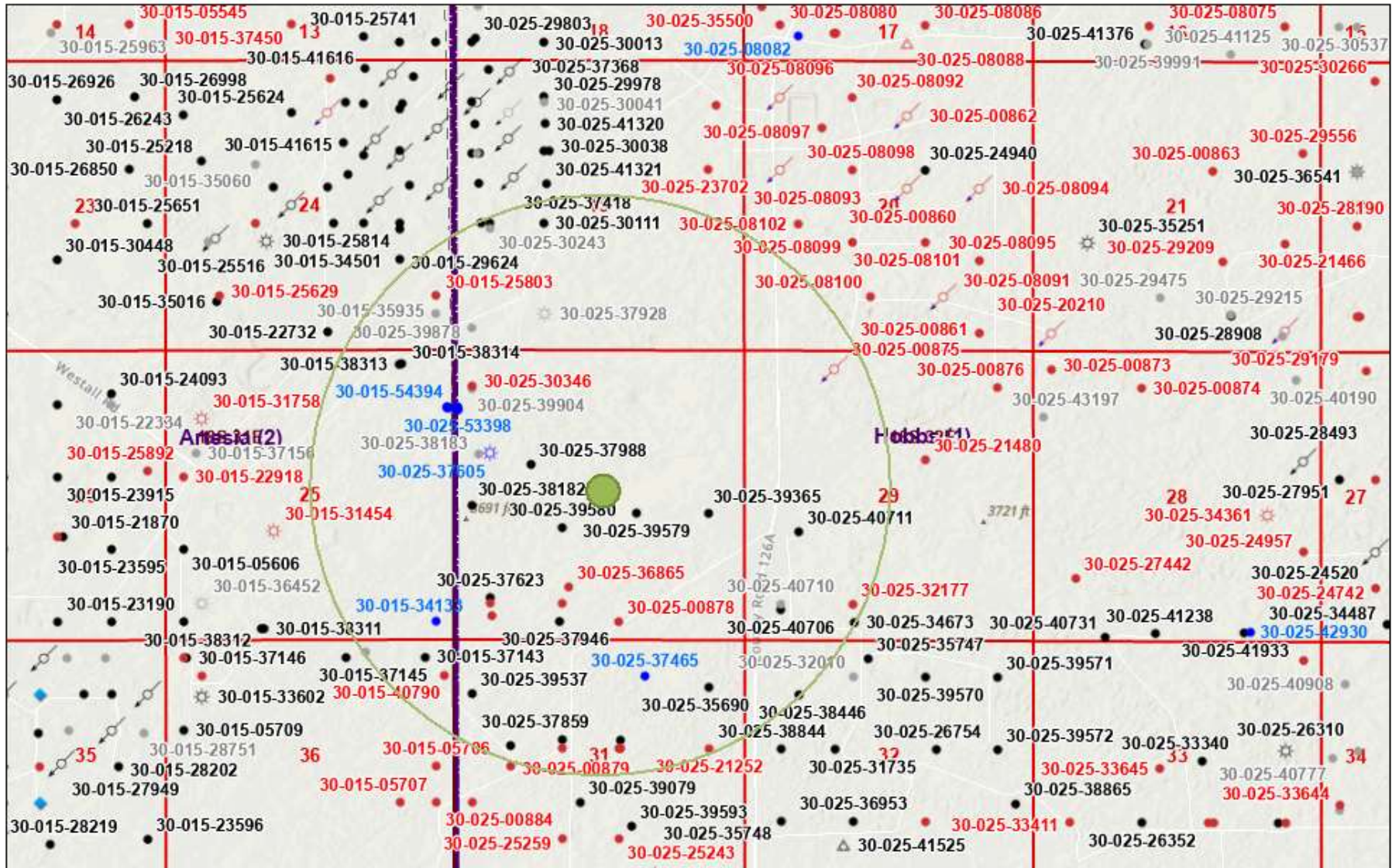
2/11/2025, 8:51:44 AM

- | | | | | |
|---------------------|---------------------|------------------------|---------------------------------|-----------------------|
| Areas | ○ Gas, Cancelled | ○ Injection, Cancelled | ● Oil, New | ● undefined |
| ○ Override 1 | ○ Gas, New | ○ Injection, Plugged | ● Oil, Plugged | □ OCD Districts |
| ○ Override 2 | ○ Gas, Plugged | ● Oil, Active | ▲ Salt Water Injection, Active | □ PLSS First Division |
| Wells - Large Scale | ○ Injection, Active | ● Oil, Cancelled | ▲ Salt Water Injection, Plugged | □ PLSS Townships |
| ○ Gas, Active | | | | |



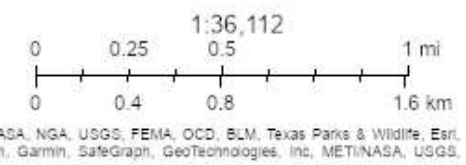
New Mexico Oil Conservation Division
 NM OCD Oil and Gas Map, <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>, New Mexico Oil Conservation Division

OCD Well Locations



2/11/2025, 8:51:44 AM

- Areas
 - Override 1
 - Override 2
- Wells - Large Scale
 - Gas, Active
 - Gas, Cancelled
 - Gas, New
 - Gas, Plugged
 - Injection, Cancelled
 - Injection, Plugged
 - Injection, Active
 - Oil, Active
 - Oil, Cancelled
 - Oil, New
 - Oil, Plugged
 - Salt Water Injection, Active
 - Salt Water Injection, Plugged
 - undefined
 - OCD Districts
 - PLSS First Division
 - PLSS Townships

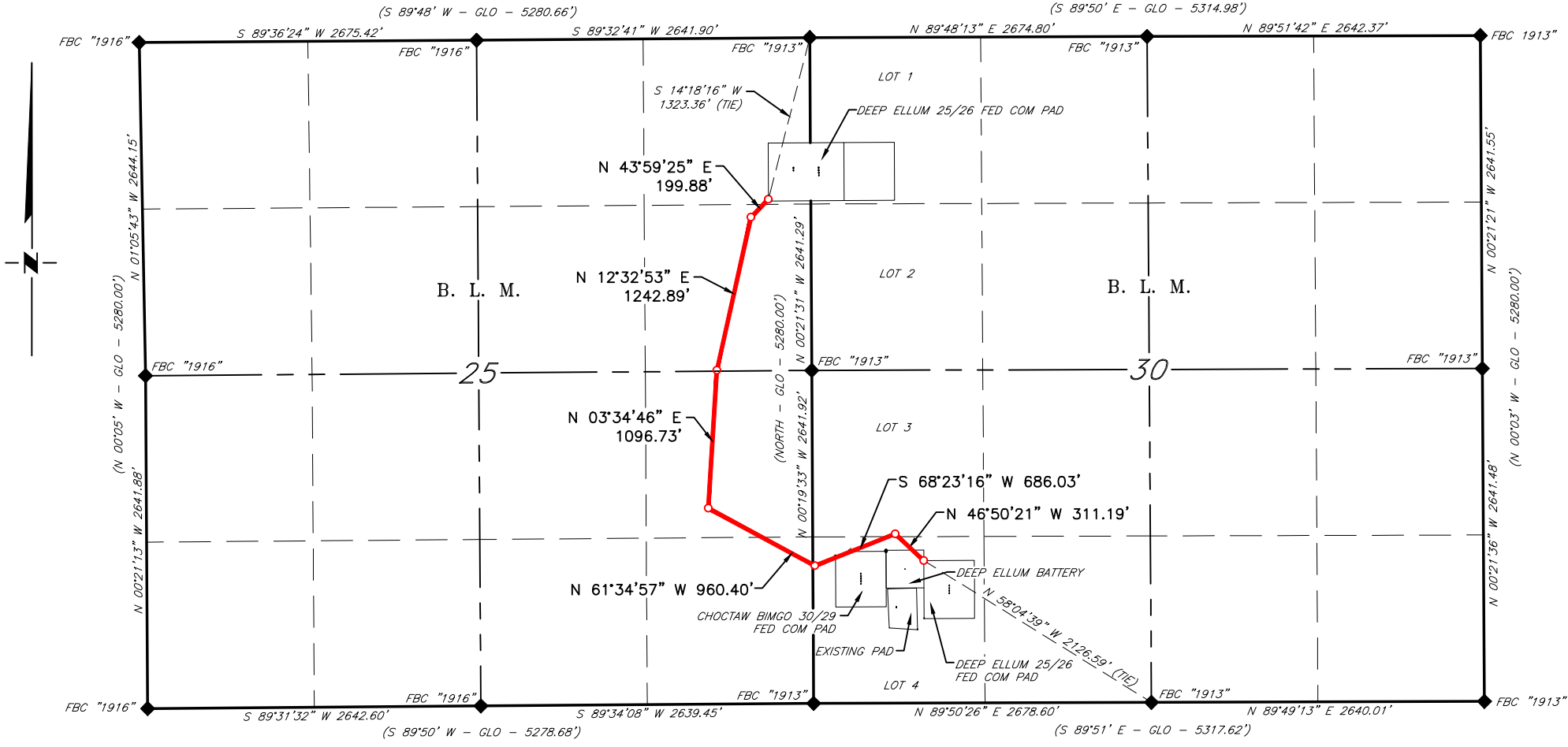


New Mexico Oil Conservation Division
NM OCD Oil and Gas Map, <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>. New Mexico Oil Conservation Division

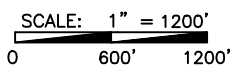
MEWBOURNE OIL COMPANY

CHOCTAW BINGO/DEEP ELLUM UTILITY LINE TO DEEP ELLUM BATTERY

SECTION 25, T18S, R31E & SECTION 30, T18S, R32E, N.M.P.M. LEA COUNTY NEW MEXICO



ENTIRE LINE TOTALS			
	FEET	RODS	ACRES
TOTAL	4,497.12'	272.553	3.098



BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

() RECORD DATA - GLO
◆ FOUND MONUMENT AS NOTED
— PROPOSED PIPELINE

SCALE: 1" = 1200'
DATE: 10/09/2024
SURVEYED BY: ML/JH
DRAWN BY: CG
APPROVED BY: RMH
SHEET: 1 OF 4



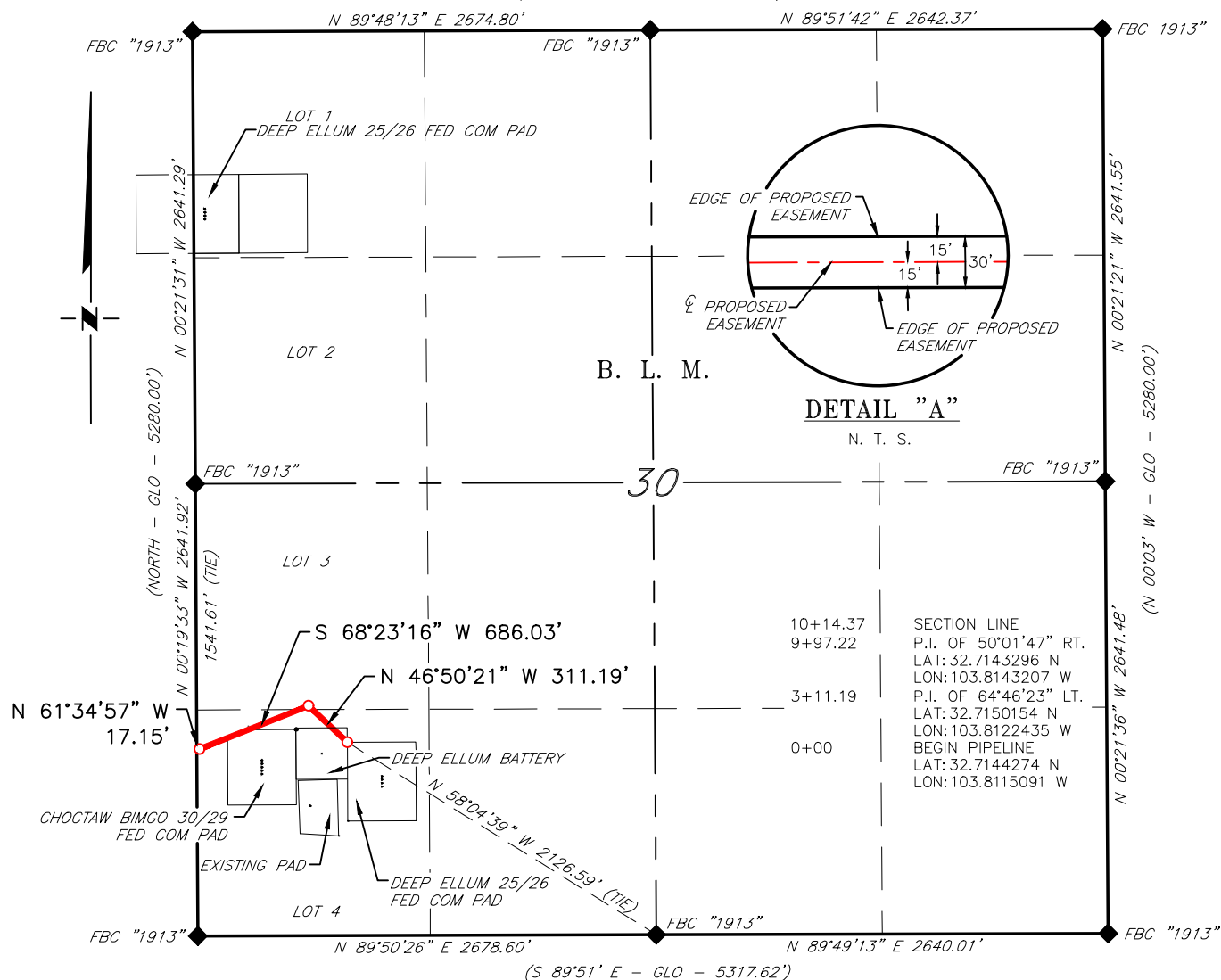
ENERGY SERVICES, LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

NO.	REVISION	DATE

JOB NO.: LS24100838
DWG. NO.: 24100838-1

**MEWBOURNE OIL COMPANY
CHOCTAW BINGO/DEEP ELLUM UTILITY LINE TO DEEP ELLUM BATTERY
SECTION 30, T18S, R32E
N. M. P. M., LEA COUNTY, NEW MEXICO**

(S 89°50' E - GLO - 5314.98')



DESCRIPTION

A strip of land 30 feet wide, being 1,014.37 feet or 61.477 rods in length, lying in Section 30, Township 18 South, Range 32 East, N. M. P. M., Lea County, New Mexico, being 15 feet left and 15 feet right of the following described survey of a centerline across B. L. M. land:

BEGINNING at Engr. Sta. 0+00, a point in the Southwest quarter of Section 30, which bears, N 58°04'39" W, 2,126.59 feet, from a brass cap, stamped "1913", found for the South quarter corner of Section 30;

Thence N 46°20'21" W, 311.19 feet, to Engr. Sta. 3+11.19, a P. I. of 64°46'23" left;

Thence S 68°23'16" W, 686.03 feet, to Engr. Sta. 9+97.22, a P. I. of 50°01'47" right;

Thence N 61°34'57" W, 17.15 feet, to Engr. Sta. 10+14.37, a point on the West line of Section 30, which bears, S 00°19'33" E, 1,541.61 feet, from a brass cap, stamped "1913", found for the West quarter corner of Section 30.

Said strip of land contains 0.699 acres, more or less, and is allocated by forties as follows:

LOT 4	922.05 Feet	55.882 Rods	0.635 Acres
LOT 3	92.32 Feet	5.595 Rods	0.064 Acres

SCALE: 1" = 1000'

0 500' 1000'

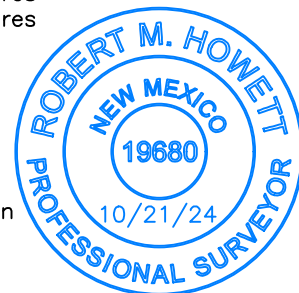
BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND

- () RECORD DATA - GLO
- ◆ FOUND MONUMENT AS NOTED
- PROPOSED PIPELINE

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680

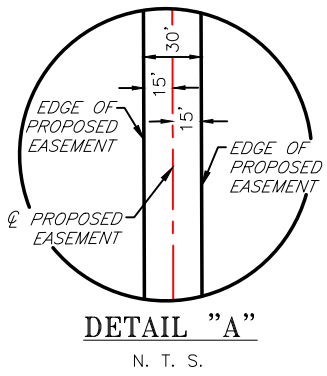
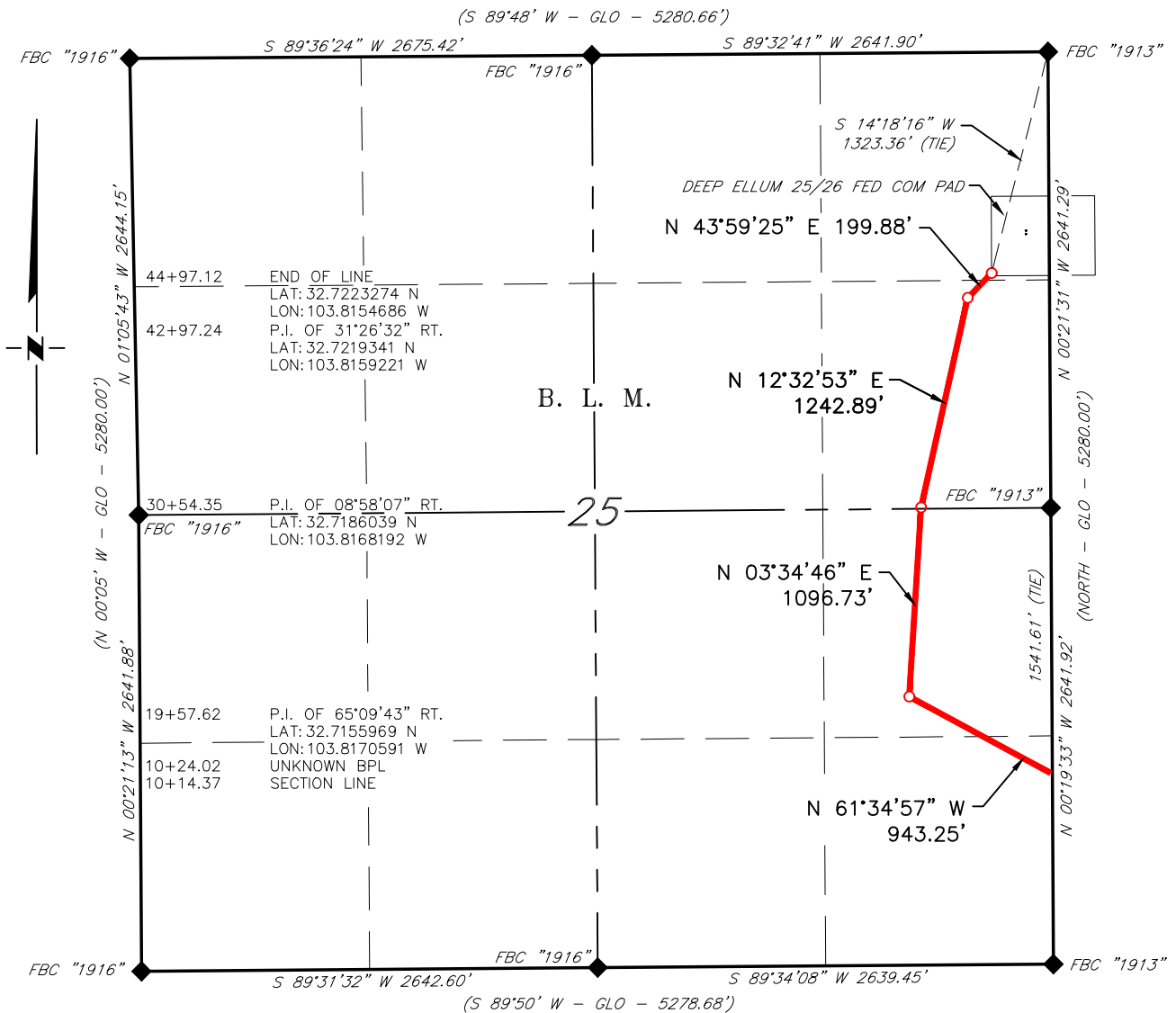


NO.	REVISION	DATE
JOB NO.: LS24100838		
DWG. NO.: 24100838-2		



SCALE: 1" = 1000'
DATE: 10/09/2024
SURVEYED BY: ML/JH
DRAWN BY: CG
APPROVED BY: RMH
SHEET: 2 OF 4

MEWBOURNE OIL COMPANY CHOCTAW BINGO/DEEP ELLUM UTILITY LINE TO DEEP ELLUM BATTERY SECTION 25, T18S, R31E N. M. P. M., EDDY COUNTY, NEW MEXICO



SECTION TOTAL(S)			
QUARTER/QUARTER	FEET	RODS	ACRES
SE 1/4 SE 1/4	457.14'	27.706	0.315
NE 1/4 SE 1/4	1,574.97'	95.453	1.085
SE 1/4 NE 1/4	1,393.28'	84.441	0.960
NE 1/4 NE 1/4	57.36'	3.476	0.039
TOTAL	3,482.75'	211.076	2.399

SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND

() RECORD DATA - GLO
 ◆ FOUND MONUMENT AS NOTED
 — PROPOSED PIPELINE

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680



NO.	REVISION	DATE
JOB NO.: LS24100838		
DWG. NO.: 24100838-3		



SCALE: 1" = 1000'
DATE: 10/09/2024
SURVEYED BY: ML/JH
DRAWN BY: CG
APPROVED BY: RMH
SHEET: 3 OF 4

**MEWBOURNE OIL COMPANY
 CHOCTAW BINGO/DEEP ELLUM UTILITY LINE TO DEEP ELLUM BATTERY
 SECTION 25, T18S, R31E
 N. M. P. M., EDDY COUNTY, NEW MEXICO**

DESCRIPTION

A strip of land 30 feet wide, being 3,482.75 feet or 211.076 rods in length, lying in Section 25, Township 18 South, Range 31 East, N. M. P. M., Eddy County, New Mexico, being 15 feet left and 15 feet right of the following described survey of a centerline across B. L. M. land:

BEGINNING at Engr. Sta. 10+14.37, a point on the East line of Section 25, which bears, S 00°19'33" E, 1,541.61 feet, from a brass cap, stamped "1913", found for the East quarter corner of Section 25;

Thence N 61°34'57" W, 943.25 feet, to Engr. Sta. 19+57.62, a P. I. of 65°09'43" right;

Thence N 03°34'46" E, 1,096.73 feet, to Engr. Sta. 30+54.35, a P. I. of 08°58'07" right;

Thence N 12°32'53" E, 1,242.89 feet, to Engr. Sta. 42+97.24, a P. I. of 31°26'32" right;

Thence N 43°59'25" E, 199.88 feet, to Engr. Sta. 44+97.12, the End of Survey, a point in the Northeast quarter of Section 25, which bears, S 14°18'16" W, 1,323.36 feet, from a brass cap, stamped "1913", found for the Northeast corner of Section 25.

Said strip of land contains 2.399 acres, more or less, and is allocated by forties as follows:

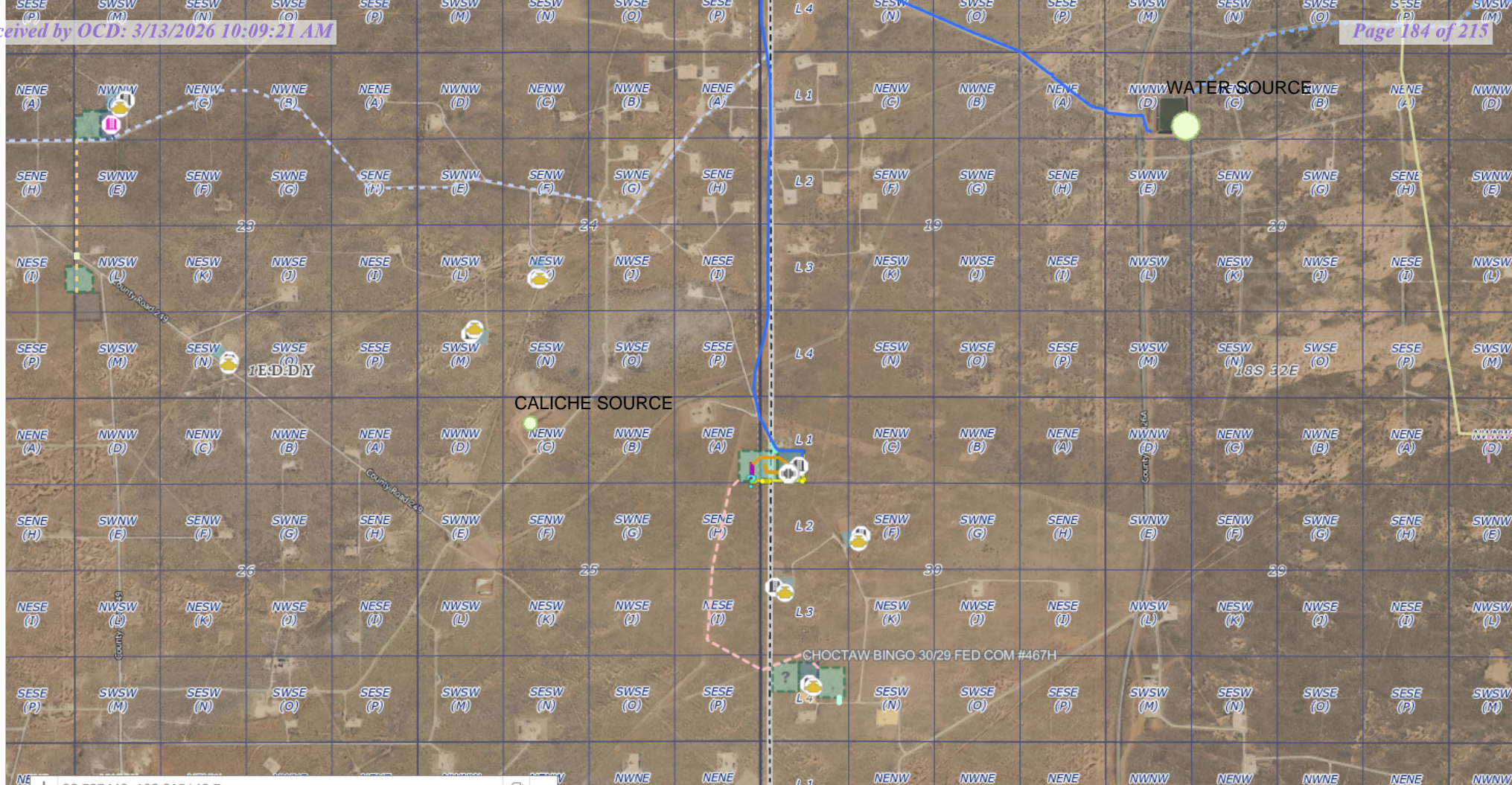
SE 1/4 SE 1/4	457.14 Feet	27.706 Rods	0.315 Acres
NE 1/4 SE 1/4	1,574.97 Feet	95.453 Rods	1.085 Acres
SE 1/4 NE 1/4	1,393.28 Feet	84.441 Rods	0.960 Acres
NE 1/4 NE 1/4	57.36 Feet	3.476 Rods	0.039 Acres

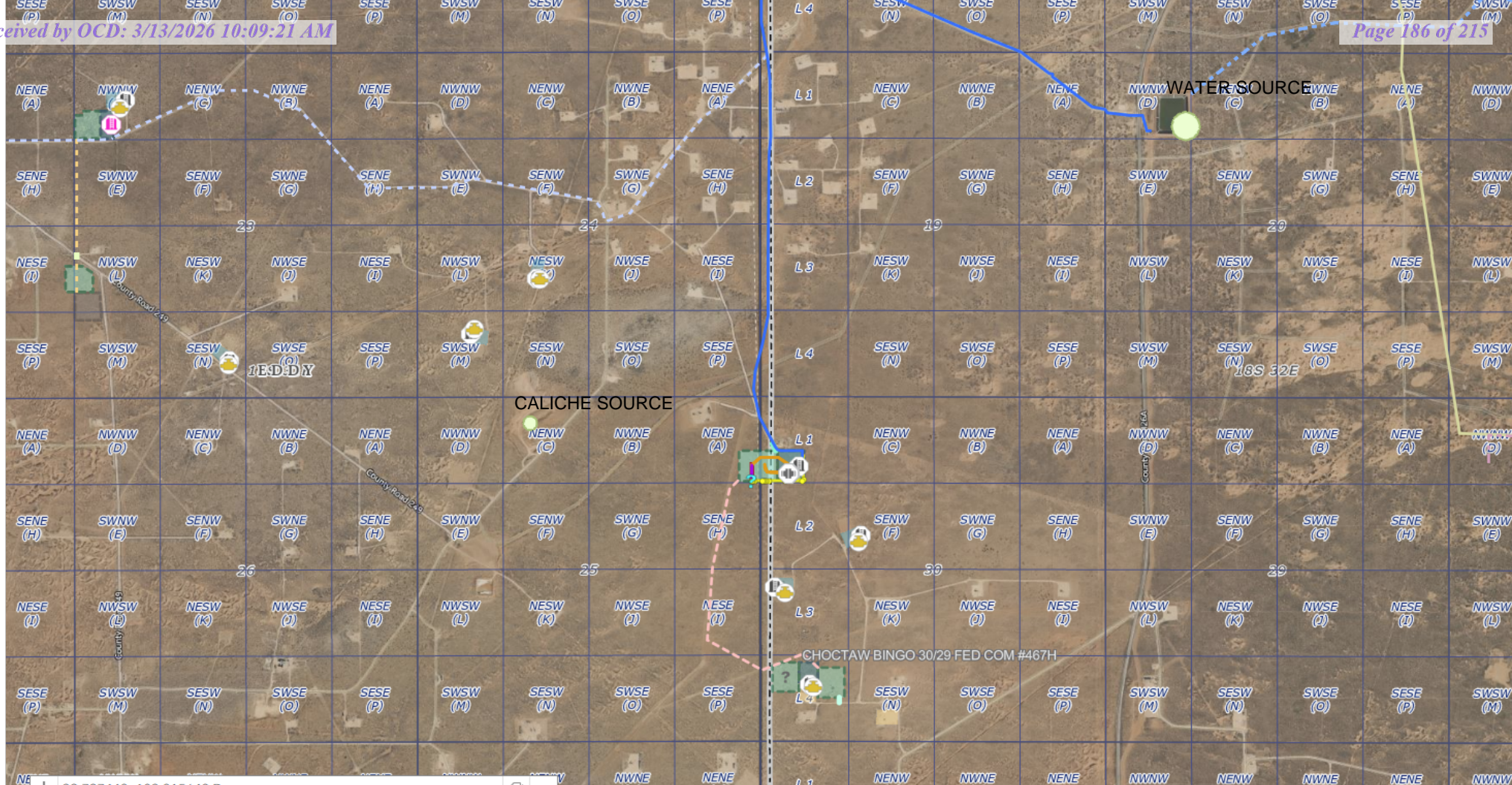
NO.	REVISION	DATE
JOB NO.: LS24100838		
DWG. NO.: 24100838-4		



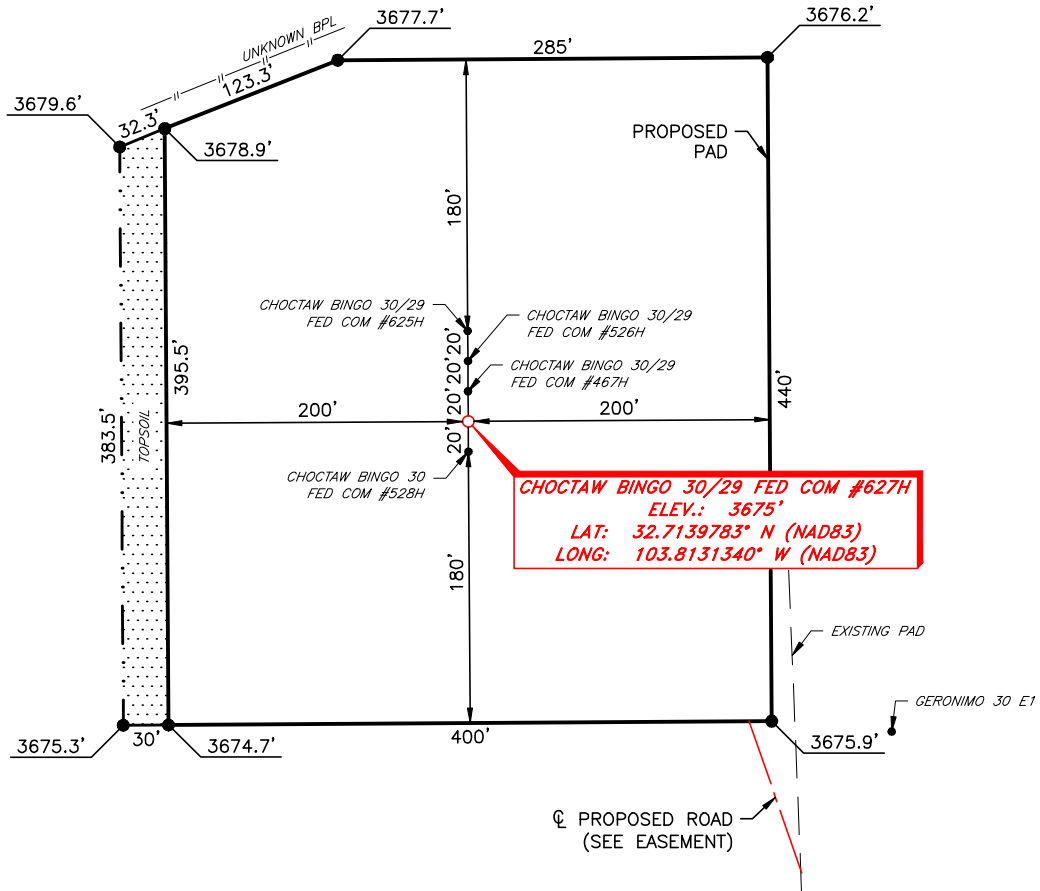
RRC
 ENERGY SERVICES, LLC.
 701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 10/09/2024
SURVEYED BY: ML/JH
DRAWN BY: CG
APPROVED BY: RMH
SHEET: 4 OF 4





MEWBOURNE OIL COMPANY
CHOCTAW BINGO . FED COM #627H
(965' FSL & 380' FWL)
SECTION 30, T18S, R32E
N. M. P. M., LEA COUNTY, NEW MEXICO



PAD
 173,437.06 SQ. FT.
 3.982 ACRES

DIRECTIONS TO LOCATION

- From the intersection of N.M. Hwy 529 & CR #126A (Maljamar Rd.);
- Go Southwest on CR #126A approx. 5.8 miles to a lease road on the right;
- Turn right and go Southwest approx. 0.8 miles to a lease road on the right;
- Turn right and go North approx 0.1 miles, road curves left;
- Turn left and go West approx. 0.3 miles to a proposed road at the West side of an existing pad;
- Go Northwest approx. 0.1 miles to location on the left.

SCALE: 1" = 100'
 0 50' 100'
 BEARINGS ARE
 NAD 83 GRID - NM EAST
 DISTANCES ARE
 GROUND.

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this unclassified survey of a well location from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
 Robert M. Howett NM PS 19680



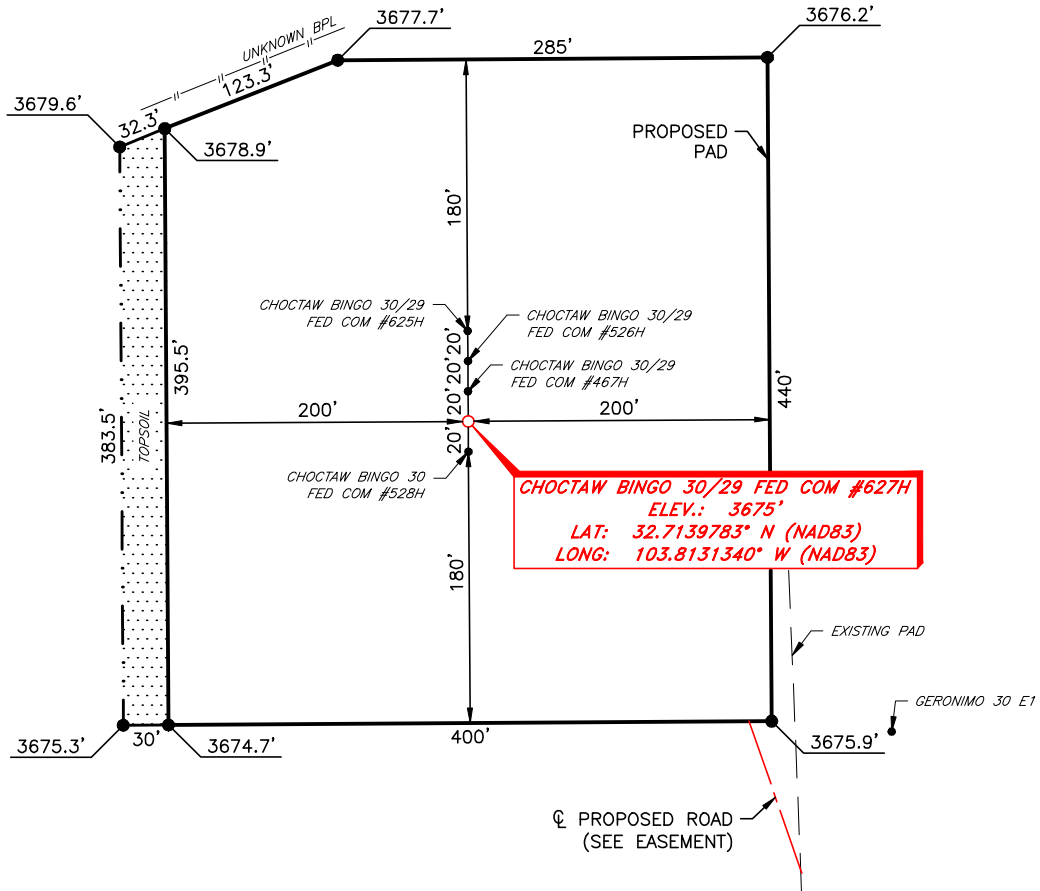
NO.	REVISION	DATE
JOB NO.: LS24090788		
DWG. NO.: 24090788-4		



701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'
DATE: 09/27/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1

MEWBOURNE OIL COMPANY
CHOCTAW BINGO . FED COM #627H
(965' FSL & 380' FWL)
SECTION 30, T18S, R32E
N. M. P. M., LEA COUNTY, NEW MEXICO



PAD
 173,437.06 SQ. FT.
 3.982 ACRES

DIRECTIONS TO LOCATION

From the intersection of N.M. Hwy 529 & CR #126A (Maljamar Rd.);
 Go Southwest on CR #126A approx. 5.8 miles to a lease road on the right;
 Turn right and go Southwest approx. 0.8 miles to a lease road on the right;
 Turn right and go North approx 0.1 miles, road curves left;
 Turn left and go West approx. 0.3 miles to a proposed road at the West side of an existing pad;
 Go Northwest approx. 0.1 miles to location on the left.



SCALE: 1" = 100'
 0 50' 100'
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 NAD 83 GRID - NM EAST
 DISTANCES ARE
 GROUND.

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Robert M. Howett
 Robert M. Howett NM PS 19680



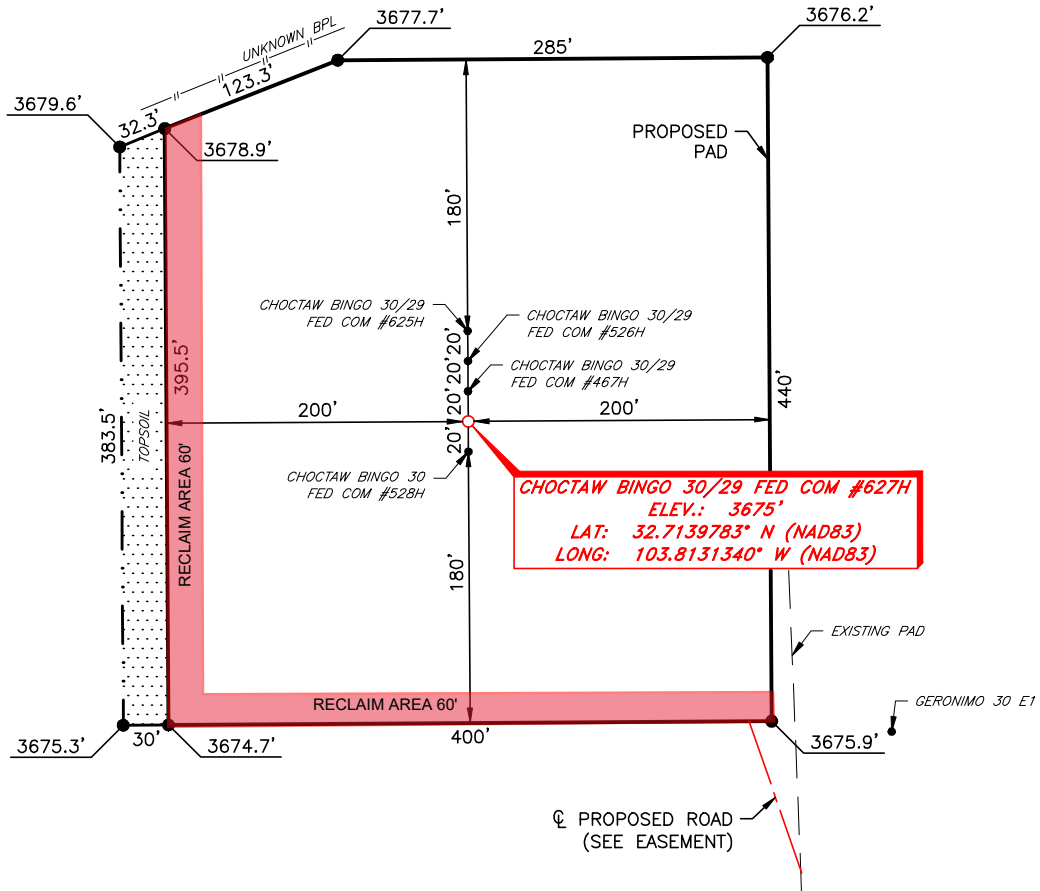
NO.	REVISION	DATE
JOB NO.: LS24090788		
DWG. NO.: 24090788-4		



701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'
DATE: 09/27/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1

MEWBOURNE OIL COMPANY
CHOCTAW BINGO FED COM #627H
 (965' FSL & 380' FWL)
 SECTION 30, T18S, R32E
 N. M. P. M., LEA COUNTY, NEW MEXICO



PAD
 173,437.06 SQ. FT.
 3.982 ACRES

DIRECTIONS TO LOCATION

From the intersection of N.M. Hwy 529 & CR #126A (Maljamar Rd.);
 Go Southwest on CR #126A approx. 5.8 miles to a lease road on the right;
 Turn right and go Southwest approx. 0.8 miles to a lease road on the right;
 Turn right and go North approx 0.1 miles, road curves left;
 Turn left and go West approx. 0.3 miles to a proposed road at the West side
 of an existing pad;
 Go Northwest approx. 0.1 miles to location on the left.

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Robert M. Howett
 Robert M. Howett NM PS 19680



SCALE: 1" = 100'
 0 50' 100'
 BEARINGS ARE
 NAD 83 GRID - NM EAST
 DISTANCES ARE
 GROUND.

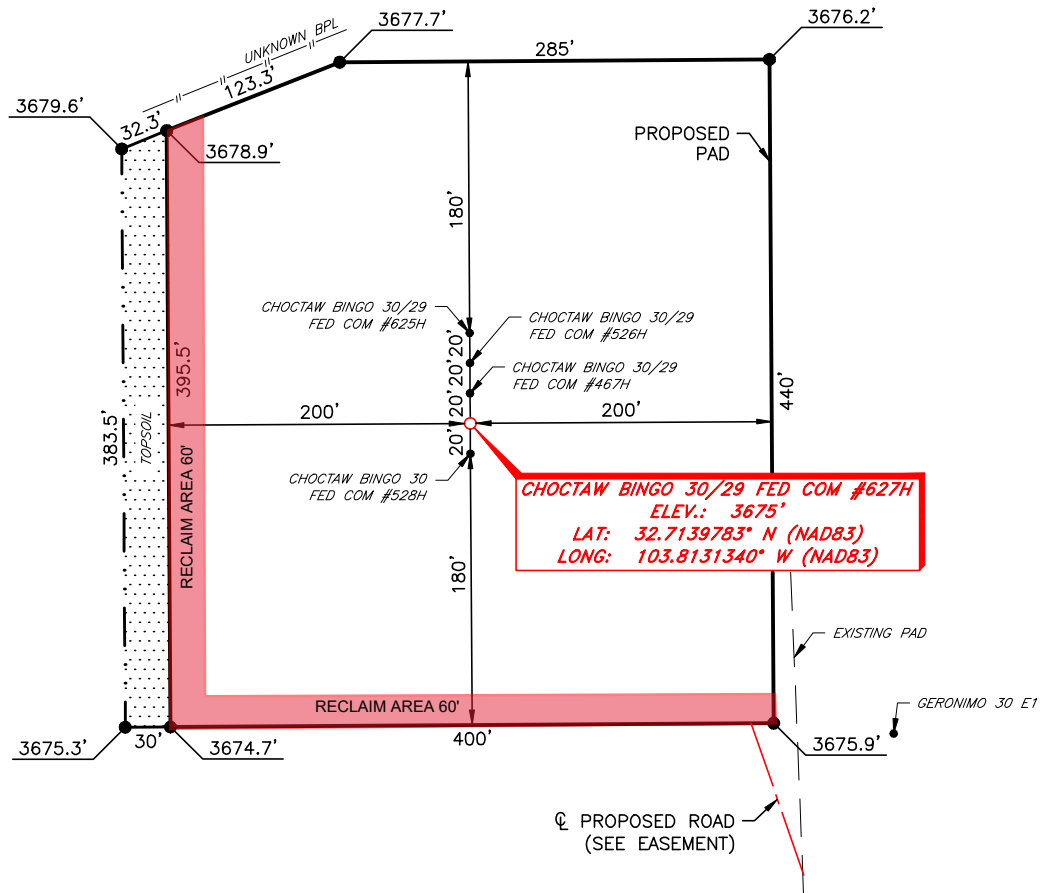
NO.	REVISION	DATE
JOB NO.: LS24090788		
DWG. NO.: 24090788-4		



701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'
DATE: 09/27/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1

**MEWBOURNE OIL COMPANY
CHOCTAW BINGO FED COM #627H
(965' FSL & 380' FWL)
SECTION 30, T18S, R32E
N. M. P. M., LEA COUNTY, NEW MEXICO**



PAD
173,437.06 SQ. FT.
3.982 ACRES

DIRECTIONS TO LOCATION

- From the intersection of N.M. Hwy 529 & CR #126A (Maljamar Rd.);
- Go Southwest on CR #126A approx. 5.8 miles to a lease road on the right;
- Turn right and go Southwest approx. 0.8 miles to a lease road on the right;
- Turn right and go North approx 0.1 miles, road curves left;
- Turn left and go West approx. 0.3 miles to a proposed road at the West side of an existing pad;
- Go Northwest approx. 0.1 miles to location on the left.

SCALE: 1" = 100'
0 50' 100'
BEARINGS ARE
NAD 83 GRID - NM EAST
DISTANCES ARE
GROUND.

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this unclassified survey of a well location from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680



NO.	REVISION	DATE

JOB NO.: LS24090788
DWG. NO.: 24090788-4

RRC
ENERGY SERVICES, LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'
DATE: 09/27/2024
SURVEYED BY: ML/JH
DRAWN BY: AR
APPROVED BY: RMH
SHEET: 1 OF 1



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

PWD Data Report

03/11/2026

APD ID: 10400103701

Submission Date: 02/21/2025

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD Surface Owner Description:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Lined pit Monitor description:

Lined pit Monitor

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres):

PWD surface owner:

Other PWD Surface Owner Description:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

Do you propose to put the produced water to beneficial use?

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Precipitated Solids Permit

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

State

Unlined Produced Water Pit Estimated

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD Surface Owner Description:

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number:

Injection well name:

Assigned injection well API number?

Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD Surface Owner Description :

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

PWD Surface Owner Description:

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements



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

Bond Info Data

03/11/2026

APD ID: 10400103701

Submission Date: 02/21/2025

Highlighted data reflects the most recent changes
[Show Final Text](#)

Operator Name: MEWBOURNE OIL COMPANY

Well Name: CHOCTAW BINGO FED COM

Well Number: 627H

Well Type: OIL WELL

Well Work Type: Drill

Bond

Federal/Indian APD: FED

BLM Bond number: NMB106714150

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:



RE: Overlapping Spacing Units - Choctaw Bingo

From Michael Lee <michael@raybawoperating.com>

Date Thu 3/12/2026 4:34 PM

To Mitch Robb <mrobb@mewbourne.com>

Mitch,

Raybaw Operating, LLC is in agreement for Mewbourne's Choctaw Bingo wells to have overlapping spacing units with Raybaw's Nana 30 wells located in Section 30-T18S-32E, Lea County, NM.

Please let me know if you need anything additionally.

Michael Lee

214-600-9185



From: Mitch Robb <mrobb@mewbourne.com>

Sent: Thursday, March 12, 2026 3:52 PM

To: Michael Lee <michael@raybawoperating.com>

Subject: Overlapping Spacing Units - Choctaw Bingo

Michael,

Mewbourne is planning to spud it's Choctaw Bingo wells in the S/2 of Sections 29/30-T18S-R32E, Lea County, NM, targeting the Bone Spring formation.

Raybaw currently operates it's Nana 30 wells in the S/2 of Section 30, also producing from the Bone Spring formation.

When you get a chance, could you please respond to this email confirming that Raybaw is agreeable to Mewbourne's Choctaw Bingo having overlapping spacing units with Raybaw's Nana 30 wells?

If you have any questions, please let me know.

Thanks,

Mitch Robb

Landman

Mewbourne Oil Company

414 West Texas Avenue

Midland, TX 79701

Office (432) 682-3715

Cell (918) 200-4242

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

Well Name: CHOCTAW BINGO 30/29
FED COM

Well Location: T18S / R32E / SEC 30 /
LOT 4 / 32.7139783 / -103.813134

County or Parish/State: LEA /
NM

Well Number: 627H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM94192

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: MEWBOURNE OIL
COMPANY

Notice of Intent

Sundry ID: 2892583

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 01/23/2026

Time Sundry Submitted: 10:00

Date proposed operation will begin: 01/23/2026

Procedure Description: Mewbourne Oil Company request that the following change be made to the Choctaw Bingo 30/29 Fed Com #627H(APD #10400103701): 1. Change acreage f/ 240 acres to 640 acres. Attached is updated C102.

NOI Attachments

Procedure Description

CHOCTAW_BINGO_FED_COM_627H_C102_1_20260123100009.pdf

CHOCTAW_BINGO_FED_COM_627H_acreage_sundry_20260123100009.pdf

Well Name: CHOCTAW BINGO 30/29
FED COM

Well Location: T18S / R32E / SEC 30 /
LOT 4 / 32.7139783 / -103.813134

County or Parish/State: LEA /
NM

Well Number: 627H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM94192

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: MEWBOURNE OIL
COMPANY

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: ERIK NOGUEZ

Signed on: JAN 23, 2026 10:00 AM

Name: MEWBOURNE OIL COMPANY

Title: Engineer

Street Address: 4801 BUSINESS PARK BLVD

City: HOBBS

State: NM

Phone: (806) 202-0207

Email address: ENOGUEZ@MEWBOURNE.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Accepted

Disposition Date: 02/20/2026

Signature: Chris Walls

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No.
2. Name of Operator		9. API Well No.
3a. Address	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State

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

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

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

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Location of Well

0. SHL: LOT 4 / 965 FSL / 380 FWL / TWSP: 18S / RANGE: 32E / SECTION: 30 / LAT: 32.7139783 / LONG: -103.813134 (TVD: 0 feet, MD: 0 feet)

PPP: LOT 4 / 660 FSL / 100 FWL / TWSP: 18S / RANGE: 32E / SECTION: 30 / LAT: 32.7131417 / LONG: -103.8140434 (TVD: 9642 feet, MD: 9673 feet)

PPP: SWSE / 660 FSL / 2678 FWL / TWSP: 18S / RANGE: 32E / SECTION: 30 / LAT: 32.7131265 / LONG: -103.8056638 (TVD: 9947 feet, MD: 12342 feet)

PPP: SWSW / 659 FSL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 29 / LAT: 32.7131103 / LONG: -103.7970817 (TVD: 9998 feet, MD: 14983 feet)

BHL: SESE / 660 FSL / 100 FEL / TWSP: 18S / RANGE: 32E / SECTION: 29 / LAT: 32.7130768 / LONG: -103.7802116 (TVD: 10099 feet, MD: 20172 feet)

CONFIDENTIAL

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
	Submittal Type:	<input type="checkbox"/> Initial Submittal <input checked="" type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number 30-025-56057	Pool Code 41450	Pool Name LUSK; BONE SPRING, NORTH
Property Code 338981	Property Name CHOCTAW BINGO 30/29 FED COM	Well Number 627H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Ground Level Elevation 3675'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	30	18S	32E	4	965 FSL	380 FWL	32.7139783°N	103.8131340°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	29	18S	32E		660 FSL	100 FEL	32.7130768°N	103.7802116°W	LEA

Dedicated Acres 640	Infill or Defining Well INFILL	Defining Well API Choctaw Bingo 30/29 Fed Com #526H	Overlapping Spacing Unit (Y/N) Y	Consolidation Code C
Order Numbers. R-23766			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	30	18S	32E	4	660 FSL	10 FWL	32.7131422°N	103.8143360°W	LEA

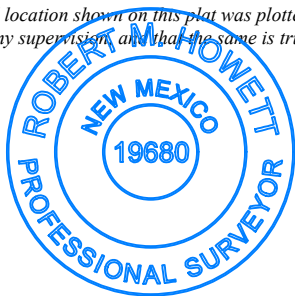
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	30	18S	32E	4	660 FSL	100 FWL	32.7131417°N	103.8140434°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	29	18S	32E		660 FSL	100 FEL	32.7130768°N	103.7802116°W	LEA

Unitized Area or Area of Uniform Interest N/A	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3675'
--	--	--------------------------------------

<p>OPERATOR CERTIFICATIONS</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p> <p><i>Brett Miller</i> 02/11/2025</p>	<p>SURVEYOR CERTIFICATIONS</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.</i></p> <div style="text-align: center;">  </div>
Signature Brett Miller	Signature and Seal of Professional Surveyor <i>Robert M. Howett</i>
Date 02/11/2025	
Printed Name brett.miller@mewbourne.com	Certificate Number 19680
Email Address	Date of Survey 09/27/2024

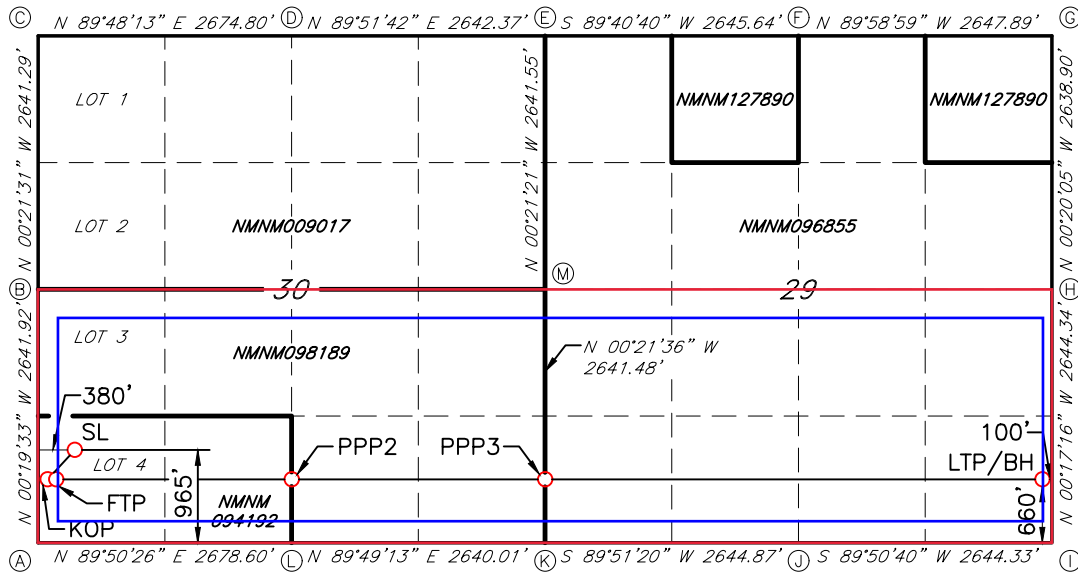
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

CHOCTAW BINGO 30/29 FED COM #627H



GEODETTIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)
N: 623869.3 - E: 701331.9

LAT: 32.7139783° N
LONG: 103.8131340° W

KICK OFF POINT (KOP)
660' FSL - 10' FWL SEC. 30
N: 623563.3 - E: 700963.7

LAT: 32.7131422° N
LONG: 103.8143360° W

FIRST TAKE POINT (FTP)
660' FSL - 100' FWL SEC. 30
N: 623563.5 - E: 701053.7

LAT: 32.7131417° N
LONG: 103.8140434° W

PROPOSED PENETRATION POINT 2 (PPP2)
660' FSL - 2678' FWL SEC. 30
N: 623570.7 - E: 703631.0

LAT: 32.7131265° N
LONG: 103.8056638° W

PROPOSED PENETRATION POINT 3 (PPP3)
659' FSL - 0' FWL SEC. 29
N: 623578.1 - E: 706270.7

LAT: 32.7131103° N
LONG: 103.7970817° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)
N: 623592.6 - E: 711459.5

LAT: 32.7130768° N
LONG: 103.7802116° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1913"
N: 622903.4 - E: 700957.5

B: FOUND BRASS CAP "1913"
N: 625544.7 - E: 700942.5

C: FOUND BRASS CAP "1913"
N: 628185.3 - E: 700925.9

D: FOUND BRASS CAP "1913"
N: 628194.5 - E: 703600.1

E: FOUND BRASS CAP "1913"
N: 628200.9 - E: 706241.8

F: FOUND BRASS CAP "1913"
N: 628215.7 - E: 708886.8

G: FOUND BRASS CAP "1913"
N: 628214.9 - E: 711534.1

H: FOUND BRASS CAP "1913"
N: 625576.7 - E: 711549.5

I: FOUND BRASS CAP "1913"
N: 622933.0 - E: 711562.8

J: FOUND BRASS CAP "1913"
N: 622925.8 - E: 708919.1

K: FOUND BRASS CAP "1913"
N: 622919.2 - E: 706274.8

L: FOUND BRASS CAP "1913"
N: 622910.9 - E: 703635.5

M: FOUND BRASS CAP "1913"
N: 625560.0 - E: 706258.2

JOB #: LS24090788D1



Mewbourne Oil Company

Sundry Request:

Mewbourne Oil Company request that the following change be made to the Choctaw Bingo 30/29 Fed Com #627H(APD #10400103701):

1. Change acreage f/ 240 acres to 640 acres.

Attached is updated C102.

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

Well Name: CHOCTAW BINGO FED COM

Well Location: T18S / R32E / SEC 30 / LOT 4 / 32.7139783 / -103.813134

County or Parish/State: LEA / NM

Well Number: 627H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM94192

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: MEWBOURNE OIL COMPANY

Notice of Intent

Sundry ID: 2885844

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 12/08/2025

Time Sundry Submitted: 02:43

Date proposed operation will begin: 12/12/2025

Procedure Description: Sundry Request: Mewbourne Oil Company request that the following change be made to the CHOCTAW BINGO FED COM #627H (APD ID#: 10400103701): 1. Change name from CHOCTAW BINGO FED COM #627H to CHOCTAW BINGO 30/29 FED COM #627H. Attached is the updated C102 reflecting this name change.

NOI Attachments

Procedure Description

CHOCTAW_BINGO_30_29_FED_COM_627H_C102_20251208144251.pdf

Name_change_sundry_description_20251208144251.pdf

Well Name: CHOCTAW BINGO FED
COM

Well Location: T18S / R32E / SEC 30 /
LOT 4 / 32.7139783 / -103.813134

County or Parish/State: LEA /
NM

Well Number: 627H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM94192

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: MEWBOURNE OIL
COMPANY

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: ALEX GARZA

Signed on: DEC 08, 2025 02:43 PM

Name: MEWBOURNE OIL COMPANY

Title: ENGINEER

Street Address: 1401 EAST NAVAJO DRIVE APT 3801

City: HOBBS

State: NM

Phone: (580) 727-5116

Email address: ALEX.GARZA@MEWBOURNE.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: PAMELLA HERNANDEZ

BLM POC Title: LIE

BLM POC Phone: 5752345954

BLM POC Email Address: PHERNANDEZ@BLM.GOV

Disposition: Approved

Disposition Date: 12/09/2025

Signature: Cody Layton Assistant Field Manager

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

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

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

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

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Location of Well

0. SHL: LOT 4 / 965 FSL / 380 FWL / TWSP: 18S / RANGE: 32E / SECTION: 30 / LAT: 32.7139783 / LONG: -103.813134 (TVD: 0 feet, MD: 0 feet)

PPP: LOT 4 / 660 FSL / 100 FWL / TWSP: 18S / RANGE: 32E / SECTION: 30 / LAT: 32.7131417 / LONG: -103.8140434 (TVD: 9642 feet, MD: 9673 feet)

PPP: SWSE / 660 FSL / 2678 FWL / TWSP: 18S / RANGE: 32E / SECTION: 30 / LAT: 32.7131265 / LONG: -103.8056638 (TVD: 9947 feet, MD: 12342 feet)

PPP: SWSW / 659 FSL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 29 / LAT: 32.7131103 / LONG: -103.7970817 (TVD: 9998 feet, MD: 14983 feet)

BHL: SESE / 660 FSL / 100 FEL / TWSP: 18S / RANGE: 32E / SECTION: 29 / LAT: 32.7130768 / LONG: -103.7802116 (TVD: 10099 feet, MD: 20172 feet)

CONFIDENTIAL

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
	Submittal Type: <input type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled	

WELL LOCATION INFORMATION

API Number	Pool Code 41450	Pool Name LUSK; BONE SPRING, NORTH
Property Code	Property Name CHOCTAW BINGO 30/29 FED COM	Well Number 627H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Ground Level Elevation 3675'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	30	18S	32E	4	965 FSL	380 FWL	32.7139783°N	103.8131340°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	29	18S	32E		660 FSL	100 FEL	32.7130768°N	103.7802116°W	LEA

Dedicated Acres 640	Infill or Defining Well INFILL	Defining Well API Choctaw Bingo 30/29 Fed Com #526H	Overlapping Spacing Unit (Y/N) Y	Consolidation Code C
Order Numbers. R-23766			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	30	18S	32E	4	660 FSL	10 FWL	32.7131422°N	103.8143360°W	LEA

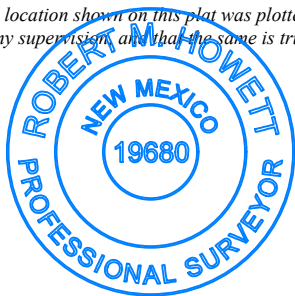
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	30	18S	32E	4	660 FSL	100 FWL	32.7131417°N	103.8140434°W	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	29	18S	32E		660 FSL	100 FEL	32.7130768°N	103.7802116°W	LEA

Unitized Area or Area of Uniform Interest N/A	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3675'
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<p>OPERATOR CERTIFICATIONS</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p> <p><i>Brett Miller</i> 02/11/2025</p>	<p>SURVEYOR CERTIFICATIONS</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.</i></p> <div style="text-align: center;">  </div>
Signature Brett Miller	Signature and Seal of Professional Surveyor <i>Robert M. Howett</i>
Date 02/11/2025	Certificate Number 19680
Printed Name brett.miller@mewbourne.com	Date of Survey 09/27/2024
Email Address	

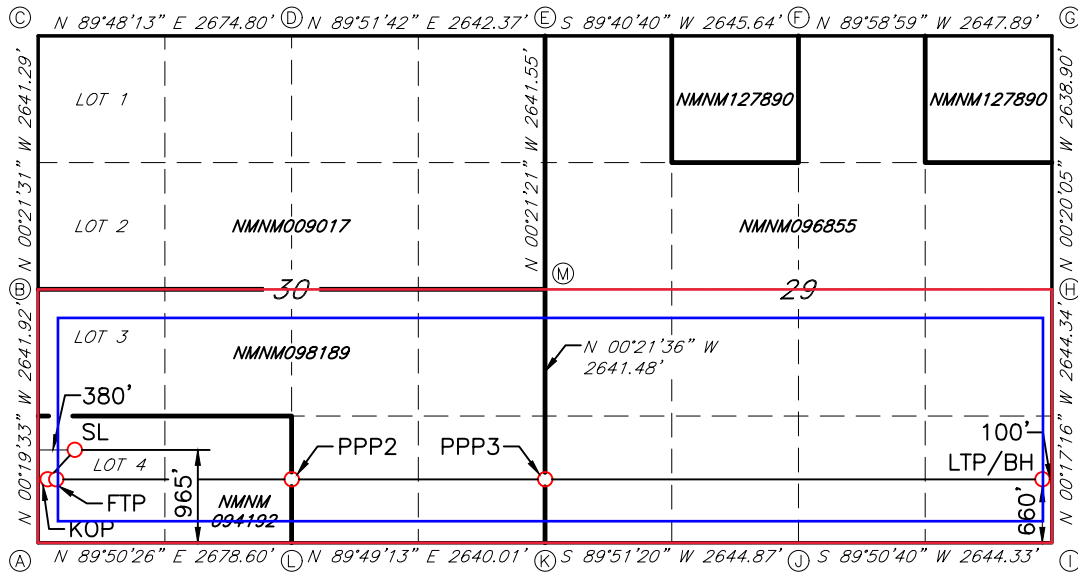
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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

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

CHOCTAW BINGO 30/29 FED COM #627H



GEODETTIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)
N: 623869.3 - E: 701331.9

LAT: 32.7139783° N
LONG: 103.8131340° W

KICK OFF POINT (KOP)
660' FSL - 10' FWL SEC. 30
N: 623563.3 - E: 700963.7

LAT: 32.7131422° N
LONG: 103.8143360° W

FIRST TAKE POINT (FTP)
660' FSL - 100' FWL SEC. 30
N: 623563.5 - E: 701053.7

LAT: 32.7131417° N
LONG: 103.8140434° W

PROPOSED PENETRATION POINT 2 (PPP2)
660' FSL - 2678' FWL SEC. 30
N: 623570.7 - E: 703631.0

LAT: 32.7131265° N
LONG: 103.8056638° W

PROPOSED PENETRATION POINT 3 (PPP3)
659' FSL - 0' FWL SEC. 29
N: 623578.1 - E: 706270.7

LAT: 32.7131103° N
LONG: 103.7970817° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)
N: 623592.6 - E: 711459.5

LAT: 32.7130768° N
LONG: 103.7802116° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1913"
N: 622903.4 - E: 700957.5

B: FOUND BRASS CAP "1913"
N: 625544.7 - E: 700942.5

C: FOUND BRASS CAP "1913"
N: 628185.3 - E: 700925.9

D: FOUND BRASS CAP "1913"
N: 628194.5 - E: 703600.1

E: FOUND BRASS CAP "1913"
N: 628200.9 - E: 706241.8

F: FOUND BRASS CAP "1913"
N: 628215.7 - E: 708886.8

G: FOUND BRASS CAP "1913"
N: 628214.9 - E: 711534.1

H: FOUND BRASS CAP "1913"
N: 625576.7 - E: 711549.5

I: FOUND BRASS CAP "1913"
N: 622933.0 - E: 711562.8

J: FOUND BRASS CAP "1913"
N: 622925.8 - E: 708919.1

K: FOUND BRASS CAP "1913"
N: 622919.2 - E: 706274.8

L: FOUND BRASS CAP "1913"
N: 622910.9 - E: 703635.5

M: FOUND BRASS CAP "1913"
N: 625560.0 - E: 706258.2

JOB #: LS24090788D1



Mewbourne Oil Company

Sundry Request:

Mewbourne Oil Company request that the following change be made to the CHOCTAW BINGO FED COM #627H (APD ID#: 10400103701):

1. Change name from CHOCTAW BINGO FED COM #627H to CHOCTAW BINGO 30/29 FED COM #627H.

Attached is the updated C102 reflecting this name change.

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 562784

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 562784
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
-------------------------------------	--

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Phone: (505) 476-3441

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

COMMENTS

Action 562784

COMMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 562784
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

COMMENTS

Created By	Comment	Comment Date
matthew.gomez	Change of Plans included within submission.	3/16/2026

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 562784

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 562784
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
enoguez	Cement is required to circulate on both surface and intermediate1 strings of casing.	3/13/2026
matthew.gomez	If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If strata isolation is not achieved, remediation will be required before further operations may commence.	3/16/2026
matthew.gomez	All conducted logs must be submitted to the OCD.	3/16/2026
matthew.gomez	Cement must be in place for at least eight hours AND achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	3/16/2026
matthew.gomez	Administrative order required for non-standard spacing unit prior to production.	3/17/2026
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	3/17/2026
matthew.gomez	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.	3/17/2026
matthew.gomez	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.	3/17/2026
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.	3/17/2026