AFMSS

U.S. Department of the Interior
Bureau of Land Management

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: 8 file(s)
  -- Blowout Prevention BOP Diagram Attachment: 2 file(s)
  -- Casing Design Assumptions and Worksheet(s): 2 file(s)
  -- Hydrogen sulfide drilling operations plan: 2 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 11 file(s)
  -- Other Facets: 5 file(s)
  -- Other Variances: 2 file(s)

- SUPO Report
- SUPO Attachments
  -- Existing Road Map: 2 file(s)
  -- Attach Well map: 2 file(s)
  -- Production Facilities map: 8 file(s)
  -- Water source and transportation map: 2 file(s)
  -- Well Site Layout Diagram: 4 file(s)
  -- Recontouring attachment: 2 file(s)
  -- Other SUPO Attachment: 3 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

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

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

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

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

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.
30-025-55338

3a. Address

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.
2. A Drilling Plan.
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).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 09/22/2025

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 wen, 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 directionany 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 wen 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 win 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 conects this information to anow 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 Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Approval Date: 09/22/2025

Additional Operator Remarks

Location of Well

0. SHL: NENE / 264 FNL / 1177 FEL / TWSP: 24S / RANGE: 32E / SECTION: 11 / LAT: 32.238706 / LONG: -103.640621 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 100 FNL / 660 FEL / TWSP: 24S / RANGE: 32E / SECTION: 11 / LAT: 32.239166 / LONG: -103.63895 (TVD: 9514 feet, MD: 9531 feet)

PPP: NENE / 2642 FNL / 661 FEL / TWSP: 24S / RANGE: 32E / SECTION: 14 / LAT: 32.23218 / LONG: -103.638955 (TVD: 10114 feet, MD: 12218 feet)

PPP: NENE / 0 FNL / 648 FEL / TWSP: 24S / RANGE: 32E / SECTION: 14 / LAT: 32.22488 / LONG: -103.638962 (TVD: 10117 feet, MD: 14874 feet)

PPP: SESE / 1321 FNL / 660 FEL / TWSP: 24S / RANGE: 32E / SECTION: 14 / LAT: 32.214031 / LONG: -103.638971 (TVD: 10121 feet, MD: 18821 feet)

BHL: SESE / 100 FSL / 660 FEL / TWSP: 24S / RANGE: 32E / SECTION: 14 / LAT: 32.210676 / LONG: -103.638973 (TVD: 10123 feet, MD: 20041 feet)

BLM Point of Contact

Name: JANET D ESTES
Title: ADJUDICATOR
Phone: (575) 234-6233
Email: JESTES@BLM.GOV

DOS EQUIS 11-14 FEDERAL COM 154H

APD - Geology COAs (Not in Potash or WIPP)

- For at least one well per pad (deepest well within initial development preferred) the record of the drilling rate (ROP) along with the Gamma Ray (GR) and Neutron (CNL) well logs run from TVD to surface in the vertical section of the hole shall be submitted to the BLM office as well as all other logs run on the full borehole 30 days from completion. Any other logs run on the wellbore, excluding cement remediation, should also be sent. Only digital copies of the logs in .TIF or .LAS formats are necessary; paper logs are no longer required. Logs shall be emailed to blm-cfo-geology@doimspp.onmicrosoft.com. Well completion report should have .pdf copies of any CBLs or Temp Logs run on the wellbore.

- Exceptions: In areas where there is extensive log coverage (in particular the salt zone adjacent to a pad), Operators are encouraged to contact BLM Geologists to discuss if additional GR and N logs are necessary on a pad. Operator may request a waiver of the GR and N log requirement due to good well control or other reasons to be approved by BLM Geologist prior to well completion. A waiver approved by BLM must be attached to completion well report to satisfy COAs.

- The top of the Rustler, top and bottom of the Salt, and the top of the Capitan Reef (if present) are to be recorded on the Completion Report.

Be aware that:

- H2S has been reported within one mile of the proposed project. Measurements up to 500 ppm were recorded from the Delaware Group.

Questions? Contact Thomas Evans, BLM Geologist at 575-234-5965 or tvevans@blm.gov

PECOS DISTRICT

SURFACE USE

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CIMAREX ENERGY COMPANY
LEASE NO.:	NMNM02889
COUNTY:	Lea County, New Mexico

Wells:

Existing DOS EQUIS 11-14 FEDERAL COM W2E2-E Well Pad

DOS EQUIS 11-14 FEDERAL COM 153H
Surface Hole Location: 708' FNL & 2537' FEL, Section 11, T. 24 S., R. 32 E.
Bottom Hole Location: 100' FSL & 1980' FEL, Section 14, T. 24 S, R. 32 E.

DOS EQUIS 11-14 FEDERAL COM 213H
Surface Hole Location: 708' FNL & 2517' FEL, Section 11, T. 24 S., R. 32 E.
Bottom Hole Location: 100' FSL & 1520' FEL, Section 14, T. 24 S, R. 32 E.

DOS EQUIS 11-14 FEDERAL COM 303H
Surface Hole Location: 708' FNL & 2497' FEL, Section 11, T. 24 S., R. 32 E.
Bottom Hole Location: 100' FSL & 1613' FEL, Section 14, T. 24 S, R. 32 E.

Existing DOS EQUIS 11-14 FEDERAL COM E2E2 Well Pad

DOS EQUIS 11-14 FEDERAL COM 154H
Surface Hole Location: 264' FNL & 1177' FEL, Section 11, T. 24 S., R. 32 E.
Bottom Hole Location: 100' FSL & 660' FEL, Section 14, T. 24 S, R. 32 E.

DOS EQUIS 11-14 FEDERAL COM 214H
Surface Hole Location: 264' FNL & 1157' FEL, Section 11, T. 24 S., R. 32 E.
Bottom Hole Location: 100' FSL & 342' FEL, Section 14, T. 24 S, R. 32 E.

DOS EQUIS 11-14 FEDERAL COM 304H
Surface Hole Location: 264' FNL & 1137' FEL, Section 11, T. 24 S., R. 32 E.
Bottom Hole Location: 100' FSL & 342' FEL, Section 14, T. 24 S, R. 32 E.

Approval Date: 09/22/2025

TABLE OF CONTENTS

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

2.3 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.

2.4 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).

3. CONSTRUCTION REQUIRENMENTS

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 exclosure 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 exclosure 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 ACESS 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

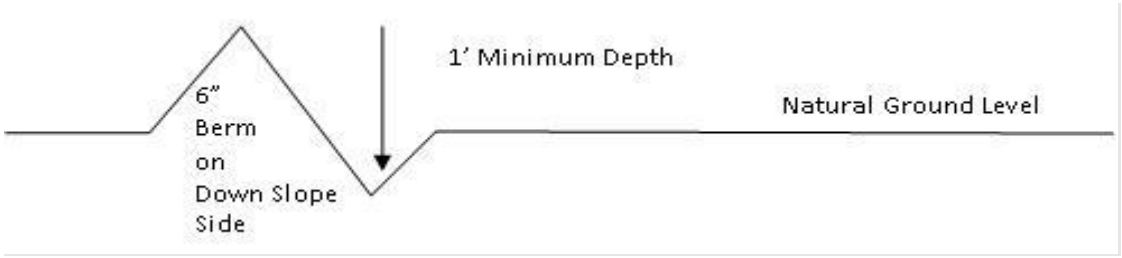
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

3.7.6 Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, 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:

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

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

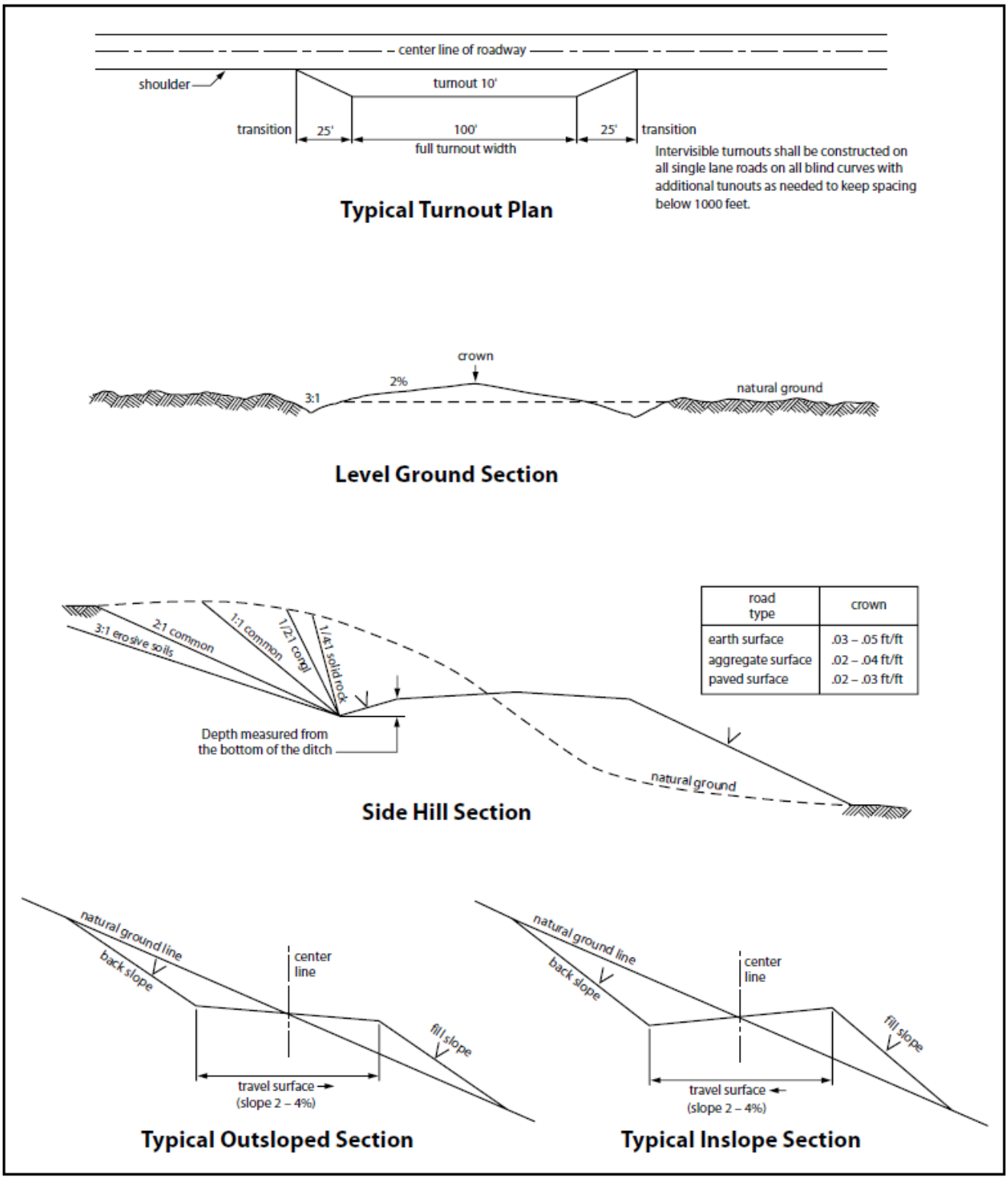


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

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/permitee 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 2, for Sandy Site

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

Species	lb/acre
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

*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:	**Cimarex Energy Company**
LOCATION:	Section 11, T.24 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	**Dos Equis 11-14 Federal Com 154H**
ATS/API ID:	**ATS-25-2081**
APD ID:	**10400106148**
Sundry ID:	**N/a**

COA

H2S	No		
Potash	None	None	
Cave/Karst Potential	Low		
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☐ Flex Hose	☐ Other
Wellhead	Conventional and Multibowl		
Other	☐ 4 String ☐ 5 String	Capitan Reef: None	☐ WIPP
Other	Pilot Hole: None	☐ Open Annulus	
Cementing	Contingency Squeeze: None	Echo-Meter: None	Primary Cement Squeeze: None
Special Requirements	☐ Water Disposal/Injection	☑ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention: Waste MP	
Special Requirements Variance	☐ BOPE Break Testing ☐ Offline BOPE Testing	☐ Offline Cementing	☐ Casing Clearance

Approval Date: 09/22/2025

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet **43 CFR part 3170 Subpart 3176**, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1270 feet** (a minimum of 70 feet into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (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.

    Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. 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.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

    - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
      Cement excess 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.

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.

Option 1:

a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.

b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** inch intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch 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.

a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record),

or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.

- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in **43 CFR part 3170 Subpart 3171**
- 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)

☑ Lea County
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
      - Notify the BLM when moving in and removing the Spudder Rig.
      - 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.
      - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

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-P 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 part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.

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:

    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. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
    e. 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.

    a. 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).

    b. 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.)

c. 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 part 3170 Subpart 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).

d. 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.

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

f. 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.

g. 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.

h. 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 part 3170 Subpart 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.

Long Vo (LVO) 9/8/2025

Approval Date: 09/22/2025

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

Operator Certification Data Report

09/23/2025

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: SHELLY BOWEN **Signed on:** 07/24/2025

Title: Regulatory Analyst

Street Address: 6001 DEAUVILLE BLVD STE 300N

City: MIDLAND **State:** TX **Zip:** 79706

Phone: (432)620-1644

Email address: DL_PBUREGULATORY@COTERRA.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

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

Application Data
09/23/2025

APD ID: 10400106148
Submission Date: 07/24/2025
Operator Name: CIMAREX ENERGY COMPANY
Well Name: DOS EQUIS 11-14 FEDERAL COM
Well Number: 154H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400106148
Tie to previous NOS? Y
Submission Date: 07/24/2025
BLM Office: Carlsbad
User: SHELLY BOWEN
Title: Regulatory Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM02889
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? Y
Permitting Agent? NO
APD Operator: CIMAREX ENERGY COMPANY
Operator letter of

Operator Info

Operator Organization Name: CIMAREX ENERGY COMPANY
Operator Address: 6001 DEAUVILLE BLVD STE 300N
Zip: 79706
Operator PO Box:
Operator City: MIDLAND
State: TX
Operator Phone: (303)295-3995
Operator Internet Address: hknauls@cimarex.com

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: DOS EQUIS 11-14 FEDERAL COM
Well Number: 154H
Well API Number:
Field/Pool or Exploratory? Field and Pool
Field Name: TRIST DRAW
Pool Name: Bone Spring

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS,OIL

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:** Dos Equis Fed Com **Number:** E2E2

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 28 Miles **Distance to nearest well:** 20 FT **Distance to lease line:** 384 FT

Reservoir well spacing assigned acres Measurement: 640 Acres

Well plat: DOS_EQUIS_11_14_FEDERAL_COM_E2E2_154H_C102_07232025_20250723121450.pdf

DOS_EQUIS_11_14_FEDERAL_COM_E2E2_154H_C102_07232025_20250828135102.pdf

Well work start Date: 10/15/2025 **Duration:** 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: **Reference Datum:** GROUND LEVEL

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	264	FNL	1177	FEL	24S	32E	11	Aliquot NENE	32.238706	-103.640621	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 02889	3603			Y
KOP Leg #1	100	FNL	660	FEL	24S	32E	11	Aliquot NENE	32.239166	-103.63895	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 02889	-5911	9531	9514	Y

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

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	100	FNL	660	FEL	24S	32E	11	Aliquot NENE	32.239166	-103.63895	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 02889	-5911	9531	9514	Y
PPP Leg #1-2	2642	FNL	661	FEL	24S	32E	14	Aliquot NENE	32.23218	-103.638955	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 01917	-6511	12218	10114	Y
PPP Leg #1-3	0	FNL	648	FEL	24S	32E	14	Aliquot NENE	32.22488	-103.638962	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 0553642	-6514	14874	10117	Y
PPP Leg #1-4	1321	FNL	660	FEL	24S	32E	14	Aliquot SESE	32.214031	-103.638971	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 033503	-6518	18821	10121	Y
EXIT Leg #1	100	FSL	660	FEL	24S	32E	14	Aliquot SESE	32.210676	-103.638973	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 033503	-6520	20041	10123	Y
BHL Leg #1	100	FSL	660	FEL	24S	32E	14	Aliquot SESE	32.210676	-103.638973	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 033503	-6520	20041	10123	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: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-55338	96603	Triste Draw; Bone Spring

Property Code	Property Name	Well Number
322999	DOS EQUIS 11-14 FED COM	154H

OGRID No.	Operator Name	Ground Level Elevation
215099	CIMAREX ENERGY CO.	3,603.1'

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

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
A	11	24S	32E		264 NORTH	1,177 EAST	32.238706°	-103.640621°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
P	14	24S	32E		100 SOUTH	660 EAST	32.210676°	-103.638973°	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Infill	30-025-55198	N	C

Order Numbers. Pending Well setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
A	11	24S	32E		100 NORTH	660 EAST	32.239166°	-103.638950°	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
A	11	24S	32E		100 NORTH	660 EAST	32.239166°	-103.638950°	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
P	14	24S	32E		100 SOUTH	660 EAST	32.210676°	-103.638973°	LEA

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NA	☒ Horizontal ☐ Vertical	3603

OPERATOR CERTIFICATIONS

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

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

Shelly Bowen 7/23/2025

Signature Date

Shelly Bowen

Printed Name

Shelly.Bowen@coterra.com

Email Address

SURVEYOR CERTIFICATIONS

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

PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 06-10-25

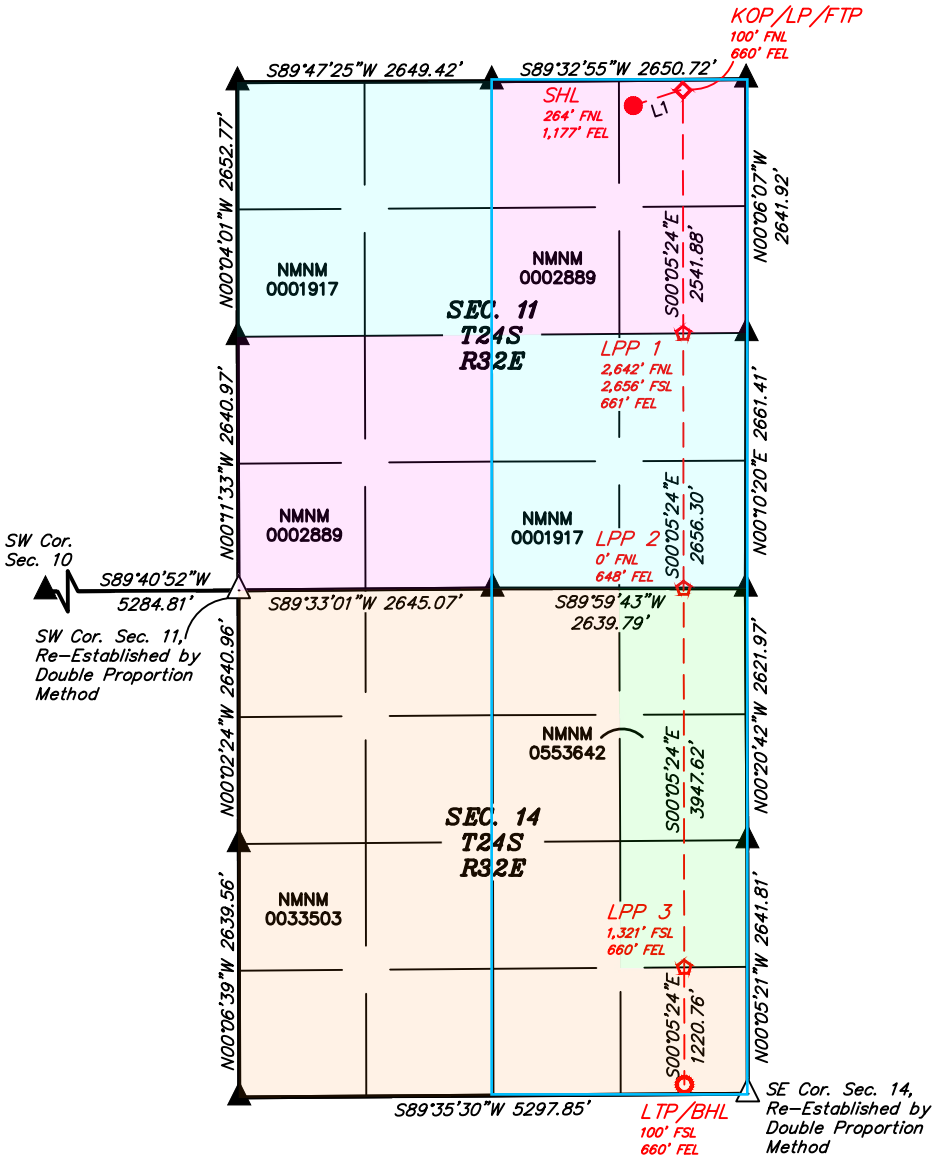
Signature and Seal of Professional Surveyor

23782 October 11, 2017

Certificate Number Date of Survey

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

Property Name	Well Number	Drawn By	Revised By
DOS EQUIS 11-14 FED COM	154H	H.S.S. 06-10-25	



● = SURFACE HOLE LOCATION

◇ = KICK OFF POINT/LANDING POINT /FIRST TAKE POINT

⬠ = LEASE PENETRATION POINT

○ = LAST TAKE POINT/ BOTTOM HOLE LOCATION

▲ = SECTION CORNER LOCATED

△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- Colored areas within section lines represent Federal oil & gas leases.
- Section breakdown information for this plat may be obtained from Uintah Engineering & Land Surveying.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N71°56'13"E	543.15'

2000' 1000' 0' 2000'

SCALE

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°14'19.34" (32.238706°)
LONGITUDE = -103°38'26.23" (-103.640621°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°14'18.90" (32.238583°)
LONGITUDE = -103°38'24.50" (-103.640140°)
STATE PLANE NAD 83 (N.M. EAST)
N: 451265.56' E: 755514.24'
STATE PLANE NAD 27 (N.M. EAST)
N: 451206.59' E: 714330.27'

NAD 83 (KOP/LP/FTP)
LATITUDE = 32°14'21.00" (32.239166°)
LONGITUDE = -103°38'20.22" (-103.638950°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°14'20.55" (32.239042°)
LONGITUDE = -103°38'18.49" (-103.638469°)
STATE PLANE NAD 83 (N.M. EAST)
N: 451436.11' E: 756029.82'
STATE PLANE NAD 27 (N.M. EAST)
N: 451377.13' E: 714845.85'

NAD 83 (LPP 1)
LATITUDE = 32°13'55.85" (32.232180°)
LONGITUDE = -103°38'20.24" (-103.638955°)
NAD 27 (LPP 1)
LATITUDE = 32°13'55.40" (32.232056°)
LONGITUDE = -103°38'18.51" (-103.638475°)
STATE PLANE NAD 83 (N.M. EAST)
N: 448894.72' E: 756044.45'
STATE PLANE NAD 27 (N.M. EAST)
N: 448835.80' E: 714860.38'

NAD 83 (LPP 2)
LATITUDE = 32°13'29.57" (32.224880°)
LONGITUDE = -103°38'20.26" (-103.638962°)
NAD 27 (LPP 2)
LATITUDE = 32°13'29.12" (32.224756°)
LONGITUDE = -103°38'18.53" (-103.638482°)
STATE PLANE NAD 83 (N.M. EAST)
N: 446238.93' E: 756059.75'
STATE PLANE NAD 27 (N.M. EAST)
N: 446180.08' E: 714875.55'

NAD 83 (LPP 3)
LATITUDE = 32°12'50.51" (32.214031°)
LONGITUDE = -103°38'20.29" (-103.638971°)
NAD 27 (LPP 3)
LATITUDE = 32°12'50.06" (32.213907°)
LONGITUDE = -103°38'18.57" (-103.638491°)
STATE PLANE NAD 83 (N.M. EAST)
N: 442292.08' E: 756082.47'
STATE PLANE NAD 27 (N.M. EAST)
N: 442233.32' E: 714898.10'

NAD 83 (LTP/BHL)
LATITUDE = 32°12'38.43" (32.210676°)
LONGITUDE = -103°38'20.30" (-103.638973°)
NAD 27 (LTP/BHL)
LATITUDE = 32°12'37.99" (32.210552°)
LONGITUDE = -103°38'18.58" (-103.638494°)
STATE PLANE NAD 83 (N.M. EAST)
N: 441071.55' E: 756089.49'
STATE PLANE NAD 27 (N.M. EAST)
N: 441012.82' E: 714905.07'

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

Drilling Plan Data Report
09/23/2025

APD ID: 10400106148
Submission Date: 07/24/2025
Operator Name: CIMAREX ENERGY COMPANY
Well Name: DOS EQUIS 11-14 FEDERAL COM
Well Number: 154H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16443210	RUSTLER	3603	1160	1160	LIMESTONE	USEABLE WATER	N
16443211	SALADO	2088	1515	1515	ANHYDRITE	NONE	N
16443212	BASE OF SALT	-1307	4910	4910	ANHYDRITE	NONE	N
16443213	LAMAR	-1307	4910	4910	SANDSTONE	NONE	N
16443214	BELL CANYON	-1407	5010	5010	SANDSTONE	NONE	N
16443215	CHERRY CANYON	-2497	6100	6100	SANDSTONE	NONE	N
16443216	BRUSHY CANYON	-3537	7140	7140	SANDSTONE	NATURAL GAS, OIL	N
16443217	BONE SPRING LIME	-5257	8860	8860	LIMESTONE	NATURAL GAS, OIL	N
16443218	AVALON SAND	-5367	8970	8970	SHALE	NATURAL GAS, OIL	N
16443219	BONE SPRING 1ST	-6327	9930	9930	SANDSTONE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M
Rating Depth: 20042

Equipment: 1. The multi-bowl wellhead will be installed by a vendor representative. A copy of the installation instructions has been sent to the BLM field office. 2. A packoff will be installed after running and cementing the production casing. This packoff will be tested to 10K psi.
Requesting Variance? YES

Variance request: See attached.

Testing Procedure: 1. Coterra requests permission to utilize a 5M annular BOP with a 10M BOP primary system. The 10M BOP system will include upper pipe rams, blind rams, and lower pipe rams, all tested to 10K, 100% of the rated working pressure. The annular element will be tested to 5K, 100% of the rated working pressure. As noted in the well control plan, if pressure approaches the rated working pressure of the 5K annular element while in use, the upper pipe rams will be closed, and the annular opened so as to not exceed the rated working pressures. 2. All BOP equipment will be tested utilizing a conventional test plug. 3. A

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

remote kill line is included in the BOPE system 4. All casing strings will be tested per Onshore Order #2, to 0.22 psi/ft or 1,500 psi, whichever is greater, not to exceed 70% of casing burst. 5. If well conditions dictate, conventional slips will be set and BOPE will be tested to appropriate pressures based on permitted pressure requirements.

Choke Diagram Attachment:

COTERRA_10M_MBU_3T_CFL_13.38_X_9.58_X_5.5_HBE1215DQ_20250723135841.pdf

10M_BOP_DIAGRAM_20250723135841.pdf

COTERRA_10K_PROD_TREE_20250723135841.pdf

CHOKE_HOSE_M15486_20250723135912.pdf

CHOKE_HOSE_M15486_20250828135243.pdf

10M_BOP_DIAGRAM_20250828135243.pdf

COTERRA_10M_MBU_3T_CFL_13.38_X_9.58_X_5.5_HBE1215DQ_20250828135243.pdf

COTERRA_10K_PROD_TREE_20250828135244.pdf

BOP Diagram Attachment:

10M_BOPE_BLM_SUBMISSION_REV.0_20250723135859.pdf

10M_BOPE_BLM_SUBMISSION_REV.0_20250828135332.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	14.75	13.375	NEW	API	N	0	1270	0	1270	3603	2333	1270	H-40	48	ST&C	1.35	3.16	BUOY	5.28	BUOY	5.28
2	INTERMEDIATE	9.875	9.625	NEW	API	N	0	4935	0	4935	3603	-1332	4935	J-55	40	BUTT	1.42	1.49	BUOY	3.19	BUOY	3.19
3	PRODUCTION	6.75	5.5	NEW	API	N	0	20042	0	10123	3603	-6520	20042	P-110	20	BUTT	2.4	2.67	BUOY	54.14	BUOY	54.14

Casing Attachments

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

154H_Casing_Assumptions_20250723140159.pdf

154H_Casing_Assumptions_20250828135411.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Section 4 - Cement

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

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
PRODUCTION	Tail		4735	20042	3064	1.3	14.2	3983	25	Tail: 50:50 (Poz:H)	+ Salt + Bentonite + Fluid Loss + Dispersant + SMS
SURFACE	Lead		0	970	616	1.72	13.5	1059	45	Class C	Bentonite
SURFACE	Tail		970	1270	165	1.34	14.8	221	45	Class C	LCM
INTERMEDIATE	Lead		0	3935	924	1.88	12.9	1737	51	Lead: 35:65 (Poz:C)	+ Salt + Bentonite
INTERMEDIATE	Tail		3935	4935	289	1.34	14.8	387	51	Class C	LCM

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: Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs

Describe the mud monitoring system utilized: PVT/Pason/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	1270	OTHER : Fresh water	7.8	8.3							
1270	4935	OTHER : Brine Water	9.83	10.33							

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

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
4935	20042	OIL-BASED MUD	8.3	8.8							

Section 6 - Test, Logging, Coring

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

No DST Planned. Logs run on 8H.

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

DIRECTIONAL SURVEY,

Coring operation description for the well:

N/A

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4632 **Anticipated Surface Pressure:** 2404

Anticipated Bottom Hole Temperature(F): 171

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

H2S_PLAN_REV.0_20250723141617.pdf
H2S_PLAN_REV.0_20250828135456.pdf

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

_7_23_2025_11_45_14_AM__WP___Coterra_Dos_Equis_11_14_Fed_Com_154H_Rev0_kFc_08Jul25_20250723141657.pdf

_7_23_2025_11_45_14_AM__Proposal_100____Coterra_Dos_Equis_11_14_Fed_Com_154H_Rev0_kFc_08Jul25_20250723141657.pdf

_7_23_2025_11_45_14_AM__Proposal___Coterra_Dos_Equis_11_14_Fed_Com_154H_Rev0_kFc_08Jul25_20250723141657.pdf

WELL_CONTROL_PLAN_REV.0_20250723141714.pdf

154H_Drilling_Plan_New_Mexico_20250724123844.pdf

_7_23_2025_11_45_14_AM__Proposal___Coterra_Dos_Equis_11_14_Fed_Com_154H_Rev0_kFc_08Jul25_20250828135538.pdf

_7_23_2025_11_45_14_AM__3D_ACSummary_10____Coterra_Dos_Equis_11_14_Fed_Com_154H_Rev0_kFc_08Jul25_20250828135538.pdf

_7_23_2025_11_45_14_AM__Proposal_100____Coterra_Dos_Equis_11_14_Fed_Com_154H_Rev0_kFc_08Jul25_20250828135538.pdf

_7_23_2025_11_45_14_AM__WP___Coterra_Dos_Equis_11_14_Fed_Com_154H_Rev0_kFc_08Jul25_20250828135538.pdf

154H_Drilling_Plan_New_Mexico_20250828135538.pdf

WELL_CONTROL_PLAN_REV.0_20250828135644.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

DOS_EQUIS_11_14_FEDERAL_COM_E2E2_location_layout_plat_20250723141734.pdf

DOS_EQUIS_11_14_FEDERAL_COM_E2E2_rig_layout_plat_20250723141734.pdf

DOS_EQUIS_11_14_FEDERAL_COM_E2E2_location_layout_plat_20250828140240.pdf

DOS_EQUIS_11_14_FEDERAL_COM_E2E2_rig_layout_plat_20250828140240.pdf

Dos_Equis_11_14_154H_Natural_Gas_Management_Plan_20250828140316.pdf

Other Variance request(s)?: Y

Other Variance attachment:

CHOKE_HOSE_M15486_20250723141755.pdf

CHOKE_HOSE_M15486_20250828140353.pdf

AustinHOSE

CERTIFICATE OF QUALITY

LTYY/QR-5.7.1-19B №: LT2024-156-001

Customer Name			
Product Name	Choke And Kill Hose		
Product Specification	3″×10000psi×35ft（10.67m）	Quantity	1PCS
Serial Number	VTC-7660257	FSL	FSL3
customer number	PO890145-001	Standard	API Spec 16C 3rd edition
Temperature Range	-29℃～+121℃	Inspection date	2024.09.03

Inspection Items	Inspection results
Appearance Checking	In accordance with API Spec 16C 3rd edition
Size and Lengths	In accordance with API Spec 16C 3rd edition
Dimensions and Tolerances	In accordance with API Spec 16C 3rd edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21st edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 17D 3rd edition
Hydrostatic Testing	In accordance with API Spec 16C 3rd edition
product Marking	In accordance with API Spec 16C 3rd edition
Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition
Remarks	16C-0403

Approver	Jane C	Auditor	Alice D	Inspector	Leo W

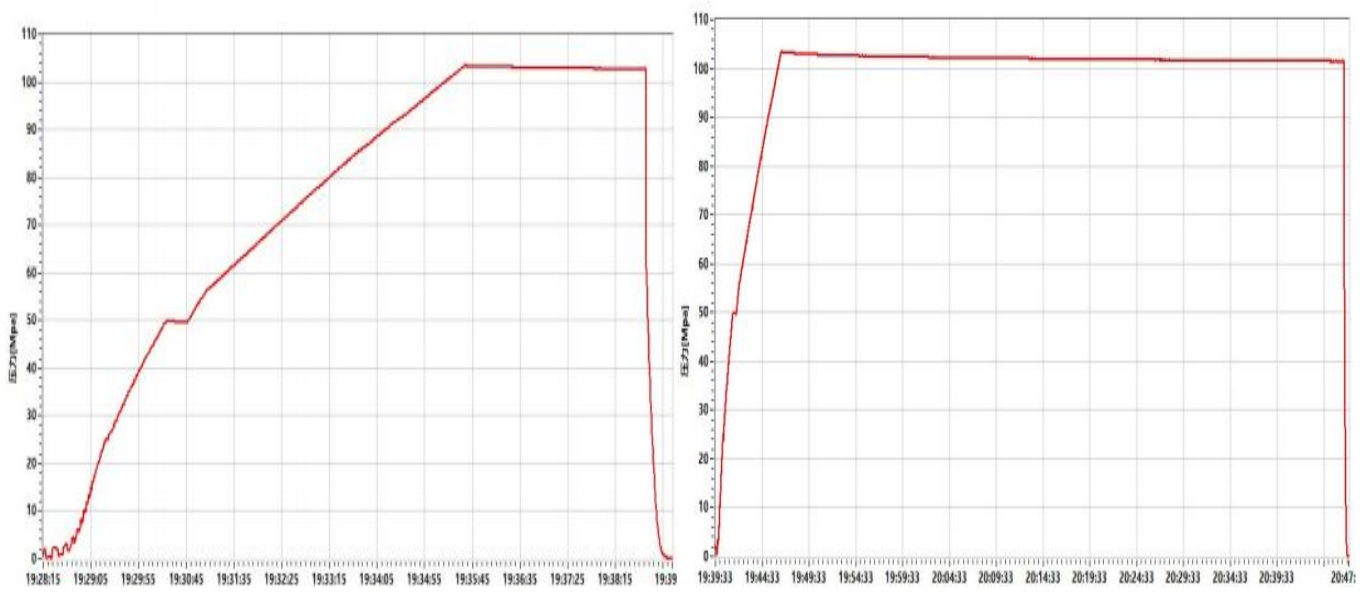
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD LETONE

HYDROSTATIC TESTING REPORT

LTYY/QR-5.7.1-28 №: 24090301

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3rd edition
Product Specification	3″×10000psi×35ft（10.67m）	Serial Number	VTC-7660257
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
customer number	PO890145-001	Inspection Date	2024.08.30
Rate of length change			
Standard requirements	At working pressure ,the rate of length change should not more than ±2%		
Testing result	10000psi (69.0MPa) ,Rate of length change 0.6%		
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 leakage.		
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 3rd edition 16C-0403				
Approver	Jane C	Auditor	Alice D	Inspector	Leo W

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF CONFORMANCE

№:LT24090307

Product Name：Choke And Kill Hose

Product Specification：3″×10000psi×35ft（10.67m）

Serial Number：VTC-7660257

customer number：PO890145-001

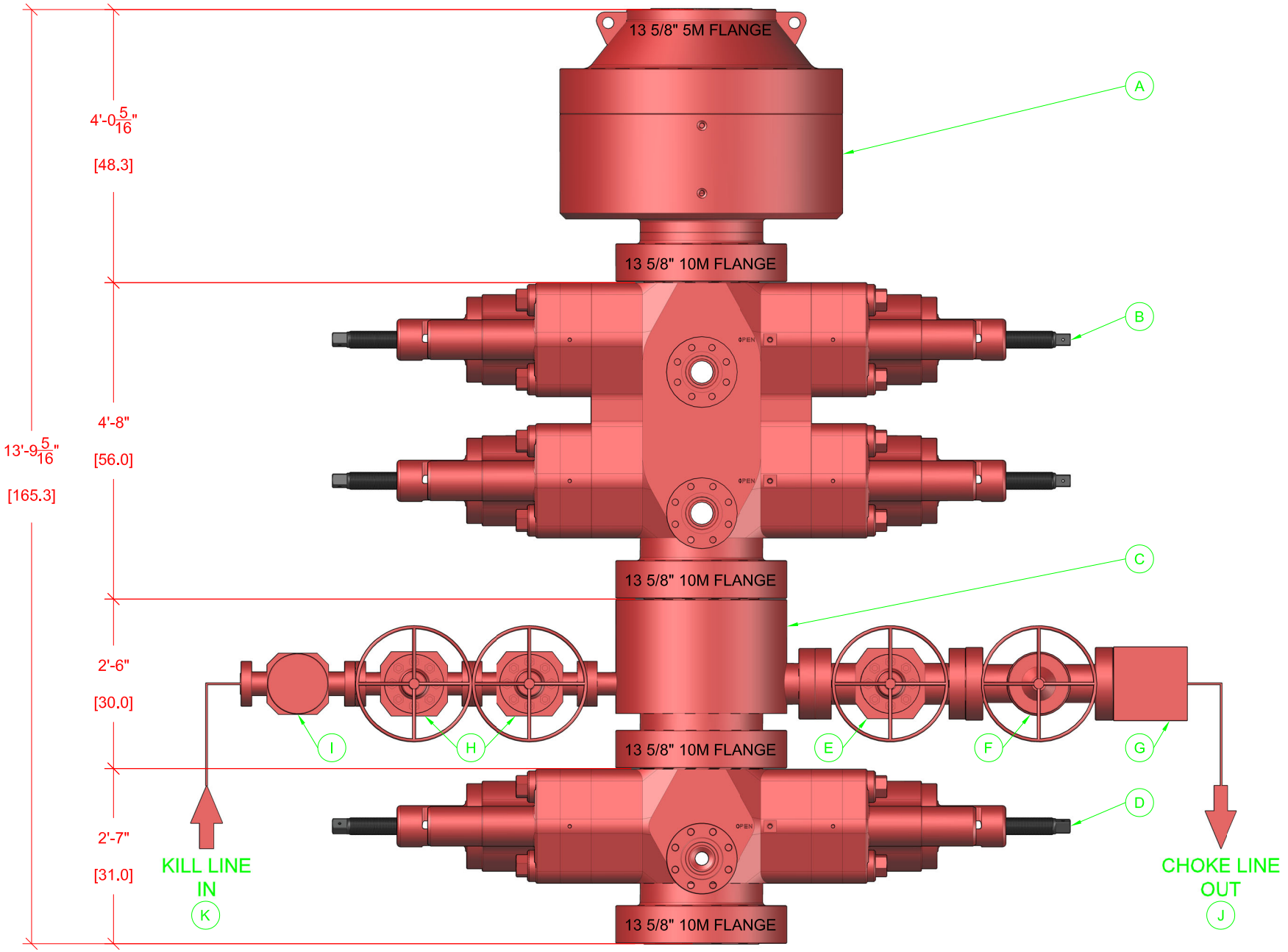
End Connections: 4-1/16″×10000psi Integral flange for sour gas service

The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD.in Sep,2024, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Sep 3, 2024. 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： Jane C Date:Sep 3, 2024

16C-0403

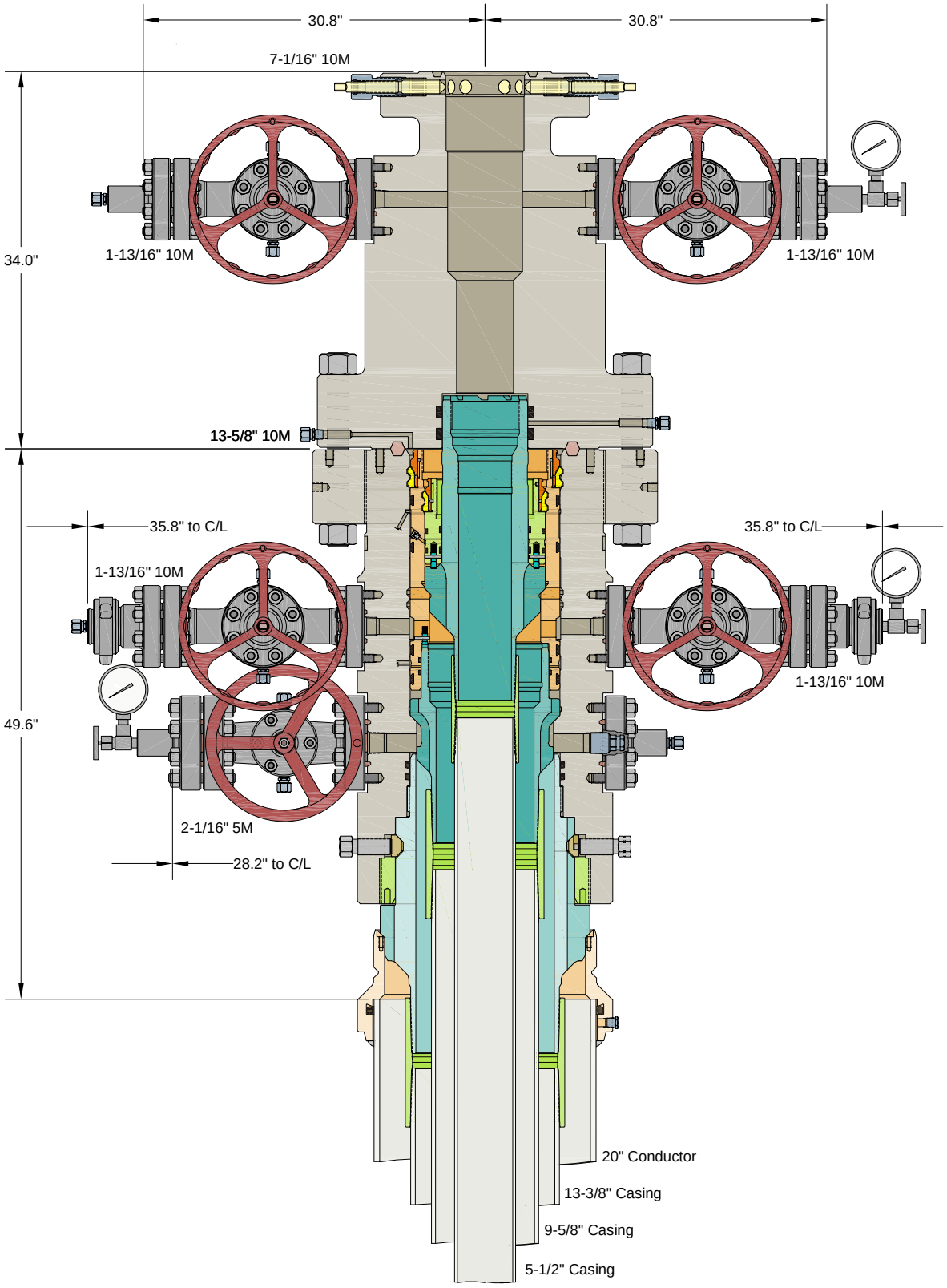
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	LETONE



BOP EQUIPMENT INFORMATION

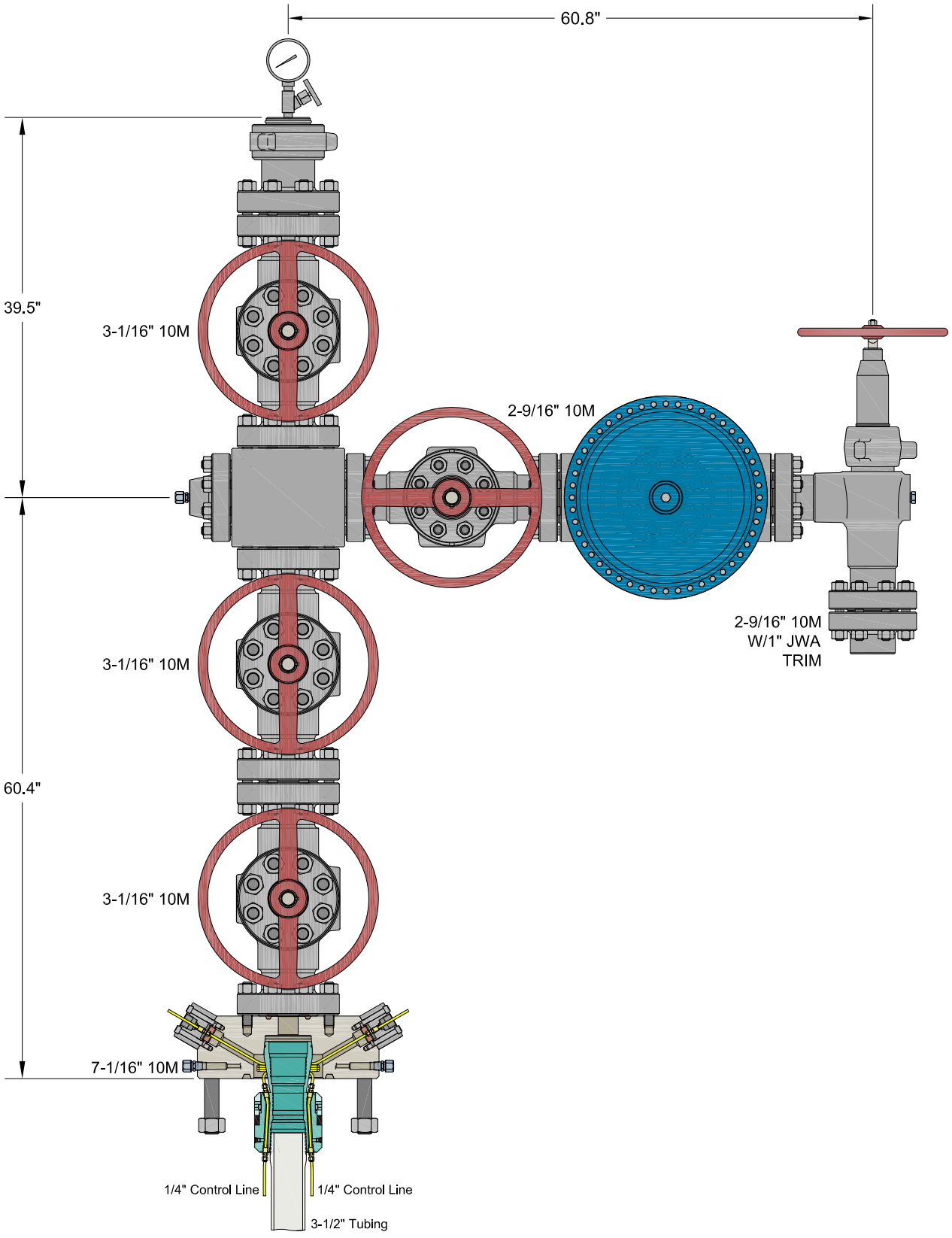
DESCRIPTION	MODEL	QTY
ANNULAR BOP	13 5/8" 5M	1
DOUBLE RAM BOP	13 5/8" 10M TYPE-U	1
MUD CROSS	13 5/8" 10M	1
SINGLE RAM BOP	13 5/8" 10M TYPE-U	1
GATE VALVE	4 1/16" 10M FC MANUAL	1
HCR VALVE	4 1/16" 10M HCR	1

ITEM	DESCRIPTION	MODEL	QTY
G	STUDDED BLOCK	4 1/16" 10M	1
H	GATE VALE	2 1/16" 10M FC MANUAL	2
I	CHECK VALVE	2 1/16" 10M	1
J	CHOKE HOSE	4 1/16" 10M	1
K	KILL HOSE	2 1/16" 10M	1
L			



ALL DIMENSIONS APPROXIMAT

CACTUS WELLHEAD LLC	CIMAREX HOBBS, NM
20" x 13-3/8" x 9-5/8" x 5-1/2" MBU-3T-CFL Wellhead Sys. With 13-5/8" 10M x 7-1/16" 10M CTH-DBLHPS Tubing Head And 9-5/8" & 5-1/2" Fluted Mandrel Casing Hangers	DRAWN VJK 01MAY24 APPRV DRAWING NO. HBE0001215



ALL DIMENSIONS APPROXIMATE

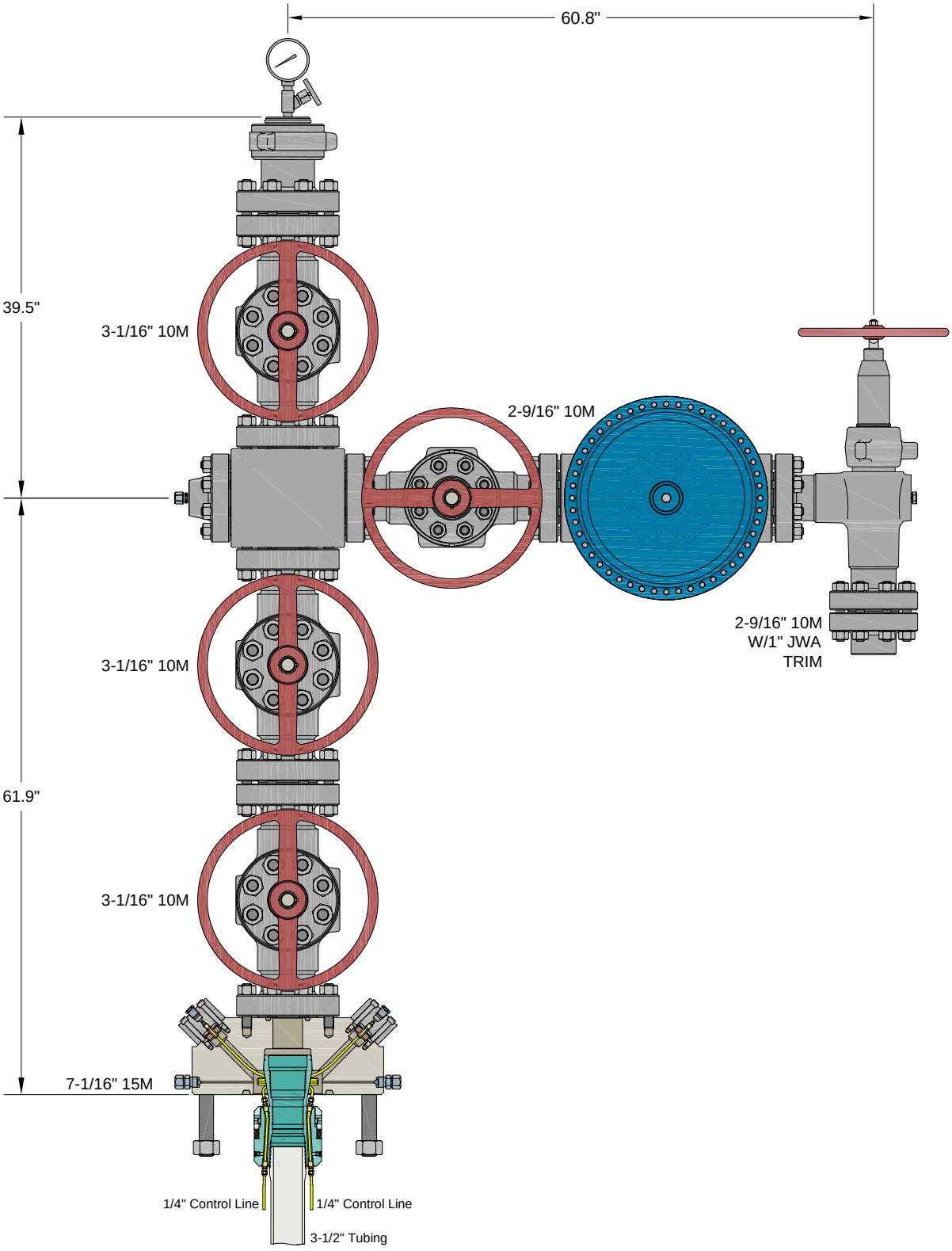
CACTUS WELLHEAD LLC

CIMAREX
HOBBS, NM

7-1/16" 10M x 3-1/16" x 2-9/16" 10M Production Tree Assembly
With 7-1/16" 10M x 3-1/16" 10M T40-CCL Tubing Head Adapter
And 7-1/16" 3-1/2" T40-CCL Tubing Hanger

DRAWN	VJK	05SEP23
APPRV		

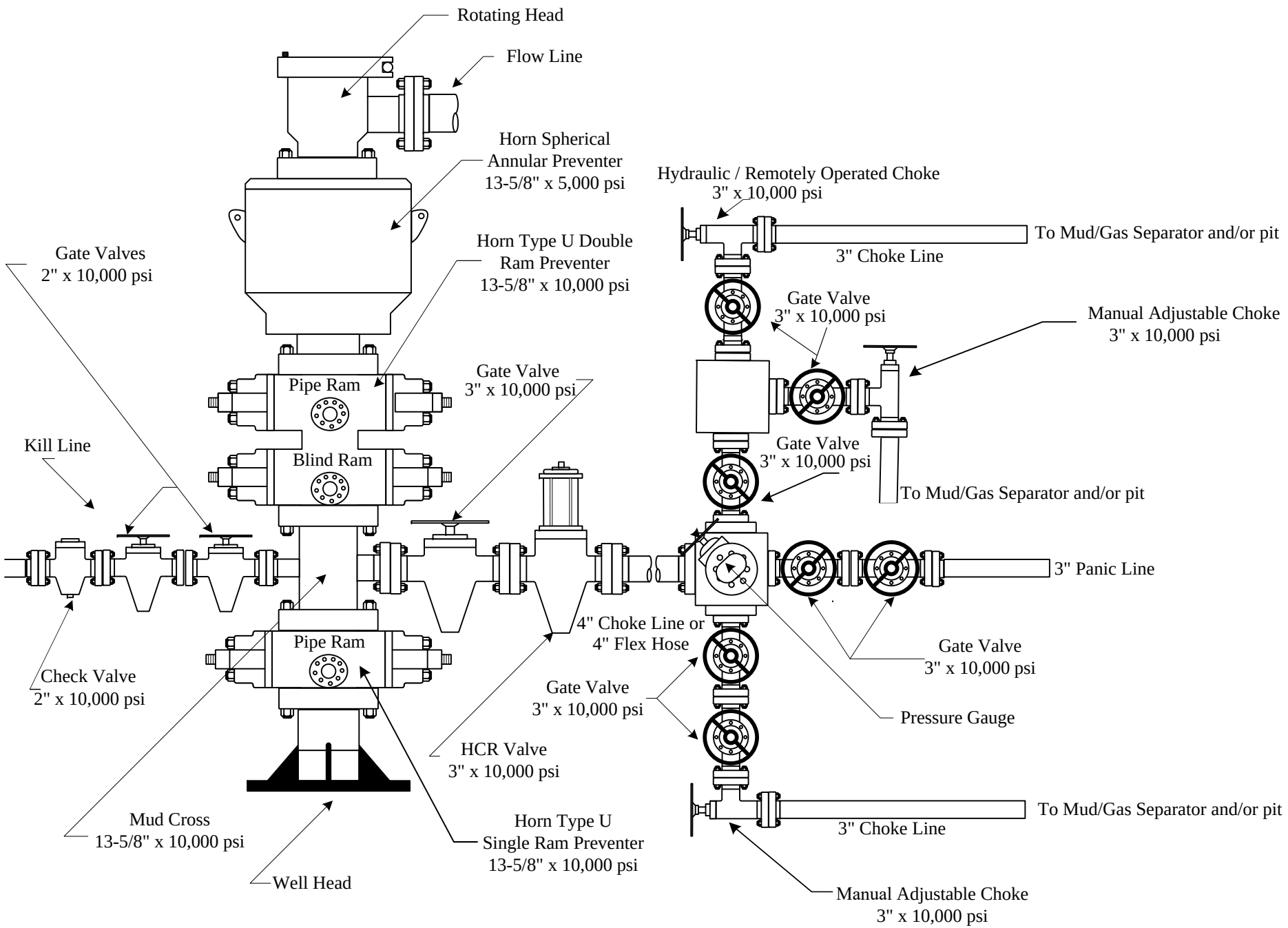
DRAWING NO. HBE0001018



ALL DIMENSIONS APPROXIMAT

CACTUS WELLHEAD LLC	CIMAREX HOBBS, NM	
7-1/16" 15M x 3-1/16" x 2-9/16" 10M Production Tree Assembly With 7-1/16" 15M x 3-1/16" 10M T40-CCL Tubing Head Adapter And 7-1/16" 3-1/2" T40-CCL Tubing Hanger	DRAWN	VJK 13DEC23
	APPRV	
	DRAWING NO.	HBE0001018

COTERRA



1. Geological Formations

TVD of target 10,123
MD at TD 20,042

Pilot Hole TD N/A
Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1160	N/A	
Top of Salt	1515	N/A	
Base of Salt/Lamar	4910	N/A	
Top Delaware Sands/Bell Canyon	5010	N/A	
Cherry Canyon	6100	N/A	
Brushy Canyon	7140	N/A	
Bone Spring Lime	8860	N/A	
Leonard/Avalon Sand	8970	N/A	
Avalon Shale	9305	N/A	
1st Bone Spring Sand	9930	Hydrocarbons	
1st Bone Spring Sand - Target	10113	Hydrocarbons	

2. Casing Program

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1270	1270	13-3/8"	48.00	H-40	ST&C	1.35	3.16	5.28
12 1/4	0	4935	4935	9-5/8"	40.00	J-55	BT&C	1.42	1.49	3.19
8 3/4	0	9531	[redacted]							
8 3/4	9531	20042	10123	5-1/2"	20.00	P-110	BT&C	2.40	2.67	54.14
					BLM Minimum Safety Factor			1.125	1	1.6 Dry 1.8 Wet

TVD was used on all calculations.
All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

H2S Drilling Operations Plan

Training

All company and contract personnel admitted on location must be trained by a qualified H2S safety instructor to do the following:

1. Characteristics of H2S
2. Physical effects and hazards
3. Principle and operation of H2S detectors, warning system, and briefing areas
4. Evacuation procedure, routes and first aid
5. Proper use of safety equipment & life support systems
6. Essential personnel meeting Medical Evaluation criteria will receive additional training on the proper use of 30 minute pressure demand air packs.

H2S Detection and Alarm Systems

1. H2S sensors/detectors to be located on the drilling rig floor, in the base of the sub structure/cellar area, on the mud pits in the shale shaker area. Additional H2S detectors may be placed as deemed necessary
2. An audio alarm system will be installed on the derrick floor and in the top doghouse

Windsock and/or wind streamers

1. Windsock at mudpit area should be high enough to be visible
2. Windsock on the rig floor and / or top of doghouse should be high enough to be visible

Condition Flags & Signs

1. Warning signs on access road to location
2. Flags are to be displayed on sign at the entrance to location. Green flag indicates normal safe condition. Yellow flag indicates potential pressure and danger. Red flag indicates

danger (H2S present in dangerous concentration). Only H2S trained and certified personnel admitted to location.

Well Control Equipment

1. See the pressure control section of this submission.

Communication

1. While working under masks, chalkboards will be used for communication
2. Hand signals will be used where chalk board is inappropriate.
3. Two way radio will be used to communicate off location in case emergency help is required. In most cases, cellular telephones will be available at most drilling foreman's trailer or living quarters.

Drillstem Testing

1. No DSTs or cores are planned at this tmie
2. Drilling contractor supervisor will be required to be familiar with the effects that H2S has on tubular goods and other mechanical equipment.
3. If H2S is encountered, mud system will be altered if necessary to maintain control of the well. A mud gas separator will be brought into service along with H2S scavenger if necessary.

H2S Contingency Plan

Emergency Procedures

In the event of an H2S release, the first responder(s) must:

1. Isolate the area and prevent entry by other persons into the 100 PPM ROE.
2. Evacuate any public places encompassed by the 100 PPM ROE.
3. Be equipped with H2S monitors and air packs in order to control the release.
4. Use the buddy system
5. Take precautions to avoid personal injury during this operation
6. Contact operator and/or local officials to aid in operation. See list of emergency contacts attached.
7. Have received training the detection of H2S, measures for protection against the gas, and equipment used for protection and emergency response

Ignition of the Gas Source

1. Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Contacting Authorities

1. Coterra personnel must liaise with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours.
2. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. Coterra’s response must be in coordination with the State of New Mexico's" Hazardous Materials Emergency Response Plan" (HMER).

Emergency Contacts

Coterra Energy

Charlie Pritchard: Drilling Operations Manager: 432 – 238 – 7084

Darrell Kelly: Vice President EHS: 281 – 589 – 5795

Third Party

PERMIAN REGION CONTACT NUMBERS

CALL 911

Air Ambulance Services

Reeves County Medical - Pecos, TX	432-447-3551
Aero Care - Midland, TX	800-627-2376
Tri State Care Flight - Artesia, NM	800-800-0900
Air Methods - Hobbs, NM	800-242-6199

Fire / Police / Medical Care

Sheriff's Office		Fire Departments		Hospital / Medical Care Facilities	
Andrews County	432-523-5545	Andrews	432-523-3111	Permian Regional Med.	432-523-2200
Reagan County	325-884-2929	Big Lake	325-884-3650	Reagan Memorial Hosp.	325-884-2561
Howard County	432-264-2244	Big Springs	432-264-2303	Scenic Mountain Med Ctr	432-263-1211
Terry County	806-637-2212	Brownfield	806-637-6633		
Crane County	432-558-3571	Crane	432-558-2361	Crane Memorial Hosp.	432-558-3555
Val Verde County	830-774-7513	Del Rio	830-774-8648	Val Verde Regional Med.	830-775-8566
		Denver City	806-592-3516	Yoakum County Hospital	806-592-2121
Pecos County	432-336-3521	Ft. Stockton	432-336-8525		
Glasscock County	432-354-2361	Garden City			
Winkler County	432-586-3461	Kermit	432-586-2577	Winkler County Memorial	432-586-5864
		McCamey	432-652-8232	McCamey Hospital	432-652-8626
Loving County	432-377-2411	Mentone			
Irion County	325-835-2551	Mertzon			
Ward County	432-943-6703	Monahans	432-943-2211	Ward Memorial Hospital	432-943-2511
Ector County	432-335-3050	Odessa	432-335-4650	Odessa Regional Hosp.	432-582-8340
Crocket County	325-392-2661	Ozona	325-392-2626		
Reeves County	432-445-4901	Pecos	505-757-6511	Reeves County Hospital	432-447-3551
Yoakum County	806-456-2377	Plains	806-456-2288		
Garza County	806-495-3595	Post			
Upton County	432-693-2422	Rankin			
Coke County	915-453-2717	Robert Lee			
		Roscoe	325-766-3931		
Hockley County	806-894-3126	Levelland	806-894-3155	Covenant Health	806-894-4963
Tom Green County	325-655-8111	San Angelo	325-657-4355	San Angelo Comm. Med.	325-949-9511
Gaines County	432-758-9871	Seminole	432-758-3621	Memorial Hospital	432-758-5811
Terrell County	432-345-2525	Sanderson			
Scurry County	325-573-3551	Snyder	325-573-3546	DM Cogdell Memorial	325-573-6374
Sterling County	325-378-4771	Sterling City			
Nolan County	325-235-5471	Sweetwater	325-235-8130	Rolling Plains Memorial	325-235-1701
Culberson County	432-283-2060	Van Horn		Culberson Hospital	432-283-2760
New Mexico					
Lea County	505-396-3611	Knowles	505-392-7469	Lea Reg Med Ctr	575-492-5000
Eddy County	575-887-7551	Carlsbad	575-885-3125	Carlsbad Medical	575-887-4100
		Artesia	575-746-5050	Artesia Hospital	575-748-3333
Roosevelt County	575-356-4408				
Chaves County	575-624-7590				

Ground Ambulance Services

Reeves County Medical	Pecos, TX	432-447-3551

H2S Drilling Operations Plan

Training

All company and contract personnel admitted on location must be trained by a qualified H2S safety instructor to do the following:

1. Characteristics of H2S
2. Physical effects and hazards
3. Principle and operation of H2S detectors, warning system, and briefing areas
4. Evacuation procedure, routes and first aid
5. Proper use of safety equipment & life support systems
6. Essential personnel meeting Medical Evaluation criteria will receive additional training on the proper use of 30 minute pressure demand air packs.

H2S Detection and Alarm Systems

1. H2S sensors/detectors to be located on the drilling rig floor, in the base of the sub structure/cellar area, on the mud pits in the shale shaker area. Additional H2S detectors may be placed as deemed necessary
2. An audio alarm system will be installed on the derrick floor and in the top doghouse

Windsock and/or wind streamers

1. Windsock at mudpit area should be high enough to be visible
2. Windsock on the rig floor and / or top of doghouse should be high enough to be visible

Condition Flags & Signs

1. Warning signs on access road to location
2. Flags are to be displayed on sign at the entrance to location. Green flag indicates normal safe condition. Yellow flag indicates potential pressure and danger. Red flag indicates

danger (H2S present in dangerous concentration). Only H2S trained and certified personnel admitted to location.

Well Control Equipment

1. See the pressure control section of this submission.

Communication

1. While working under masks, chalkboards will be used for communication
2. Hand signals will be used where chalk board is inappropriate.
3. Two way radio will be used to communicate off location in case emergency help is required. In most cases, cellular telephones will be available at most drilling foreman's trailer or living quarters.

Drillstem Testing

1. No DSTs or cores are planned at this tmie
2. Drilling contractor supervisor will be required to be familiar with the effects that H2S has on tubular goods and other mechanical equipment.
3. If H2S is encountered, mud system will be altered if necessary to maintain control of the well. A mud gas separator will be brought into service along with H2S scavenger if necessary.

H2S Contingency Plan

Emergency Procedures

In the event of an H2S release, the first responder(s) must:

1. Isolate the area and prevent entry by other persons into the 100 PPM ROE.
2. Evacuate any public places encompassed by the 100 PPM ROE.
3. Be equipped with H2S monitors and air packs in order to control the release.
4. Use the buddy system
5. Take precautions to avoid personal injury during this operation
6. Contact operator and/or local officials to aid in operation. See list of emergency contacts attached.
7. Have received training the detection of H2S, measures for protection against the gas, and equipment used for protection and emergency response

Ignition of the Gas Source

1. Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Contacting Authorities

1. Coterra personnel must liaise with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours.
2. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. Coterra’s response must be in coordination with the State of New Mexico's" Hazardous Materials Emergency Response Plan" (HMER).

Emergency Contacts

Coterra Energy

Charlie Pritchard: Drilling Operations Manager: 432 – 238 – 7084

Darrell Kelly: Vice President EHS: 281 – 589 – 5795

Third Party

PERMIAN REGION CONTACT NUMBERS

CALL 911

Air Ambulance Services

Reeves County Medical - Pecos, TX	432-447-3551
Aero Care - Midland, TX	800-627-2376
Tri State Care Flight - Artesia, NM	800-800-0900
Air Methods - Hobbs, NM	800-242-6199

Fire / Police / Medical Care

Sheriff's Office		Fire Departments		Hospital / Medical Care Facilities	
Andrews County	432-523-5545	Andrews	432-523-3111	Permian Regional Med.	432-523-2200
Reagan County	325-884-2929	Big Lake	325-884-3650	Reagan Memorial Hosp.	325-884-2561
Howard County	432-264-2244	Big Springs	432-264-2303	Scenic Mountain Med Ctr	432-263-1211
Terry County	806-637-2212	Brownfield	806-637-6633		
Crane County	432-558-3571	Crane	432-558-2361	Crane Memorial Hosp.	432-558-3555
Val Verde County	830-774-7513	Del Rio	830-774-8648	Val Verde Regional Med.	830-775-8566
		Denver City	806-592-3516	Yoakum County Hospital	806-592-2121
Pecos County	432-336-3521	Ft. Stockton	432-336-8525		
Glasscock County	432-354-2361	Garden City			
Winkler County	432-586-3461	Kermit	432-586-2577	Winkler County Memorial	432-586-5864
		McCamey	432-652-8232	McCamey Hospital	432-652-8626
Loving County	432-377-2411	Mentone			
Irion County	325-835-2551	Mertzon			
Ward County	432-943-6703	Monahans	432-943-2211	Ward Memorial Hospital	432-943-2511
Ector County	432-335-3050	Odessa	432-335-4650	Odessa Regional Hosp.	432-582-8340
Crocket County	325-392-2661	Ozona	325-392-2626		
Reeves County	432-445-4901	Pecos	505-757-6511	Reeves County Hospital	432-447-3551
Yoakum County	806-456-2377	Plains	806-456-2288		
Garza County	806-495-3595	Post			
Upton County	432-693-2422	Rankin			
Coke County	915-453-2717	Robert Lee			
		Roscoe	325-766-3931		
Hockley County	806-894-3126	Levelland	806-894-3155	Covenant Health	806-894-4963
Tom Green County	325-655-8111	San Angelo	325-657-4355	San Angelo Comm. Med.	325-949-9511
Gaines County	432-758-9871	Seminole	432-758-3621	Memorial Hospital	432-758-5811
Terrell County	432-345-2525	Sanderson			
Scurry County	325-573-3551	Snyder	325-573-3546	DM Cogdell Memorial	325-573-6374
Sterling County	325-378-4771	Sterling City			
Nolan County	325-235-5471	Sweetwater	325-235-8130	Rolling Plains Memorial	325-235-1701
Culberson County	432-283-2060	Van Horn		Culberson Hospital	432-283-2760
New Mexico					
Lea County	505-396-3611	Knowles	505-392-7469	Lea Reg Med Ctr	575-492-5000
Eddy County	575-887-7551	Carlsbad	575-885-3125	Carlsbad Medical	575-887-4100
		Artesia	575-746-5050	Artesia Hospital	575-748-3333
Roosevelt County	575-356-4408				
Chaves County	575-624-7590				

Ground Ambulance Services

Reeves County Medical	Pecos, TX	432-447-3551

Coterra Dos Equis 11-14 Fed Com 154H Rev0 kFc 08Jul25 Proposal Geodetic Report

Def Plan

Report Date:	July 09, 2025 - 03:53 PM (UTC 0)	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	COTERRA	**Vertical Section Azimuth:**	179.670 °(GRID North)
Field:	NM Lea County (NAD 83)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Coterra Dos Equis 11-14 Federal Com Pad (A) / Dos Equis 11-14 Fed	**TVD Reference Datum:**	RKB
Well:	Dos Equis 11-14 Fed Com 154H	**TVD Reference Elevation:**	3626.100 ft above MSL
Borehole:	Dos Equis 11-14 Fed Com 154H	**Seabed / Ground Elevation:**	3603.100 ft above MSL
UBHI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.101°
Survey Name:	Coterra Dos Equis 11-14 Fed Com 154H Rev0 kFc 08Jul25	**Total Gravity Field Strength:**	998.4382mgn (9.80665 Based)
Survey Date:	July 09, 2025	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	109.394 ° / 10522.425 ft / 6.358 / 1.039	**Total Magnetic Field Strength:**	47215.425 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.734°
Location Lat / Long:	32°14'19.34248"N , 103°38'26.23437"W	**Declination Date:**	July 08, 2025
Location Grid N/E Y/X:	N 451265.560 ftUS , E 755514.240 ftUS	**Magnetic Declination Model:**	HDGM 2025
CRS Grid Convergence Angle:	0.37°	**North Reference:**	Grid North
Grid Scale Factor:	0.9999163(Applied)	**Grid Convergence Used:**	0.37°
Version / Patch:	2024.5.0.1	**Total Corr Mag North->Grid North:**	5.731°
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [264'FNL, 1177'FEL]	0.00	0.00	0.00	0.00	-3,626.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066			
Nudge, Build 2°/100ft	1,800.00	0.00	95.54	1,800.00	-1,826.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
Hold	2,100.13	6.00	95.54	2,099.59	-1,526.51	1.61	-1.52	15.63	451,264.04	755,529.87	32.23870180	-103.64057013	2.00	2.00	0.00
Drop 2°/100ft	5,066.26	6.00	95.54	5,049.44	1,423.34	33.35	-31.48	324.37	451,234.08	755,838.59	32.23861396	-103.63957233	0.00	0.00	0.00
Hold	5,366.39	0.00	95.54	5,349.03	1,722.93	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	2.00	-2.00	0.00
KOP, Build 10°/100ft	9,531.39	0.00	95.54	9,514.03	5,887.93	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
Build 5°/100ft	10,281.39	75.00	165.67	10,067.46	6,441.36	447.01	-444.45	445.11	450,821.13	755,959.33	32.23747673	-103.63919048	10.00	10.00	0.00
Landing Point	10,629.15	89.94	174.67	10,113.00	6,486.90	785.79	-782.91	503.28	450,482.68	756,017.50	32.23654542	-103.63900945	5.00	4.30	2.59
	10,709.15	89.94	174.67	10,113.08	6,486.98	865.49	-862.56	510.71	450,403.03	756,024.93	32.23632636	-103.63898708	0.00	0.00	0.00
	10,959.17	89.94	179.67	10,113.35	6,487.25	1,115.20	-1,112.20	523.05	450,153.40	756,037.27	32.23563997	-103.63895240	2.00	0.00	2.00
Dos Equis 11-14 Fed Com 154H - BHL [100'FSL, 660'FEL]	20,041.55	89.94	179.67	10,123.00	6,496.90	10,197.57	-10,194.42	575.27	441,071.55	756,089.49	32.21067572	-103.63897330	0.00	0.00	0.00

Survey Type: Def Plan

Survey Error Model: ISCWSA0 3 - D 95 % Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	9,500.000	1/100.000	17.5 – 12.25 – 8.75	13.375 – 10.75 – 7.625		A001Mb_MWD		Dos Equis 11-14 Fed Com 154H / Coterra Dos Equ
	1	9,500.000	20,041.546	1/100.000	8.75 – 6.75	7.625 – 5		A008Mb_MWD+IFR1+MS		Dos Equis 11-14 Fed Com 154H / Coterra Dos Equ

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,000.000	17.500	13.375	
5,016.539	12.250	10.750	
9,517.361	8.750	7.625	
20,041.546	6.750	5.000	

Coterra Dos Equis 11-14 Fed Com 154H Rev0 kFc 08Jul25 Anti-Collision Summary Report

Analysis Date-24hr Time:	July 09, 2025 - 03:52 PM (UTC 0)	**Analysis Method:**	3D Least Distance
Client:	COTERRA	**Reference Trajectory:**	Coterra Dos Equis 11-14 Fed Com 154H Rev0 kFc 08Jul25
Field:	NM Lea County (NAD 83)	**Depth Interval:**	Every 10.00 Measured Depth (ft)
Structure:	Coterra Dos Equis 11-14 Federal Com Pad (A)	**Rule Set:**	NAL Procedure: D&M AntiCollision Standard S002
Slot:	Dos Equis 11-14 Fed Com 154H	**Min Pts:**	Absolute minima indicated.
Well:	Dos Equis 11-14 Fed Com 154H	**Engine Version:**	2024.5.0.1
Borehole:	Dos Equis 11-14 Fed Com 154H	**Database \ Project:**	Dos Equis 11-14 Fed Com 154H–COTERRA
Scan MD Range:	0.00ft ~ 20041.55ft		

Trajectory Error Model: ISCWSA0 3 - D 95 % Confidence 2.7955 sigma

Offset Trajectories Summary

Offset Selection Criteria

Bounding box scan: minimum Ct-Ct separation <= 2000ft

Selection filters: Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans
- All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

11 out of 15 are selected

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major	
Coterra Dos Equis 11-14 Fed Com 214H Rev0 kFc 08Jul25 (DefinitivePlan) - **Fail Minor**												
	19.99	16.39	16.83	3.61	9.95	MAS = 4.99 (m)	0.00	0.00	CtCt<=15.00m			Enter Alert
	19.99	16.39	16.83	3.61	9.95	MAS = 4.99 (m)	23.00	23.00				WRP
	19.99	16.39	**10.10**	3.61	2.17	MAS = 4.99 (m)	900.00	900.00				MinPt-EOU
	19.99	16.39	**9.32**	3.61	1.98	MAS = 4.99 (m)	990.00	990.00				MinPt-EOU
	19.99	20.11	6.26	-0.12	1.49	OSF1.50	1320.00	1320.00		OSF<=1.50		Enter Minor
	19.99	24.28	3.48	-4.29	1.22	OSF1.50	1600.00	1600.00				MinPt-CtCt
	20.14	24.72	**3.33**	-4.58	**1.21**	OSF1.50	1630.00	1630.00				MinPts
	20.26	24.87	3.36	**-4.60**	1.21	OSF1.50	1640.00	1640.00				MinPt-ADP
	26.79	27.15	8.37	-0.35	1.48	OSF1.50	1800.00	1800.00		OSF>1.50		Exit Minor
	265.78	80.45	211.82	185.33	5.00	OSF1.50	5366.39	5349.03	OSF>5.00			Exit Alert
	477.26	144.33	380.72	332.93	4.98	OSF1.50	9850.00	9816.47	OSF<=5.00			Enter Alert
	447.45	146.70	349.33	300.76	4.60	OSF1.50	10090.00	9988.25				MinPt-CtCt
	447.51	146.82	**349.31**	**300.70**	4.59	OSF1.50	10100.00	9993.79				MinPts
	448.11	147.07	349.74	301.04	**4.59**	OSF1.50	10120.00	10004.43				MinPt-SF
	485.87	147.59	387.15	338.28	4.96	OSF1.50	10310.00	10074.57	OSF>5.00			Exit Alert
	585.79	106.71	514.32	479.08	8.30	OSF1.50	10940.00	10113.33				MinPt-CtCt
	595.57	179.53	475.55	416.04	5.00	OSF1.50	14550.00	10117.16	OSF<=5.00			Enter Alert
	610.63	342.57	**381.93**	**268.07**	**2.68**	OSF1.50	20041.55	10123.00				MinPts
Coterra Dos Equis 11-14 Fed Com 304H Rev0 kFc 08Jul25 (DefinitivePlan) - **Warning Alert**												
	39.99	32.39	36.83	7.61	20.60	MAS = 9.87 (m)	0.00	0.00	CtCt<=15.00m			Enter Alert
	39.99	32.39	36.83	7.61	20.60	MAS = 9.87 (m)	23.00	23.00				WRP
	39.99	32.39	**30.10**	7.61	4.50	MAS = 9.87 (m)	900.00	900.00				MinPt-EOU
	39.99	32.39	**29.32**	7.61	4.09	MAS = 9.87 (m)	990.00	990.00				MinPt-EOU
	39.99	32.39	25.47	**7.61**	2.88	MAS = 9.87 (m)	1400.00	1400.00				MinPts
	40.15	32.39	**25.33**	7.76	2.83	MAS = 9.87 (m)	1430.00	1430.00				MinPt-EOU
	41.08	32.39	25.78	8.70	**2.80**	MAS = 9.87 (m)	1480.00	1480.00				MinPt-SF
	96.52	32.39	75.29	64.13	**4.72**	MAS = 9.87 (m)	2110.00	2109.40				MinPt-SF
	268.02	81.16	213.59	186.87	5.00	OSF1.50	5350.00	5332.64	OSF>5.00			Exit Alert
	490.77	144.81	393.90	345.95	5.11	OSF1.50	9840.00	9807.93				MinPt-CtCt
	490.82	144.91	**393.88**	**345.90**	5.10	OSF1.50	9850.00	9816.47				MinPts
	491.67	145.33	394.45	346.34	**5.10**	OSF1.50	9890.00	9849.68				MinPt-SF
	1343.36	344.30	**1113.50**	**999.06**	**5.86**	OSF1.50	20041.55	10123.00				MinPts
30-025-47083 - Coterra Dos Equis 11-14 Federal Com 62H Corrected MWD Surveys to 22534ft - A (DefinitiveSurvey) - **Warning Alert**												
	99.98	32.81	97.48	67.17	74.35	MAS = 10.00 (m)	0.00	0.00				Surface
	99.98	32.81	97.48	67.17	74.35	MAS = 10.00 (m)	23.00	23.00				WRP
	97.73	32.81	88.32	**64.92**	11.73	MAS = 10.00 (m)	900.00	900.00				MinPts
	97.87	32.81	**87.58**	65.07	10.61	MAS = 10.00 (m)	990.00	990.00				MinPt-EOU
	86.42	32.81	68.23	53.62	4.97	MAS = 10.00 (m)	1810.00	1810.00	OSF<=5.00			Enter Alert
	81.25	32.81	60.57	**48.44**	4.08	MAS = 10.00 (m)	2070.00	2069.60				MinPts
	79.52	35.00	55.86	44.52	3.46	OSF1.50	2374.10	2372.05				MinPt-CtCt
	79.92	36.15	**55.50**	43.77	3.37	OSF1.50	2450.00	2447.53				MinPt-EOU
	80.56	36.91	55.63	**43.66**	3.32	OSF1.50	2500.00	2497.26				MinPt-ADP
	82.21	39.04	**55.85**	43.17	3.20	OSF1.50	2640.00	2636.49				MinPt-EOU
	82.85	39.81	55.98	**43.04**	3.16	OSF1.50	2690.00	2686.22				MinPt-ADP
	85.74	41.65	57.64	44.09	**3.13**	OSF1.50	2810.00	2805.56				MinPt-SF
	146.14	62.00	104.47	84.13	**3.57**	OSF1.50	4120.00	4108.38				MinPt-SF
	184.48	76.40	133.22	108.09	**3.65**	OSF1.50	5040.00	5023.33				MinPt-SF
	297.93	90.32	237.40	207.62	4.99	OSF1.50	6000.00	5982.64	OSF>5.00			Exit Alert
	440.46	112.43	365.18	328.03	5.92	OSF1.50	7480.00	7462.64				MinPt-CtCt
	440.62	120.53	359.94	320.09	5.52	OSF1.50	8040.00	8022.64				MinPt-CtCt
	435.54	131.49	347.55	304.05	4.99	OSF1.50	8810.00	8792.64	OSF<=5.00			Enter Alert
	426.92	141.86	332.02	285.06	4.54	OSF1.50	9560.00	9542.63				MinPt-CtCt
	426.94	141.93	**331.99**	285.01	4.53	OSF1.50	9570.00	9552.61				MinPt-EOU
	427.00	142.01	332.00	**284.99**	4.53	OSF1.50	9580.00	9562.58				MinPt-ADP
	427.66	142.31	332.46	285.35	**4.53**	OSF1.50	9620.00	9602.29				MinPt-SF
	479.37	145.00	382.38	334.38	4.98	OSF1.50	9970.00	9911.04	OSF>5.00			Exit Alert
	2286.28	122.80	**2204.08**	2163.47	28.14	OSF1.50	12070.00	10114.53				MinPt-EOU
	2282.63	135.76	2191.79	2146.86	25.39	OSF1.50	12670.00	10115.17				MinPt-CtCt
	2282.95	136.70	**2191.49**	2146.25	25.22	OSF1.50	12730.00	10115.23				MinPt-EOU
	2283.21	137.01	2191.54	**2146.20**	25.17	OSF1.50	12750.00	10115.25				MinPt-ADP
	2280.41	145.50	2183.09	2134.91	23.66	OSF1.50	13090.00	10115.61				MinPt-CtCt
	2280.60	150.88	2179.68	2129.72	22.81	OSF1.50	13310.00	10115.85				MinPt-CtCt

Results highlighted in red: Sep-Factor <= 1.5

Result highlighted in boxed, red and bold: all local minima indicated.

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major	
	2279.40	161.84	2171.18	2117.56	21.25	OSF1.50	13740.00	10116.30				MinPt-CtCt
	2279.76	165.58	2169.04	2114.18	20.77	OSF1.50	13900.00	10116.47				MinPt-EOU
	2280.01	165.89	2169.09	2114.12	20.73	OSF1.50	13920.00	10116.49				MinPt-ADP
	2283.89	181.12	2162.82	2102.77	19.01	OSF1.50	14460.00	10117.07				MinPt-CtCt
	2284.11	181.76	2162.61	2102.35	18.94	OSF1.50	14500.00	10117.11				MinPt-EOU
	2284.38	182.09	2162.66	2102.29	18.91	OSF1.50	14520.00	10117.13				MinPt-ADP
	2283.30	196.82	2151.76	2086.48	17.48	OSF1.50	15020.00	10117.66				MinPt-CtCt
	2282.55	203.96	2146.25	2078.59	16.86	OSF1.50	15270.00	10117.93				MinPt-CtCt
	2282.02	207.41	2143.42	2074.61	16.58	OSF1.50	15390.00	10118.06				MinPt-CtCt
	2282.23	208.09	2143.18	2074.14	16.52	OSF1.50	15430.00	10118.10				MinPt-EOU
	2282.65	208.59	2143.26	2074.06	16.49	OSF1.50	15460.00	10118.13				MinPt-ADP
	2288.02	212.84	2145.80	2075.18	16.19	OSF1.50	15620.00	10118.30				MinPts
	2306.11	222.26	2157.61	2083.85	15.63	OSF1.50	15920.00	10118.62				MinPt-EOU
	2307.03	223.35	2157.80	2083.68	15.56	OSF1.50	15970.00	10118.67				MinPt-ADP
	2299.12	246.54	2134.44	2052.58	14.04	OSF1.50	16710.00	10119.46				MinPt-CtCt
	2290.17	269.57	2110.13	2020.60	12.78	OSF1.50	17470.00	10120.27				MinPt-CtCt
	2290.65	271.05	2109.63	2019.60	12.72	OSF1.50	17540.00	10120.34				MinPt-EOU
	2278.53	294.18	2082.09	1984.35	11.65	OSF1.50	18270.00	10121.12				MinPt-CtCt
	2274.44	307.56	2069.07	1966.88	11.12	OSF1.50	18700.00	10121.57				MinPt-CtCt
	2274.92	308.99	2068.60	1965.93	11.07	OSF1.50	18770.00	10121.65				MinPt-EOU
	2275.44	309.59	2068.72	1965.85	11.05	OSF1.50	18800.00	10121.68				MinPt-ADP
	2280.09	315.98	2069.11	1964.11	10.85	OSF1.50	18970.00	10121.86				MinPt-CtCt
	2280.89	318.66	2068.13	1962.24	10.77	OSF1.50	19080.00	10121.98				MinPt-EOU
	2281.23	319.04	2068.21	1962.19	10.75	OSF1.50	19100.00	10122.00				MinPt-ADP
	2284.83	335.08	2061.11	1949.75	10.25	OSF1.50	19580.00	10122.51				MinPt-CtCt
	2287.92	349.29	2054.73	1938.63	9.85	OSF1.50	20041.55	10123.00				MinPts
30-025-41469 - DOS EQUIS 11 FEDERAL COM 1H - MWD to 15324ft - A (DefinitiveSurvey) - **Warning Alert**												
	525.94	32.81	522.63	493.13	394.29	MAS = 10.00 (m)	0.00	0.00				Surface
	525.91	32.81	522.60	493.10	394.20	MAS = 10.00 (m)	23.00	23.00				WRP
	525.33	32.81	521.77	492.53	329.94	MAS = 10.00 (m)	150.00	150.00				MinPts
	525.47	32.81	521.67	492.66	287.64	MAS = 10.00 (m)	190.00	190.00				MinPt-EOU
	528.41	32.81	517.10	495.60	56.40	MAS = 10.00 (m)	990.00	990.00				MinPt-EOU
	526.92	32.81	512.02	494.11	39.97	MAS = 10.00 (m)	1380.00	1380.00				MinPts
	238.17	72.88	189.00	165.30	4.99	OSF1.50	4850.00	4834.37	OSF<=5.00			Enter Alert
	208.07	79.88	154.28	128.19	3.96	OSF1.50	5330.00	5312.64				MinPt-CtCt
	208.22	80.32	154.13	127.90	3.94	OSF1.50	5360.00	5342.64				MinPt-EOU
	214.17	92.98	151.64	121.19	3.49	OSF1.50	6220.00	6202.64				MinPt-CtCt
	214.36	96.53	149.47	117.83	3.36	OSF1.50	6460.00	6442.64				MinPt-CtCt
	164.21	142.92	68.42	21.29	1.73	OSF1.50	9780.94	9755.76				MinPt-CtCt
	164.25	143.00	68.41	21.26	1.73	OSF1.50	9790.00	9763.95				MinPts
	480.08	146.72	381.76	333.36	4.94	OSF1.50	10360.00	10085.58	OSF>5.00			Exit Alert
	805.01	93.72	742.03	711.30	13.07	OSF1.50	10940.00	10113.33				MinPt-EOU
	805.69	95.15	741.74	710.54	12.88	OSF1.50	11060.00	10113.45				MinPt-EOU
	805.85	95.36	741.76	710.49	12.86	OSF1.50	11080.00	10113.48				MinPt-ADP
	813.21	110.89	738.78	702.33	11.13	OSF1.50	12040.00	10114.50				MinPt-CtCt
	813.17	115.62	735.58	697.55	10.67	OSF1.50	12270.00	10114.74				MinPt-CtCt
	813.01	120.03	732.48	692.98	10.27	OSF1.50	12470.00	10114.95				MinPt-CtCt
	812.46	130.70	724.82	681.76	9.42	OSF1.50	12920.00	10115.43				MinPt-CtCt
	802.39	173.33	686.32	629.06	6.99	OSF1.50	14510.00	10117.12				MinPts
	5591.64	163.09	5482.40	5428.55	51.90	OSF1.50	20041.55	10123.00				TD
30-025-46381 - EIDER 23 FEDERAL 702H - Gyro+IFR1 to 20082ft - A (DefinitiveSurvey) - **Warning Alert**												
	10769.27	32.81	10765.96	10736.46	8102.57	MAS = 10.00 (m)	0.00	0.00				Surface
	10769.23	32.81	10765.92	10736.42	8102.50	MAS = 10.00 (m)	20.00	20.00				MinPt-SF
	10769.23	32.81	10765.92	10736.42	8102.50	MAS = 10.00 (m)	23.00	23.00				WRP
	10749.02	32.81	10733.76	10716.21	796.65	MAS = 10.00 (m)	1430.00	1430.00				MinPts
	10749.29	32.81	10733.50	10716.48	765.74	MAS = 10.00 (m)	1520.00	1520.00				MinPt-EOU
	10761.70	32.81	10740.18	10728.89	544.40	MAS = 10.00 (m)	2140.00	2139.23				MinPt-EOU
	10762.62	32.81	10740.17	10729.81	520.14	MAS = 10.00 (m)	2230.00	2228.74				MinPt-EOU
	10763.57	34.45	10740.02	10729.12	493.85	OSF1.50	2340.00	2338.14				MinPt-EOU
	10764.35	35.93	10739.81	10728.42	472.40	OSF1.50	2440.00	2437.59				MinPt-EOU
	566.22	171.85	451.14	394.36	4.97	OSF1.50	19660.00	10122.59	OSF<=5.00			Enter Alert
	197.05	193.76	67.37	3.29	1.53	OSF1.50	20041.55	10123.00				MinPts
30-025-40861 - MCCLOY RANCH 2-24-32 STATE COM 4H - IGRF to 14520ft - A (DefinitiveSurvey) - **Warning Alert**												
	634.59	32.81	631.28	601.78	476.05	MAS = 10.00 (m)	0.00	0.00				Surface
	634.58	32.81	631.27	601.77	476.04	MAS = 10.00 (m)	10.00	10.00				MinPts
	634.59	32.81	631.28	601.78	476.03	MAS = 10.00 (m)	23.00	23.00				WRP
	638.04	32.81	626.93	605.23	69.72	MAS = 10.00 (m)	990.00	990.00				MinPt-EOU
	424.62	93.23	361.93	331.39	6.93	OSF1.50	6220.00	6202.64				MinPt-CtCt
	406.00	123.14	323.37	282.86	4.99	OSF1.50	8270.00	8252.64	OSF<=5.00			Enter Alert
	395.79	136.02	304.57	259.77	4.40	OSF1.50	9148.20	9130.84				MinPt-CtCt
	395.98	136.61	304.37	259.38	4.38	OSF1.50	9190.00	9172.64				MinPt-EOU
	396.09	136.74	304.39	259.35	4.38	OSF1.50	9200.00	9182.64				MinPt-ADP
	396.50	136.96	304.66	259.55	4.38	OSF1.50	9220.00	9202.64				MinPt-SF
	449.33	136.01	358.14	313.32	4.99	OSF1.50	9531.39	9514.03	OSF>5.00			Exit Alert
	10545.20	153.67	10442.24	10391.53	103.95	OSF1.50	20041.55	10123.00				TD
30-025-24482 - Wimberly 5 - INC Only to 5050ft - A (DefinitiveSurvey) - **Warning Alert**												
	637.31	32.81	634.00	604.50	478.16	MAS = 10.00 (m)	0.00	0.00				Surface
	637.21	32.81	633.90	604.40	478.02	MAS = 10.00 (m)	10.00	10.00				MinPt-SF
	637.21	32.81	633.90	604.40	478.02	MAS = 10.00 (m)	20.00	20.00				MinPts
	637.21	32.81	633.90	604.40	477.99	MAS = 10.00 (m)	23.00	23.00				WRP
	634.40	65.30	590.28	569.10	14.94	OSF1.50	1310.00	1310.00				MinPt-CtCt
	535.06	162.35	426.24	372.70	4.98	OSF1.50	3160.00	3153.64	OSF<=5.00			Enter Alert
	400.58	263.85	224.14	136.73	2.28	OSF1.50	5090.00	5073.07				MinPts
	400.47	263.66	224.16	136.81	2.28	OSF1.50	5098.97	5082.00				MinPt-CtCt
	591.35	181.63	469.72	409.72	4.91	OSF1.50	5520.00	5502.64	OSF>5.00			Exit Alert
	6939.09	218.10	6793.17	6720.98	48.05	OSF1.50	14980.00	10117.62				MinPt-SF
	11042.04	278.48	10855.87	10763.55	59.80	OSF1.50	20041.55	10123.00				TD

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major	
30-025-47080 - Coterra Dos Equis 11-14 Federal Com 8H Corrected MWD to 22430ft - A (DefinitiveSurvey) - **Pass**												
	116.60	32.81	114.10	83.80	86.86	MAS = 10.00 (m)	0.00	0.00				MinPts
	116.62	32.81	114.12	83.81	86.87	MAS = 10.00 (m)	23.00	23.00				WRP
	137.62	32.81	122.54	104.81	9.70	MAS = 10.00 (m)	1490.00	1490.00				MinPt-EOU
	139.95	32.81	121.69	107.14	8.04	MAS = 10.00 (m)	1810.00	1810.00				MinPt-EOU
	148.16	32.81	127.94	115.35	7.65	MAS = 10.00 (m)	2010.00	2009.81				MinPt-SF
	156.18	32.81	135.09	123.37	7.72	MAS = 10.00 (m)	2100.13	2099.59				MinPt-SF
	526.73	92.73	464.58	434.00	8.60	OSF1.50	6300.00	6282.64				MinPt-CtCt
	526.64	94.79	463.13	431.86	8.41	OSF1.50	6440.00	6422.64				MinPt-CtCt
	528.10	98.27	462.25	429.83	8.13	OSF1.50	6680.00	6662.64				MinPt-EOU
	536.18	108.88	463.27	427.30	7.44	OSF1.50	7400.00	7382.64				MinPt-ADP
	542.00	113.90	465.74	428.11	7.19	OSF1.50	7740.00	7722.64				MinPt-ADP
	555.73	130.87	468.15	424.86	6.41	OSF1.50	8890.00	8872.64				MinPt-EOU
	557.22	132.61	468.48	424.60	6.34	OSF1.50	9010.00	8992.64				MinPt-ADP
	565.24	139.90	471.64	425.34	6.09	OSF1.50	9500.00	9482.64				MinPt-ADP
	566.03	140.37	472.12	425.65	6.08	OSF1.50	9550.00	9532.64				MinPt-SF
	2345.58	129.02	2259.25	2216.57	27.47	OSF1.50	12110.00	10114.57				MinPt-CtCt
	2345.67	133.09	2256.61	2212.57	26.62	OSF1.50	12320.00	10114.79				MinPt-CtCt
	2345.57	137.20	2253.78	2208.37	25.82	OSF1.50	12520.00	10115.01				MinPt-CtCt
	2346.42	140.40	2252.49	2206.02	25.24	OSF1.50	12690.00	10115.19				MinPt-EOU
	2347.30	141.48	2252.66	2205.82	25.05	OSF1.50	12750.00	10115.25				MinPt-ADP
	2342.95	155.20	2239.16	2187.75	22.78	OSF1.50	13310.00	10115.85				MinPt-CtCt
	2342.07	163.09	2233.02	2178.98	21.66	OSF1.50	13630.00	10116.19				MinPt-CtCt
	2343.58	166.42	2232.31	2177.16	21.24	OSF1.50	13790.00	10116.36				MinPt-EOU
	2345.49	169.45	2232.20	2176.04	20.88	OSF1.50	13910.00	10116.48				MinPt-EOU
	2330.98	194.61	2200.92	2136.38	18.05	OSF1.50	14830.00	10117.46				MinPt-CtCt
	2331.32	195.65	2200.55	2135.66	17.96	OSF1.50	14890.00	10117.53				MinPt-EOU
	2331.60	196.00	2200.61	2135.60	17.93	OSF1.50	14910.00	10117.55				MinPt-ADP
	2323.50	216.97	2178.53	2106.53	16.13	OSF1.50	15630.00	10118.31				MinPt-CtCt
	2324.18	227.13	2172.44	2097.05	15.41	OSF1.50	15980.00	10118.68				MinPt-CtCt
	2322.98	238.02	2163.97	2084.95	14.69	OSF1.50	16350.00	10119.08				MinPt-CtCt
	2324.23	245.65	2160.13	2078.58	14.24	OSF1.50	16610.00	10119.35				MinPt-CtCt
	2324.77	247.34	2159.55	2077.44	14.15	OSF1.50	16690.00	10119.44				MinPt-EOU
	2325.46	248.17	2159.68	2077.29	14.11	OSF1.50	16730.00	10119.48				MinPt-ADP
	2328.34	251.50	2160.34	2076.83	13.94	OSF1.50	16850.00	10119.61				MinPt-ADP
	2337.81	260.41	2163.88	2077.40	13.51	OSF1.50	17130.00	10119.91				MinPt-EOU
	2338.95	261.80	2164.09	2077.15	13.45	OSF1.50	17190.00	10119.97				MinPt-ADP
	2349.69	271.24	2168.54	2078.45	13.04	OSF1.50	17500.00	10120.30				MinPt-EOU
	2351.83	273.65	2169.07	2078.19	12.93	OSF1.50	17590.00	10120.39				MinPt-ADP
	2358.16	284.80	2167.96	2073.36	12.46	OSF1.50	17940.00	10120.77				MinPt-EOU
	2363.38	300.74	2162.56	2062.65	11.82	OSF1.50	18430.00	10121.29				MinPt-CtCt
	2364.21	302.93	2161.93	2061.29	11.74	OSF1.50	18530.00	10121.39				MinPt-EOU
	2365.86	304.93	2162.25	2060.93	11.67	OSF1.50	18610.00	10121.48				MinPt-ADP
	2367.84	310.38	2160.59	2057.46	11.47	OSF1.50	18770.00	10121.65				MinPt-EOU
	2370.46	321.99	2155.47	2048.47	11.07	OSF1.50	19120.00	10122.02				MinPt-CtCt
	2368.92	329.77	2148.75	2039.16	10.80	OSF1.50	19370.00	10122.29				MinPt-CtCt
	2374.31	344.37	2144.40	2029.94	10.37	OSF1.50	19870.00	10122.82				MinPt-EOU
	2378.14	349.47	2144.83	2028.67	10.23	OSF1.50	20041.55	10123.00				MinPts
30-025-41470 - DOS EQUIS 11 FEDERAL COM 2H - MWD to 11103ft - P (DefinitiveSurvey) - **Pass**												
	469.98	32.81	466.67	437.17	352.18	MAS = 10.00 (m)	0.00	0.00				MinPts
	469.98	32.81	466.68	437.18	352.15	MAS = 10.00 (m)	23.00	23.00				WRP
	472.24	32.81	461.13	439.43	51.54	MAS = 10.00 (m)	990.00	990.00				MinPt-EOU
	472.53	32.81	459.47	439.72	41.66	MAS = 10.00 (m)	1210.00	1210.00				MinPts
	475.38	32.81	456.37	442.57	27.46	MAS = 10.00 (m)	1810.00	1810.00				MinPt-EOU
	850.98	88.33	791.55	762.65	14.69	OSF1.50	5910.00	5892.64				MinPt-CtCt
	851.14	88.83	791.38	762.31	14.61	OSF1.50	5950.00	5932.64				MinPt-EOU
	851.24	88.96	791.40	762.29	14.59	OSF1.50	5960.00	5942.64				MinPt-ADP
	864.76	101.44	796.60	763.33	12.97	OSF1.50	6800.00	6782.64				MinPt-EOU
	866.32	104.11	796.38	762.21	12.65	OSF1.50	6980.00	6962.64				MinPt-EOU
	872.41	118.22	793.06	754.19	11.20	OSF1.50	7930.00	7912.64				MinPt-EOU
	874.27	120.42	793.46	753.86	11.02	OSF1.50	8080.00	8062.64				MinPt-ADP
	896.85	132.95	807.67	763.89	10.22	OSF1.50	8920.00	8902.64				MinPt-EOU
	901.13	139.14	807.83	761.99	9.81	OSF1.50	9330.00	9312.64				MinPt-CtCt
	901.53	141.42	806.71	760.11	9.66	OSF1.50	9490.00	9472.64				MinPt-EOU
	901.75	141.82	806.69	759.93	9.63	OSF1.50	9531.39	9514.03				MinPt-EOU
	901.87	141.96	806.72	759.91	9.62	OSF1.50	9550.00	9532.64				MinPt-ADP
	905.23	143.01	809.38	762.22	9.58	OSF1.50	9700.00	9680.22				MinPt-SF
	10094.47	160.77	9986.77	9933.69	95.07	OSF1.50	20041.55	10123.00				TD
30-025-25368 - WIMBERLY 6 - INC Only to 5100ft - P (DefinitiveSurvey) - **Pass**												
	895.34	32.81	892.04	862.54	673.55	MAS = 10.00 (m)	0.00	0.00				Surface
	894.22	32.81	890.90	861.41	666.83	MAS = 10.00 (m)	23.00	23.00				MinPt-SF
	893.64	98.20	827.59	795.44	13.87	OSF1.50	1800.00	1800.00				MinPt-CtCt
	896.56	107.39	824.38	789.17	12.71	OSF1.50	1940.00	1939.94				MinPt-EOU
	900.21	111.83	825.06	788.37	12.24	OSF1.50	2010.00	2009.81				MinPt-ADP
	1192.00	312.80	982.93	879.21	5.74	OSF1.50	5170.00	5152.79				MinPts
	6894.25	248.55	6728.04	6645.70	41.86	OSF1.50	14830.00	10117.46				MinPt-SF
	11076.21	317.50	10864.03	10758.71	52.57	OSF1.50	20041.55	10123.00				TD
30-025-46379 - EIDER 23 FEDERAL 602H - Gyro+IFR1 to 19902ft - A (DefinitiveSurvey) - **Pass**												
	10771.73	32.81	10768.42	10738.92	8104.43	MAS = 10.00 (m)	0.00	0.00				Surface
	10771.70	32.81	10768.39	10738.89	8104.35	MAS = 10.00 (m)	20.00	20.00				MinPt-SF
	10771.69	32.81	10768.39	10738.89	8104.36	MAS = 10.00 (m)	23.00	23.00				WRP
	10739.93	32.81	10719.85	10707.12	586.34	MAS = 10.00 (m)	1930.00	1929.96				MinPts
	10367.12	98.67	10300.81	10268.46	160.20	OSF1.50	6550.00	6532.64				MinPt-CtCt
	10367.29	99.14	10300.66	10268.15	159.43	OSF1.50	6610.00	6592.64				MinPt-EOU
	10367.49	99.38	10300.70	10268.12	159.05	OSF1.50	6640.00	6622.64				MinPt-ADP
	10399.70	115.15	10322.40	10284.55	137.38	OSF1.50	7840.00	7822.64				MinPt-ADP
	10400.52	115.72	10322.84	10284.80	136.70	OSF1.50	7870.00	7852.64				MinPt-ADP

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major	
	10411.94	121.27	10330.55	**10290.67**	130.51	OSF1.50	8260.00	8242.64				MinPt-ADP
	10414.19	123.94	**10331.02**	10290.25	127.68	OSF1.50	8350.00	8332.64				MinPt-EOU
	10414.81	124.77	**10331.10**	10290.05	126.83	OSF1.50	8410.00	8392.64				MinPt-EOU
	10415.90	126.20	**10331.23**	10289.70	125.39	OSF1.50	8510.00	8492.64				MinPt-EOU
	1352.06	272.96	**1169.57**	**1079.10**	**7.46**	OSF1.50	20041.55	10123.00				MinPts

Coterra Dos Equis 11-14 Fed Com 154H Rev0 kFc 08Jul25 Proposal Geodetic Report

Def Plan

Report Date:	July 09, 2025 - 03:51 PM (UTC 0)	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	COTERRA	**Vertical Section Azimuth:**	179.670 °(GRID North)
Field:	NM Lea County (NAD 83)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Coterra Dos Equis 11-14 Federal Com Pad (A) / Dos Equis 11-14 Fed	**TVD Reference Datum:**	RKB
Well:	Dos Equis 11-14 Fed Com 154H	**TVD Reference Elevation:**	3626.100 ft above MSL
Borehole:	Dos Equis 11-14 Fed Com 154H	**Seabed / Ground Elevation:**	3603.100 ft above MSL
UBHI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.101°
Survey Name:	Coterra Dos Equis 11-14 Fed Com 154H Rev0 kFc 08Jul25	**Total Gravity Field Strength:**	998.4382mgn (9.80665 Based)
Survey Date:	July 08, 2025	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	109.394 ° / 10522.425 ft / 6.358 / 1.039	**Total Magnetic Field Strength:**	47215.425 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.734°
Location Lat / Long:	32°14'19.34248"N , 103°38'26.23437"W	**Declination Date:**	July 08, 2025
Location Grid N/E Y/X:	N 451265.560 ftUS , E 755514.240 ftUS	**Magnetic Declination Model:**	HDGM 2025
CRS Grid Convergence Angle:	0.37°	**North Reference:**	Grid North
Grid Scale Factor:	0.99996163(Applied)	**Grid Convergence Used:**	0.37°
Version / Patch:	2024.5.0.1	**Total Corr Mag North->Grid North:**	5.731°
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [264'FNL, 1177'FEL]	0.00	0.00	0.00	0.00	-3,626.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066			
	100.00	0.00	95.54	100.00	-3,526.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	200.00	0.00	95.54	200.00	-3,426.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	300.00	0.00	95.54	300.00	-3,326.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	400.00	0.00	95.54	400.00	-3,226.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	500.00	0.00	95.54	500.00	-3,126.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	600.00	0.00	95.54	600.00	-3,026.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	700.00	0.00	95.54	700.00	-2,926.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	800.00	0.00	95.54	800.00	-2,826.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	900.00	0.00	95.54	900.00	-2,726.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	1,000.00	0.00	95.54	1,000.00	-2,626.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	1,100.00	0.00	95.54	1,100.00	-2,526.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
Rustler□	1,160.00	0.00	95.54	1,160.00	-2,466.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	1,200.00	0.00	95.54	1,200.00	-2,426.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
A3 Top□	1,245.00	0.00	95.54	1,245.00	-2,381.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
A3 Bottom□	1,295.00	0.00	95.54	1,295.00	-2,331.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	1,300.00	0.00	95.54	1,300.00	-2,326.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	1,400.00	0.00	95.54	1,400.00	-2,226.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	1,500.00	0.00	95.54	1,500.00	-2,126.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
Salado□	1,515.00	0.00	95.54	1,515.00	-2,111.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	1,600.00	0.00	95.54	1,600.00	-2,026.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	1,700.00	0.00	95.54	1,700.00	-1,926.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
Nudge, Build 2°/100ft	1,800.00	0.00	95.54	1,800.00	-1,826.10	0.00	0.00	0.00	451,265.56	755,514.24	32.23870624	-103.64062066	0.00	0.00	0.00
	1,900.00	2.00	95.54	1,899.98	-1,726.12	0.18	-0.17	1.74	451,265.39	755,515.98	32.23870575	-103.64061504	2.00	2.00	0.00
	2,000.00	4.00	95.54	1,999.84	-1,626.26	0.71	-0.67	6.95	451,264.89	755,521.19	32.23870427	-103.64059821	2.00	2.00	0.00
	2,100.00	6.00	95.54	2,099.45	-1,526.65	1.61	-1.52	15.62	451,264.04	755,529.86	32.23870180	-103.64057018	2.00	2.00	0.00
Hold	2,100.13	6.00	95.54	2,099.59	-1,526.51	1.61	-1.52	15.63	451,264.04	755,529.87	32.23870180	-103.64057013	2.00	2.00	0.00
	2,200.00	6.00	95.54	2,198.90	-1,427.20	2.68	-2.53	26.03	451,263.03	755,540.27	32.23869884	-103.64053654	0.00	0.00	0.00
	2,300.00	6.00	95.54	2,298.36	-1,327.74	3.75	-3.54	36.44	451,262.02	755,550.68	32.23869588	-103.64050290	0.00	0.00	0.00
	2,400.00	6.00	95.54	2,397.81	-1,228.29	4.82	-4.55	46.85	451,261.01	755,561.08	32.23869292	-103.64046926	0.00	0.00	0.00
	2,500.00	6.00	95.54	2,497.26	-1,128.84	5.89	-5.56	57.25	451,260.00	755,571.49	32.23868996	-103.64043562	0.00	0.00	0.00
	2,600.00	6.00	95.54	2,596.71	-1,029.39	6.96	-6.57	67.66	451,258.99	755,581.90	32.23868699	-103.64040198	0.00	0.00	0.00
	2,700.00	6.00	95.54	2,696.16	-929.94	8.03	-7.58	78.07	451,257.98	755,592.31	32.23868403	-103.64036834	0.00	0.00	0.00
	2,800.00	6.00	95.54	2,795.61	-830.49	9.10	-8.59	88.48	451,256.97	755,602.72	32.23868107	-103.64033470	0.00	0.00	0.00
	2,900.00	6.00	95.54	2,895.07	-731.03	10.17	-9.60	98.89	451,255.96	755,613.12	32.23867811	-103.64030106	0.00	0.00	0.00
	3,000.00	6.00	95.54	2,994.52	-631.58	11.24	-10.61	109.30	451,254.95	755,623.53	32.23867515	-103.64026742	0.00	0.00	0.00
	3,100.00	6.00	95.54	3,093.97	-532.13	12.31	-11.62	119.71	451,253.94	755,633.94	32.23867219	-103.64023378	0.00	0.00	0.00
	3,200.00	6.00	95.54	3,193.42	-432.68	13.38	-12.63	130.11	451,252.93	755,644.35	32.23866923	-103.64020014	0.00	0.00	0.00
	3,300.00	6.00	95.54	3,292.87	-333.23	14.45	-13.64	140.52	451,251.92	755,654.76	32.23866626	-103.64016650	0.00	0.00	0.00
	3,400.00	6.00	95.54	3,392.32	-233.78	15.52	-14.65	150.93	451,250.91	755,665.17	32.23866330	-103.64013286	0.00	0.00	0.00
	3,500.00	6.00	95.54	3,491.78	-134.32	16.59	-15.66	161.34	451,249.90	755,675.57	32.23866034	-103.64009922	0.00	0.00	0.00
	3,600.00	6.00	95.54	3,591.23	-34.87	17.66	-16.67	171.75	451,248.89	755,685.98	32.23865738	-103.64006558	0.00	0.00	0.00
	3,700.00	6.00	95.54	3,690.68	64.58	18.73	-17.68	182.16	451,247.88	755,696.39	32.23865442	-103.64003194	0.00	0.00	0.00
	3,800.00	6.00	95.54	3,790.13	164.03	19.80	-18.69	192.57	451,246.87	755,706.80	32.23865146	-103.63999830	0.00	0.00	0.00
	3,900.00	6.00	95.54	3,889.58	263.48	20.87	-19.70	202.97	451,245.86	755,717.21	32.23864850	-103.63996466	0.00	0.00	0.00
	4,000.00	6.00	95.54	3,989.03	362.93	21.94	-20.71	213.38	451,244.85	755,727.61	32.23864553	-103.63993102	0.00	0.00	0.00
	4,100.00	6.00	95.54	4,088.49	462.39	23.01	-21.72	223.79	451,243.84	755,738.02	32.23864257	-103.63989738	0.00	0.00	0.00
	4,200.00	6.00	95.54	4,187.94	561.84	24.08	-22.73	234.20	451,242.83	755,748.43	32.23863961	-103.63986374	0.00	0.00	0.00
	4,300.00	6.00	95.54	4,287.39	661.29	25.15	-23.74	244.61	451,241.82	755,758.84	32.23863665	-103.63983010	0.00	0.00	0.00
	4,400.00	6.00	95.54	4,386.84	760.74	26.22	-24.75	255.02	451,240.81	755,769.25	32.23863369	-103.63979646	0.00	0.00	0.00
	4,500.00	6.00	95.54	4,486.29	860.19	27.29	-25.76	265.43	451,239.80	755,779.66	32.23863073	-103.63976282	0.00	0.00	0.00
	4,600.00	6.00	95.54	4,585.74	959.64	28.36	-26.77	275.84	451,238.79	755,790.06	32.23862777	-103.63972918	0.00	0.00	0.00
	4,700.00	6.00	95.54	4,685.20	1,059.10	29.43	-27.78	286.24	451,237.78	755,800.47	32.23862480	-103.63969554	0.00	0.00	0.00
	4,800.00	6.00	95.54	4,784.65	1,158.55	30.50	-28.79	296.65	451,236.77	755,810.88	32.23862184	-103.63966190	0.00	0.00	0.00
	4,900.00	6.00	95.54	4,884.10	1,258.00	31.57	-29.80	307.06	451,235.76	755,821.29	32.23861888	-103.63962826	0.00	0.00	0.00
Lamar□	4,926.04	6.00	95.54	4,910.00	1,283.90	31.85	-30.07	309.77	451,235.50	755,824.00	32.23861811	-103.63961949	0.00	0.00	0.00
	5,000.00	6.00	95.54	4,983.55	1,357.45	32.64	-30.81	317.47	451,234.75	755,831.70	32.23861592	-103.63959462	0.00	0.00	0.00
Bell Canyon□	5,026.59	6.00	95.54	5,010.00	1,383.90	32.93	-31.08	320.24	451,234.48	755,834.46	32.23861513	-103.63958567	0.00	0.00	0.00
Drop 2°/100ft	5,066.26	6.00	95.54	5,049.44	1,423.34	33.35	-31.48	324.37	451,234.08	755,838.59	32.23861396	-103.63957233	0.00	0.00	0.00
	5,100.00	5.33	95.54	5,083.02	1,456.92	33.69	-31.80	327.68	451,233.76	755,841.91	32.23861301	-103.63956161	2.00	-2.00	0.00
	5,200.00	3.33	95.54	5,182.73	1,556.63	34.46	-32.53	335.19	451,233.03	755,849.42	32.23861088	-103.63953734	2.00	-2.00	0.00
	5,300.00	1.33	95.54	5,282.65	1,656.55	34.88	-32.93	339.23	451,232.64	755,853.46	32.23860973	-103.63952427	2.00	-2.00	0.00
Hold	5,366.39	0.00	95.54	5,349.03	1,722.93	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	2.00	-2.00	0.00
	5,400.00	0.00	95.54	5,382.64	1,756.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	5,500.00	0.00	95.54	5,482.64	1,856.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	5,600.00	0.00	95.54	5,582.64	1,956.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	5,700.00	0.00	95.54	5,682.64	2,056.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	5,800.00	0.00	95.54	5,782.64	2,156.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	5,900.00	0.00	95.54	5,882.64	2,256.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,000.00	0.00	95.54	5,982.64	2,356.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,100.00	0.00	95.54	6,082.64	2,456.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
Cherry Canyon□	6,117.36	0.00	95.54	6,100.00	2,473.90	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,200.00	0.00	95.54	6,182.64	2,556.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,300.00	0.00	95.54	6,282.64	2,656.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,400.00	0.00	95.54	6,382.64	2,756.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,500.00	0.00	95.54	6,482.64	2,856.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,600.00	0.00	95.54	6,582.64	2,956.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,700.00	0.00	95.54	6,682.64	3,056.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,800.00	0.00	95.54	6,782.64	3,156.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	6,900.00	0.00	95.54	6,882.64	3,256.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,000.00	0.00	95.54	6,982.64	3,356.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,100.00	0.00	95.54	7,082.64	3,456.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
Brushy Canyon□	7,157.36	0.00	95.54	7,140.00	3,513.90	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,200.00	0.00	95.54	7,182.64	3,556.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,300.00	0.00	95.54	7,282.64	3,656.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,400.00	0.00	95.54	7,382.64	3,756.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,500.00	0.00	95.54	7,482.64	3,856.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,600.00	0.00	95.54	7,582.64	3,956.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,700.00	0.00	95.54	7,682.64	4,056.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,800.00	0.00	95.54	7,782.64	4,156.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	7,900.00	0.00	95.54	7,882.64	4,256.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,000.00	0.00	95.54	7,982.64	4,356.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,100.00	0.00	95.54	8,082.64	4,456.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,200.00	0.00	95.54	8,182.64	4,556.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,300.00	0.00	95.54	8,282.64	4,656.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,400.00	0.00	95.54	8,382.64	4,756.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,500.00	0.00	95.54	8,482.64	4,856.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,600.00	0.00	95.54	8,582.64	4,956.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,700.00	0.00	95.54	8,682.64	5,056.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,800.00	0.00	95.54	8,782.64	5,156.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
Bone Spring Lime□	8,877.36	0.00	95.54	8,860.00	5,233.90	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	8,900.00	0.00	95.54	8,882.64	5,256.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
Leonard□	8,987.36	0.00	95.54	8,970.00	5,343.90	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
	9,000.00	0.00	95.54	8,982.64	5,356.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	9,100.00	0.00	95.54	9,082.64	5,456.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	9,200.00	0.00	95.54	9,182.64	5,556.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	9,300.00	0.00	95.54	9,282.64	5,656.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
Avalon□	9,322.36	0.00	95.54	9,305.00	5,678.90	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	9,400.00	0.00	95.54	9,382.64	5,756.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	9,500.00	0.00	95.54	9,482.64	5,856.54	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
KOP, Build 10°/100ft	9,531.39	0.00	95.54	9,514.03	5,887.93	34.96	-33.00	340.00	451,232.56	755,854.23	32.23860951	-103.63952180	0.00	0.00	0.00
	9,600.00	6.86	165.67	9,582.48	5,956.38	38.94	-36.98	341.02	451,228.59	755,855.24	32.23859856	-103.63951860	10.00	10.00	0.00
	9,700.00	16.86	165.67	9,680.22	6,054.12	58.86	-56.86	346.10	451,208.70	755,860.32	32.23854381	-103.63950258	10.00	10.00	0.00
	9,800.00	26.86	165.67	9,772.91	6,146.81	94.94	-92.90	355.30	451,172.67	755,869.53	32.23844461	-103.63947357	10.00	10.00	0.00
	9,900.00	36.86	165.67	9,857.73	6,231.63	146.09	-143.97	368.35	451,121.59	755,882.57	32.23830398	-103.63943244	10.00	10.00	0.00
1st BS SS □	9,996.92	46.55	165.67	9,930.00	6,303.90	208.58	-206.37	384.29	451,059.20	755,898.51	32.23813219	-103.63938219	10.00	10.00	0.00
	10,000.00	46.86	165.67	9,932.12	6,306.02	210.76	-208.55	384.84	451,057.02	755,899.07	32.23812620	-103.63938044	10.00	10.00	0.00
	10,100.00	56.86	165.67	9,993.79	6,367.69	286.98	-284.66	404.29	450,980.92	755,918.51	32.23791667	-103.63931916	10.00	10.00	0.00
	10,200.00	66.86	165.67	10,040.90	6,414.80	372.43	-369.98	426.08	450,895.59	755,940.31	32.23768175	-103.63925045	10.00	10.00	0.00
Build 5°/100ft	10,281.39	75.00	165.67	10,067.46	6,441.36	447.01	-444.45	445.11	450,821.13	755,959.33	32.23747673	-103.63919048	10.00	10.00	0.00
	10,300.00	75.79	166.17	10,072.16	6,446.06	464.50	-461.92	449.49	450,803.66	755,963.71	32.23742864	-103.63917668	5.00	4.26	2.70
	10,400.00	80.07	168.82	10,093.06	6,466.96	560.06	-557.36	470.64	450,708.22	755,984.86	32.23716593	-103.63911028	5.00	4.28	2.65
	10,500.00	84.37	171.39	10,106.59	6,480.49	657.74	-654.94	487.65	450,610.65	756,001.87	32.23689743	-103.63905732	5.00	4.30	2.58
	10,600.00	88.68	173.93	10,112.65	6,486.55	756.78	-753.91	500.38	450,511.68	756,014.60	32.23662518	-103.63901820	5.00	4.31	2.54
Landing Point	10,629.15	89.94	174.67	10,113.00	6,486.90	785.79	-782.91	503.28	450,482.68	756,017.50	32.23654542	-103.63900945	5.00	4.31	2.53
	10,700.00	89.94	174.67	10,113.07	6,486.97	856.38	-853.45	509.86	450,412.14	756,024.08	32.23635140	-103.63898964	0.00	0.00	0.00
	10,709.15	89.94	174.67	10,113.08	6,486.98	865.49	-862.56	510.71	450,403.03	756,024.93	32.23632636	-103.63898708	0.00	0.00	0.00
	10,800.00	89.94	176.49	10,113.18	6,487.08	956.11	-953.14	517.71	450,312.46	756,031.93	32.23607726	-103.63896632	2.00	0.00	2.00
	10,900.00	89.94	178.49	10,113.28	6,487.18	1,056.03	-1,053.04	522.10	450,212.56	756,036.31	32.23580261	-103.63895424	2.00	0.00	2.00
	10,959.17	89.94	179.67	10,113.35	6,487.25	1,115.20	-1,112.20	523.05	450,153.40	756,037.27	32.23563997	-103.63895240	2.00	0.00	2.00
	11,000.00	89.94	179.67	10,113.39	6,487.29	1,156.02	-1,153.03	523.28	450,112.58	756,037.50	32.23552775	-103.63895249	0.00	0.00	0.00
	11,100.00	89.94	179.67	10,113.50	6,487.40	1,256.02	-1,253.03	523.86	450,012.58	756,038.08	32.23525289	-103.63895272	0.00	0.00	0.00
	11,200.00	89.94	179.67	10,113.60	6,487.50	1,356.02	-1,353.03	524.43	449,912.59	756,038.65	32.23497802	-103.63895295	0.00	0.00	0.00
	11,300.00	89.94	179.67	10,113.71	6,487.61	1,456.02	-1,453.02	525.01	449,812.59	756,039.23	32.23470316	-103.63895318	0.00	0.00	0.00
	11,400.00	89.94	179.67	10,113.82	6,487.72	1,556.02	-1,553.02	525.58	449,712.60	756,039.80	32.23442829	-103.63895341	0.00	0.00	0.00
	11,500.00	89.94	179.67	10,113.92	6,487.82	1,656.02	-1,653.02	526.16	449,612.61	756,040.38	32.23415343	-103.63895364	0.00	0.00	0.00
	11,600.00	89.94	179.67	10,114.03	6,487.93	1,756.02	-1,753.02	526.73	449,512.61	756,040.95	32.23387857	-103.63895388	0.00	0.00	0.00
	11,700.00	89.94	179.67	10,114.13	6,488.03	1,856.02	-1,853.02	527.31	449,412.62	756,041.53	32.23360370	-103.63895411	0.00	0.00	0.00
	11,800.00	89.94	179.67	10,114.24	6,488.14	1,956.02	-1,953.02	527.88	449,312.62	756,042.10	32.23332884	-103.63895434	0.00	0.00	0.00
	11,900.00	89.94	179.67	10,114.35	6,488.25	2,056.02	-2,053.01	528.46	449,212.63	756,042.68	32.23305397	-103.63895457	0.00	0.00	0.00
	12,000.00	89.94	179.67	10,114.45	6,488.35	2,156.02	-2,153.01	529.03	449,112.63	756,043.25	32.23277911	-103.63895480	0.00	0.00	0.00
	12,100.00	89.94	179.67	10,114.56	6,488.46	2,256.02	-2,253.01	529.61	449,012.64	756,043.83	32.23250424	-103.63895503	0.00	0.00	0.00
	12,200.00	89.94	179.67	10,114.67	6,488.57	2,356.02	-2,353.01	530.18	448,912.65	756,044.40	32.23222938	-103.63895526	0.00	0.00	0.00
Pool NMNM0002889 exit to NMI	12,218.00	89.94	179.67	10,114.69	6,488.59	2,374.02	-2,371.01	530.29	448,894.65	756,044.50	32.23217990	-103.63895530	0.00	0.00	0.00
	12,300.00	89.94	179.67	10,114.77	6,488.67	2,456.02	-2,453.01	530.76	448,812.65	756,044.98	32.23195451	-103.63895549	0.00	0.00	0.00
	12,400.00	89.94	179.67	10,114.88	6,488.78	2,556.02	-2,553.01	531.33	448,712.66	756,045.55	32.23167965	-103.63895572	0.00	0.00	0.00
	12,500.00	89.94	179.67	10,114.98	6,488.88	2,656.02	-2,653.00	531.91	448,612.66	756,046.13	32.23140479	-103.63895595	0.00	0.00	0.00
	12,600.00	89.94	179.67	10,115.09	6,488.99	2,756.02	-2,753.00	532.48	448,512.67	756,046.70	32.23112992	-103.63895618	0.00	0.00	0.00
	12,700.00	89.94	179.67	10,115.20	6,489.10	2,856.02	-2,853.00	533.06	448,412.67	756,047.28	32.23085506	-103.63895641	0.00	0.00	0.00
	12,800.00	89.94	179.67	10,115.30	6,489.20	2,956.02	-2,953.00	533.63	448,312.68	756,047.85	32.23058019	-103.63895665	0.00	0.00	0.00
	12,900.00	89.94	179.67	10,115.41	6,489.31	3,056.02	-3,053.00	534.21	448,212.69	756,048.43	32.23030533	-103.63895688	0.00	0.00	0.00
	13,000.00	89.94	179.67	10,115.52	6,489.42	3,156.02	-3,153.00	534.78	448,112.69	756,049.00	32.23003046	-103.63895711	0.00	0.00	0.00
	13,100.00	89.94	179.67	10,115.62	6,489.52	3,256.02	-3,252.99	535.36	448,012.70	756,049.58	32.22975560	-103.63895734	0.00	0.00	0.00
	13,200.00	89.94	179.67	10,115.73	6,489.63	3,356.02	-3,352.99	535.93	447,912.70	756,050.15	32.22948073	-103.63895757	0.00	0.00	0.00
	13,300.00	89.94	179.67	10,115.84	6,489.74	3,456.02	-3,452.99	536.51	447,812.71	756,050.73	32.22920587	-103.63895780	0.00	0.00	0.00
	13,400.00	89.94	179.67	10,115.94	6,489.84	3,556.02	-3,552.99	537.08	447,712.71	756,051.30	32.22893100	-103.63895803	0.00	0.00	0.00
	13,500.00	89.94	179.67	10,116.05	6,489.95	3,656.02	-3,652.99	537.66	447,612.72	756,051.88	32.22865614	-103.63895826	0.00	0.00	0.00
	13,600.00	89.94	179.67	10,116.15	6,490.05	3,756.02	-3,752.99	538.23	447,512.73	756,052.45	32.22838128	-103.63895849	0.00	0.00	0.00
	13,700.00	89.94	179.67	10,116.26	6,490.16	3,856.02	-3,852.98	538.81	447,412.73	756,053.03	32.22810641	-103.63895872	0.00	0.00	0.00
	13,800.00	89.94	179.67	10,116.37	6,490.27	3,956.02	-3,952.98	539.38	447,312.74	756,053.60	32.22783155	-103.63895895	0.00	0.00	0.00
	13,900.00	89.94	179.67	10,116.47	6,490.37	4,056.02	-4,052.98	539.96	447,212.74	756,054.18	32.22755668	-103.63895918	0.00	0.00	0.00
	14,000.00	89.94	179.67	10,116.58	6,490.48	4,156.02	-4,152.98	540.53	447,112.75	756,054.75	32.22728182	-103.63895941	0.00	0.00	0.00
	14,100.00	89.94	179.67	10,116.69	6,490.59	4,256.02	-4,252.98	541.11	447,012.75	756,055.33	32.22700695	-103.63895964	0.00	0.00	0.00
	14,200.00	89.94	179.67	10,116.79	6,490.69	4,356.02	-4,352.98	541.68	446,912.76	756,055.90	32.22673209	-103.63895987	0.00	0.00	0.00
	14,300.00	89.94	179.67	10,116.90	6,490.80	4,456.02	-4,452.97	542.26	446,812.77	756,056.48	32.22645722	-103.63896010	0.00	0.00	0.00
	14,400.00	89.94	179.67	10,117.00	6,490.90	4,556.02	-4,552.97	542.83	446,712.77	756,057.05	32.22618236	-103.63896033	0.00	0.00	0.00
	14,500.00	89.94	179.67	10,117.11	6,491.01	4,656.02	-4,652.97	543.41	446,612.78	756,057.63	32.22590749	-103.63896056	0.00	0.00	0.00
	14,600.00	89.94	179.67	10,117.22	6,491.12	4,756.02	-4,752.97	543.98	446,512.78	756,058.20	32.22563263	-103.63896079	0.00	0.00	0.00
	14,700.00	89.94	179.67	10,117.32	6,491.22	4,856.02	-4,852.97	544.56	446,412.79	756,058.78	32.22535776	-103.63896102	0.00	0.00	0.00
	14,800.00	89.94	179.67	10,117.43	6,491.33	4,956.02	-4,952.97	545.13	446,312.79	756,059.35	32.22508290	-103.63896126	0.00	0.00	0.00
Section 11-14 Line, Pool NMNM(	14,874.00	89.94	179.67	10,117.51	6,491.41	5,030.02	-5,026.96	545.56	446,238.80	756,059.78	32.22487950	-103.63896143	0.00	0.00	0.00
	14,900.00	89.94	179.67	10,117.54	6,491.44	5,056.02	-5,052.96	545.71	446,212.80	756,059.93	32.22480803	-103.63896149	0.00	0.00	0.00
	15,000.00	89.94	179.67	10,117.64	6,491.54	5,156.02	-5,152.96	546.28	446,112.81	756,060.50	32.22453317	-103.63896172	0.00	0.00	0.00
	15,100.00	89.94	179.67	10,117.75	6,491.65	5,256.02	-5,252.96	546.86	446,012.81	756,061.08	32.22425830	-103.63896195	0.00	0.00	0.00
	15,200.00	89.94	179.67	10,117.85	6,491.75	5,356.02	-5,352.96	547.43	445,912.82	756,061.65	32.22398344	-103.63896218	0.00	0.00	0.00
	15,300.00	89.94	179.67	10,117.96	6,491.86	5,456.02	-5,452.96	548.01	445,812.82	756,062.23	32.22370857	-103.63896241	0.00	0.00	0.00
	15,400.00	89.94	179.67	10,118.07	6,491.97	5,556.02	-5,552.95	548.58	445,712.83	756,062.80	32.22343371	-103.63896264	0.00	0.00	0.00
	15,500.00	89.94	179.67	10,118.17	6,492.07	5,656.02	-5,652.95	549.16	445,612.84	756,063.38	32.22315884	-103.63896287	0.00	0.00	0.00
	15,600.00	89.94	179.67	10,118.28	6,492.18	5,756.02	-5,752.95	549.73	445,512.84	756,063.95	32.22288398	-103.63896310	0.00	0.00	0.00
	15,700.00	89.94	179.67	10,118.39	6,492.29	5,856.02	-5,852.95	550.31	445,412.85	756,064.53	32.22260911	-103.63896333	0.00	0.00	0.00
	15,800.00	89.94	179.67	10,118.49	6,492.39	5,956.02	-5,952.95	550.88	445,312.85	756,065.10	32.22233425	-103.63896356	0.00	0.00	0.00
	15,900.00	89.94	179.67	10,118.60	6,492.50	6,056.02	-6,052.95	551.46	445,212.86	756,065.68	32.22205938	-103.63896379	0.00	0.00	0.00
	16,000.00	89.94	179.67	10,118.70	6,492.60	6,156.02	-6,152.94	552.03	445,112.86	756,066.25	32.22178452	-103.63896402	0.00	0.00	0.00
	16,100.00	89.94	179.67	10,118.81	6,492.71	6,256.02	-6,252.94	552.61	445,012.87	756,066.83	32.22150965	-103.63896425	0.00	0.00	0.00
	16,200.00	89.94	179.67	10,118.92	6,492.82	6,356.02	-6,352.94	553.18	444,912.88	756,067.40	32.22123479	-103.63896448	0.00	0.00	0.00
	16,300.00	89.94	179.67	10,119.02	6,492.92	6,456.02	-6,452.94	553.76	444,812.88	756,067.98	32.22095992	-103.63896471	0.00	0.00	0.00
	16,400.00	89.94	179.67	10,119.13	6,493.03	6,556.02	-6,552.94	554.33	444,712.89	756,068.55	32.22068506	-103.63896494	0.00	0.00	0.00
	16,500.00	89.94	179.67	10,119.24	6,493.14	6,656.02	-6,652.94	554.91	444,612.89	756,069.13	32.22041019	-103.63896517	0.00	0.00	0.00
	16,600.00	89.94	179.67	10,119.34	6,493.24	6,756.02	-6,752.93	555.48	444,512.90	756,069.70	32.22013533	-103.63896540	0.00	0.00	0.00
	16,700.00	89.94	179.67	10,119.45	6,493.35	6,856.02	-6,852.93	556.06	444,412.90	756,070.28	32.21986046	-103.63896563	0.00	0.00	0.00
	16,800.00	89.94	179.67	10,119.55	6,493.45	6,956.02	-6,952.93	556.63	444,312.91	756,070.85	32.21958560	-103.63896586	0.00	0.00	0.00
	16,900.00	89.94	179.67	10,119.66	6,493.56	7,056.02	-7,052.93	557.21	444,212.92	756,071.43	32.21931073	-103.63896609	0.00	0.00	0.00
	17,000.00	89.94	179.67	10,119.77	6,493.67	7,156.02	-7,152.93	557.78	444,112.92	756,072.00	32.21903587	-103.63896632	0.00	0.00	0.00
	17,100.00	89.94	179.67	10,119.87	6,493.77	7,256.02	-7,252.93	558.36	444,012.93	756,072.58	32.21876100	-103.63896655	0.00	0.00	0.00
	17,200.00	89.94	179.67	10,119.98	6,493.88	7,356.02	-7,352.92	558.93	443,912.93	756,073.15	32.21848614	-103.63896678	0.00	0.00	0.00
	17,300.00	89.94	179.67	10,120.09	6,493.99	7,456.02	-7,452.92	559.51	443,812.94	756,073.73	32.21821127	-103.63896701	0.00	0.00	0.00
	17,400.00	89.94	179.67	10,120.19	6,494.09	7,556.02	-7,552.92	560.08	443,712.94	756,074.30	32.21793641	-103.63896724	0.00	0.00	0.00
	17,500.00	89.94	179.67	10,120.30	6,494.20	7,656.02	-7,652.92	560.66	443,612.95	756,074.88	32.21766154	-103.63896747	0.00	0.00	0.00
	17,600.00	89.94	179.67	10,120.41	6,494.31	7,756.02	-7,752.92	561.23	443,512.96	756,075.45	32.21738668	-103.63896770	0.00	0.00	0.00
	17,700.00	89.94	179.67	10,120.51	6,494.41	7,856.02	-7,852.92	561.81	443,412.96	756,076.03	32.21711181	-103.63896793	0.00	0.00	0.00
	17,800.00	89.94	179.67	10,120.62	6,494.52	7,956.02	-7,952.91	562.38	443,312.97	756,076.60	32.21683695	-103.63896816	0.00	0.00	0.00
	17,900.00	89.94	179.67	10,120.72	6,494.62	8,056.02	-8,052.91	562.96	443,212.97	756,077.18	32.21656208	-103.63896839	0.00	0.00	0.00
	18,000.00	89.94	179.67	10,120.83	6,494.73	8,156.02	-8,152.91	563.53	443,112.98	756,077.75	32.21628722	-103.63896862	0.00	0.00	0.00
	18,100.00	89.94	179.67	10,120.94	6,494.84	8,256.02	-8,252.91	564.11	443,012.98	756,078.33	32.21601235	-103.63896885	0.00	0.00	0.00
	18,200.00	89.94	179.67	10,121.04	6,494.94	8,356.02	-8,352.91	564.68	442,912.99	756,078.90	32.21573749	-103.63896908	0.00	0.00	0.00
	18,300.00	89.94	179.67	10,121.15	6,495.05	8,456.02	-8,452.91	565.26	442,813.00	756,079.48	32.21546262	-103.63896931	0.00	0.00	0.00
	18,400.00	89.94	179.67	10,121.26	6,495.16	8,556.02	-8,552.90	565.83	442,713.00	756,080.05	32.21518776	-103.63896954	0.00	0.00	0.00
	18,500.00	89.94	179.67	10,121.36	6,495.26	8,656.02	-8,652.90	566.41	442,613.01	756,080.63	32.21491289	-103.63896977	0.00	0.00	0.00
	18,600.00	89.94	179.67	10,121.47	6,495.37	8,756.02	-8,752.90	566.98	442,513.01	756,081.20	32.21463803	-103.63897000	0.00	0.00	0.00
	18,700.00	89.94	179.67	10,121.57	6,495.47	8,856.02	-8,852.90	567.56	442,413.02	756,081.78	32.21436316	-103.63897022	0.00	0.00	0.00
	18,800.00	89.94	179.67	10,121.68	6,495.58	8,956.02	-8,952.90	568.13	442,313.02	756,082.35	32.21408830	-103.63897045	0.00	0.00	0.00
Pool NMNM0553642 exit to NMI	18,821.00	89.94	179.67	10,121.70	6,495.60	8,977.02	-8,973.90	568.25	442,292.03	756,082.47	32.21403057	-103.63897050	0.00	0.00	0.00
	18,900.00	89.94	179.67	10,121.79	6,495.69	9,056.02	-9,052.89	568.71	442,213.03	756,082.93	32.21381343	-103.63897068	0.00	0.00	0.00
	19,000.00	89.94	179.67	10,121.89	6,495.79	9,156.02	-9,152.89	569.28	442,113.04	756,083.50	32.21353857	-103.63897091	0.00	0.00	0.00
	19,100.00	89.94	179.67	10,122.00	6,495.90	9,256.02	-9,252.89	569.86	442,013.04	756,084.08	32.21326370	-103.63897114	0.00	0.00	0.00
	19,200.00	89.94	179.67	10,122.11	6,496.01	9,356.02	-9,352.89	570.43	441,913.05	756,084.65	32.21298883	-103.63897137	0.00	0.00	0.00
	19,300.00	89.94	179.67	10,122.21	6,496.11	9,456.02	-9,452.89	571.01	441,813.05	756,085.23	32.21271397	-103.63897160	0.00	0.00	0.00
	19,400.00	89.94	179.67	10,122.32	6,496.22	9,556.02	-9,552.89	571.58	441,713.06	756,085.80	32.21243910	-103.63897183	0.00	0.00	0.00
	19,500.00	89.94	179.67	10,122.42	6,496.32	9,656.02	-9,652.88	572.16	441,613.06	756,086.38	32.21216424	-103.63897206	0.00	0.00	0.00
	19,600.00	89.94	179.67	10,122.53	6,496.43	9,756.02	-9,752.88	572.73	441,513.07	756,086.95	32.21188937	-103.63897229	0.00	0.00	0.00
	19,700.00	89.94	179.67	10,122.64	6,496.54	9,856.02	-9,852.88	573.31	441,413.08	756,087.53	32.21161451	-103.63897252	0.00	0.00	0.00
	19,800.00	89.94	179.67	10,122.74	6,496.64	9,956.02	-9,952.88	573.88	441,313.08	756,088.10	32.21133964	-103.63897275	0.00	0.00	0.00
	19,900.00	89.94	179.67	10,122.85	6,496.75	10,056.02	-10,052.88	574.46	441,213.09	756,088.68	32.21106478	-103.63897298	0.00	0.00	0.00
	20,000.00	89.94	179.67	10,122.96	6,496.86	10,156.02	-10,152.88	575.03	441,113.09	756,089.25	32.21078991	-103.63897321	0.00	0.00	0.00
Dos Equis 11-14 Fed Com 154H	20,041.55	89.94	179.67	10,123.00	6,496.90	10,197.57	-10,194.42	575.27	441,071.55	756,089.49	32.21067572	-103.63897330	0.00	0.00	0.00

Survey Type: Def Plan

Survey Error Model: ISCWSA0 3 - D 95 % Confidence 2.7955 sigma

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	9,500.000	1/100.000	′.5 – 12.25 – 8.75	5 – 10.75 – 7.625		A001Mb_MWD		Dos Equis 11-14 Fed Com 154H / Coterra Dos Equ
	1	9,500.000	20,041.546	1/100.000	8.75 – 6.75	7.625 – 5		A008Mb_MWD+IFR1+MS		Dos Equis 11-14 Fed Com 154H / Coterra Dos Equ

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,000.000	17.500	13.375	
5,016.539	12.250	10.750	
9,517.361	8.750	7.625	
20,041.546	6.750	5.000	

COTERRA

Rev0

COTERRA

Borehole:	Well:	Field:	Structure:
Dos Equis 11-14 Fed Com 154H	Dos Equis 11-14 Fed Com 154H	NM Lea County (NAD 83)	Coterra Dos Equis 11-14 Federal Com Pad (A)

Gravity & Magnetic Parameters						Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet				Miscellaneous			
Model:	HDGM 2025	Dip:	59.734°	Date:	08-Jul-2025	Lat:	N 32 14 19.34	Northing:	451265.56ftUS	Grid Conv:	0.3695°	Slot:	Dos Equis 11-14 Fed Com 154H	TVD Ref:	RKB (3626.100 ft above MSL)
MagDec:	6.101°	FS:	47215.425nT	Gravity FS:	998.438mgn (9.80665 Based)	Lon:	W 103 38 26.23	Easting:	755514.24ftUS	Scale Fact:	0.99996163	Plan:	Coterra Dos Equis 11-14 Fed Com 154H Rev0 kFc 08Jul25		

Critical Points

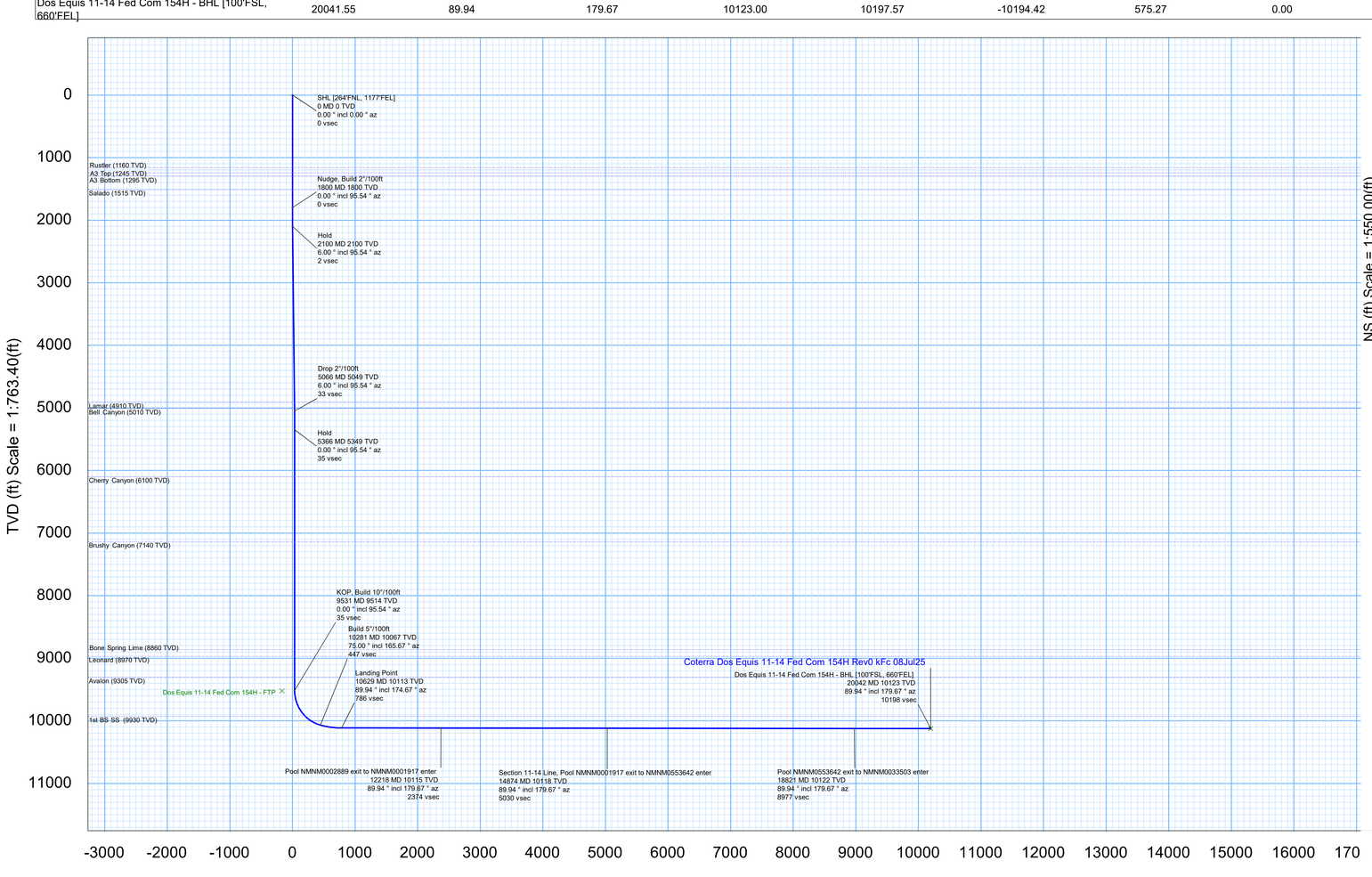
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [264'FNL, 1177'FEL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rustler	1160.00	0.00	95.54	1160.00	0.00	0.00	0.00	0.00
A3 Top	1245.00	0.00	95.54	1245.00	0.00	0.00	0.00	0.00
A3 Bottom	1295.00	0.00	95.54	1295.00	0.00	0.00	0.00	0.00
Salado	1515.00	0.00	95.54	1515.00	0.00	0.00	0.00	0.00
Nudge, Build 2°/100ft	1800.00	0.00	95.54	1800.00	0.00	0.00	0.00	0.00
Hold	2100.13	6.00	95.54	2099.59	1.61	-1.52	15.63	2.00
Lamar	4926.04	6.00	95.54	4910.00	31.85	-30.07	309.77	0.00
Bell Canyon	5026.59	6.00	95.54	5010.00	32.93	-31.08	320.24	0.00
Drop 2°/100ft	5066.26	6.00	95.54	5049.44	33.35	-31.48	324.37	0.00
Hold	5366.39	0.00	95.54	5349.03	34.96	-33.00	340.00	2.00
Cherry Canyon	6117.36	0.00	95.54	6100.00	34.96	-33.00	340.00	0.00
Brushy Canyon	7157.36	0.00	95.54	7140.00	34.96	-33.00	340.00	0.00
Bone Spring Lime	8877.36	0.00	95.54	8860.00	34.96	-33.00	340.00	0.00
Leonard	8987.36	0.00	95.54	8970.00	34.96	-33.00	340.00	0.00
Avalon	9322.36	0.00	95.54	9305.00	34.96	-33.00	340.00	0.00
KOP, Build 10°/100ft	9531.39	0.00	95.54	9514.03	34.96	-33.00	340.00	0.00
1st BS SS	9996.92	46.55	165.67	9930.00	208.58	-206.37	384.29	10.00
Build 5°/100ft	10281.39	75.00	165.67	10067.46	447.01	-444.45	445.11	10.00
Landing Point	10629.15	89.94	174.67	10113.00	785.79	-782.91	503.28	5.00
	10709.15	89.94	174.67	10113.08	865.49	-862.56	510.71	0.00
	10959.17	89.94	179.67	10113.35	1115.20	-1112.20	523.05	2.00
Pool NMNM0002889 exit to NMNM0001917 enter Section 11-14 Line, Pool NMNM0001917 exit to NMNM0553642 enter	12218.00	89.94	179.67	10114.69	2374.02	-2371.01	530.29	0.00
	14874.00	89.94	179.67	10117.51	5030.02	-5026.96	545.56	0.00
Pool NMNM0553642 exit to NMNM0033503 enter	18821.00	89.94	179.67	10121.70	8977.02	-8973.90	568.25	0.00
Dos Equis 11-14 Fed Com 154H - BHL [100'FSL, 660'FEL]	20041.55	89.94	179.67	10123.00	10197.57	-10194.42	575.27	0.00

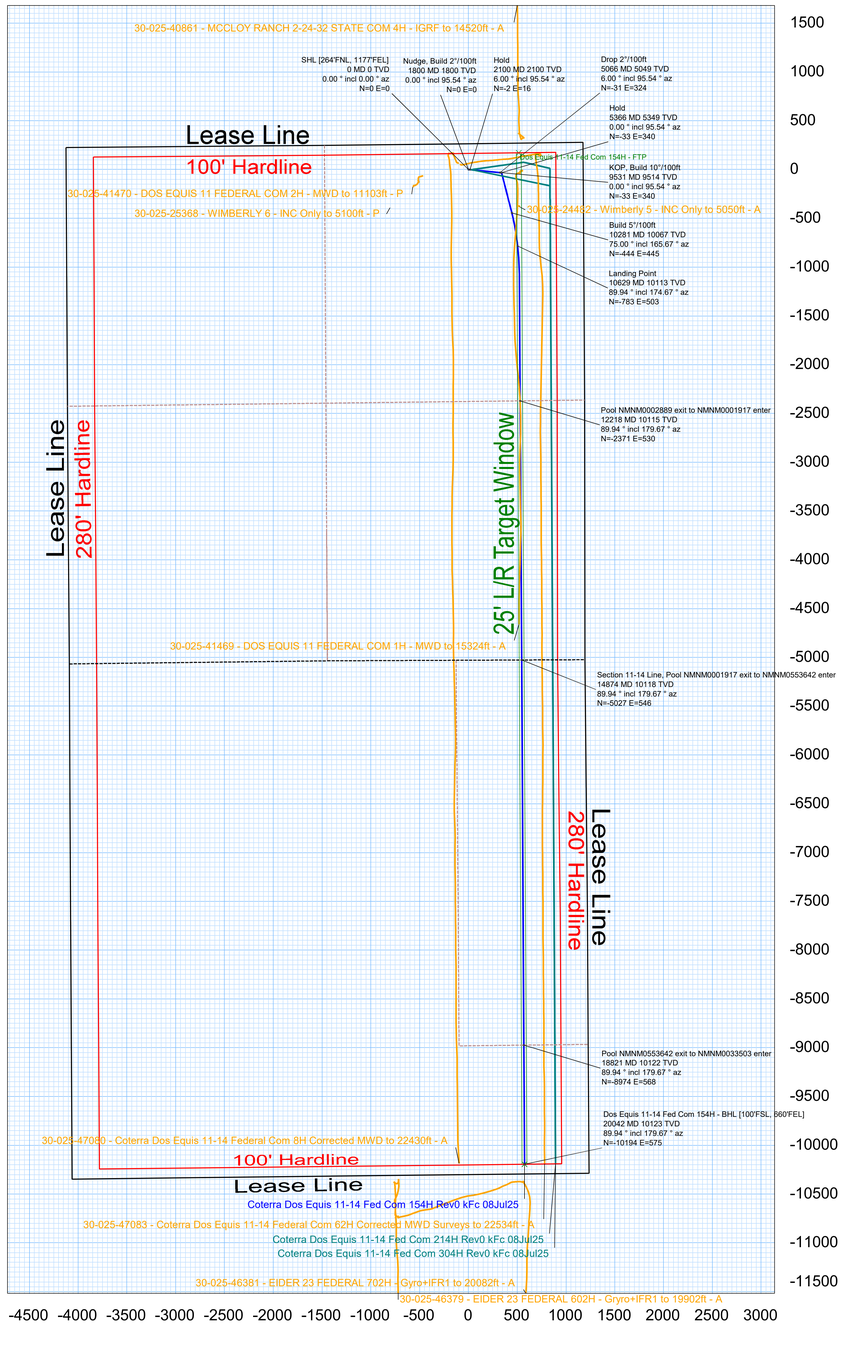
D E C **CONTROLLED**

Plan ref	Coterra Dos Equis 11-14 Fed Com 154H Rev0 kFc 08Jul25
Drawing ref	
Copy number	of 3
Date	09-Jul-2025

1	Client	
2	Client	
3	Office	
4	Office	

Copy number for





1. Geological Formations

TVD of target 10,123
MD at TD 20,042

Pilot Hole TD N/A
Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1160	N/A	
Top of Salt	1515	N/A	
Base of Salt/Lamar	4910	N/A	
Top Delaware Sands/Bell Canyon	5010	N/A	
Cherry Canyon	6100	N/A	
Brushy Canyon	7140	N/A	
Bone Spring Lime	8860	N/A	
Leonard/Avalon Sand	8970	N/A	
Avalon Shale	9305	N/A	
1st Bone Spring Sand	9930	Hydrocarbons	
1st Bone Spring Sand - Target	10113	Hydrocarbons	

2. Casing Program

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1270	1270	13-3/8"	48.00	H-40	ST&C	1.35	3.16	5.28
12 1/4	0	4935	4935	9-5/8"	40.00	J-55	BT&C	1.42	1.49	3.19
8 3/4	0	9531	[redacted]							
8 3/4	9531	20042	10123	5-1/2"	20.00	P-110	BT&C	2.40	2.67	54.14
					BLM Minimum Safety Factor			1.125	1	1.6 Dry 1.8 Wet

TVD was used on all calculations.
All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

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

3. Cementing Program

Casing	# Sks	Wt. lb/gal	Yld ft3/sack	H2O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	616	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	165	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	924	12.90	1.88	9.65	12	Lead: 35:65 (Poz:C) + Salt + Bentonite
	289	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Production						
	3064	14.20	1.30	5.86	14:30	Tail: 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS

Casing String	TOC	% Excess
Surface	0	45
Intermediate	0	51
Production	4735	25

Cimarex request the ability to perform casing integrity tests after plug bump of cement job.

4. Pressure Control Equipment

	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size	Min Required WP	Type		Tested To
12 1/4	**13 5/8**	**10M**	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram		
			Other		
8 3/4	**13 5/8**	**10M**	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram	X	
			Other		

X	Formation integrity test will be performed per Onshore Order #2. 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 Onshore Oil and Gas Order #2 III.B.1.i.	
X	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.	
	N	Are anchors required by manufacturer?

5. Mud Program

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 1270'	Fresh Water	7.80 - 8.30	28	N/C
1270' to 4935'	Brine Water	9.83 - 10.33	30-32	N/C
4935' to 20042'	Oil Based Mud	8.30 - 8.80	50-70	N/C

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

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

6. Logging and Testing Procedures

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

Additional Logs Planned	Interval

7. Drilling Conditions

Condition	
BH Pressure at deepest TVD	4632 psi
Abnormal Temperature	No

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.	
X	H2S is present
X	H2S plan is attached

8. Other Facets of Operation

9. Wellhead

1. The multi-bowl wellhead will be installed by a vendor representative. A copy of the installation instructions has been sent to the BLM field office.

2. A packoff will be installed after running and cementing the production casing. This packoff will be tested to 10K psi.

BOPE Additional Information & Testing

1. After running the first string of casing, a 10M BOP/BOPE system with 5M annular will be installed. BOPs will be tested according to Onshore Order #2. BOPE will be tested to full rated pressure (10K for all BOPE except the annular, which is tested to 5K). For the low test, the system will be tested to 250 psi.

2. All BOP equipment will be tested utilizing a conventional test plug.

3. A remote kill line is included in the BOPE system

4. All casing strings will be tested per Onshore Order #2, to 0.22 psi/ft or 1,500 psi, whichever is greater, not to exceed 70% of casing burst.

5. If well conditions dictate, conventional slips will be set and BOPE will be tested to appropriate pressures based on permitted pressure requirements.

Additional Well Control Notes

1. In the event wellbore pressure encroaches to the maximum rated pressure of the annular, primary pressure control will be switched to the higher rated components (i.e., switch from annular to pipe rams) – upper pipe rams will be closed, and the annular opened in order to not exceed maximum rated pressures.

Well Control Plan

Warning Signs of a Kick

If a kick is ever suspected, perform flow check.

While Drilling:

1. Drilling break or increase in penetration rate
2. Increase of flow
3. Pit gain
4. Flow without pumping
5. Circulating pressure decrease and/or spm increase
6. Increase in gas cutting at the shakers
7. Decrease in cuttings at shakers

While Tripping:

1. Hole not taking the proper fill on trip out of hole
2. Hole returns too much mud on trip in hole
3. Flow without pumping

While Out of the Hole:

1. Flow
2. Pit gain

Well Control Procedures with Diverter

A TIW valve in the open position must be on the rig floor at all times.

If rotating head is installed:

1. Perform flow check.
2. If well is flowing, divert flow down flow line and through separator, before returning across shakers.
3. Swap to 10 ppg brine and circulate around. Notify superintendent.

4. If well becomes uncontrollable, close annular, which will open HCR to divert flow away from rig.

If rotating head is not installed:

1. Perform flow check.
2. If well is flowing uncontrollably, close annular, which will open HCR to divert flow away from rig.
3. Swap to 10 ppg brine and circulate around. Notify superintendent.
4. After 10 ppg is circulated around shut pumps off and perform flow check.

Well Control Procedures

Coterra follows a hard shut-in procedure. Choke will be in the closed position.

General Well Control

1. If in doubt, secure the well first, then inform your supervisor.
2. Never wait for approval to shut in the well.
3. Verify that the mud pump is off before you close the BOP.
4. Always check and verify the well is properly secured after shut in.
5. Always install TIW valve in the open position.
6. If TIW valve is installed and then closed, apply estimated DP shut-in pressure above valve before opening.
7. The weak link in the mud system and mud lines is the pressure relief valve or pop off valve on the mud pump.
8. Keep the TIW valve wrench in a designated location on the rig floor and in the open position.
9. Use a drill string float above the bit. Don't perforate or disable the float.
10. In the event wellbore pressure encroaches to the maximum rated pressure of the annular, primary pressure control will be switched to the higher rated components (i.e., switch from annular to pipe rams) – upper pipe rams will be closed, and the annular opened in order to not exceed maximum rated pressures.

Hard Shut-In

1. Remote choke is closed.
2. Stop pumping and space out.
3. Check for flow.
4. To shut in, close annular or pipe ram if no annular is present.
5. Open the HCR valve.
6. Check systems, bump float. Record Initial Shut in Drill pipe pressure and Initial shut in casing pressure.

Flow Check when on Bottom

1. Alert crew & stop rotating
2. Pick up and space out
3. Shut down pumps
4. Observe well for flow
5. Shut-in if flowing

Shutting in while Drilling

1. After flow has been detected via flow check, kill pumps, shut in well and open HCR
2. Verify well is shut-in and flow has stopped
3. Notify supervisory personnel
4. Record data
5. Begin go forward planning

Flow Check while Tripping

1. Alert crew & pick up / space out
2. Stop pipe movement. Set slips with tool joint accessible at rotary table
3. Install open TIW safety valve and close valve
4. Observe well for flow
5. Shut-in if flowing

Shutting in while Tripping

1. Install open TIW safety valve and close valve
2. Shut-in the well
3. Verify well is shut-in and flow has stopped
4. Install IBOP
5. Notify supervisory personnel
6. Record data; SICP, shut-in time, kick depth, and pit gain
7. Begin go forward planning

Shutting in while Out of Hole

1. Sound alarm
2. Shut-in well: close blind rams.
3. Verify well is shut-in and monitor pressures.
4. Notify supervisory personnel
5. Record data; SICP, shut-in time, kick depth, and pit gain
6. Begin go forward planning

Information to Record while Shut-In

1. Shut in drill pipe pressure every 5 minutes

2. Shut in casing pressure every 5 minutes
3. Pit gain
4. Total volume in pit system
5. Mud weight in suction pit
6. Current depth
7. Total depth
8. Time the well is shut in

H2S with Annular Diverter:

1. Kill Pumps, close annular, which will open HCR, to divert flow away from rig.
2. Muster and take head count.
3. Call ASSI to check location for H2S. Call Coterra superintendent.
4. After ASSI has checked for H2S the path forward will be decided from Coterra superintendent.

H2S with BOP's:

1. Kill pumps
2. Shut in annular with HCR open and chokes closed.
3. Muster and take head count.
4. Call ASSI to check location for H2S. Call Coterra superintendent.
5. After ASSI has checked for H2S. discuss path forward with Coterra superintendent

Procedure for Closing Blind Rams

- Open HCR valve (visually check that the HCR valve is open – stem in the valve is open, stem out the valve is closed).
- Verify all circulating pumps are off (mud pumps, trip tank pump, etc.)
- Ensure that the hydraulic choke is in the closed position.
- Close the blind rams and place the "blind rams closed, bleed pressure and remove hole cover before opening" sign on the console.
- Monitor the shut in casing pressure gauge periodically while the blinds are closed to ensure that wellbore pressure isn't building. If pressure build up is observed, monitor the shut in casing pressure more frequently & document. Notify rig management and Coterra representative of the pressure build up.
- Ensure that the inner bushings are locked into the master bushings if applicable.
- Install hole cover.

Procedure for Opening Blind Rams

- Make sure choke manifold is aligned correctly.
- Open the hydraulic choke to bleed any trapped pressure that may be under the blind rams. (Even if the casing pressure gauge is reading zero).

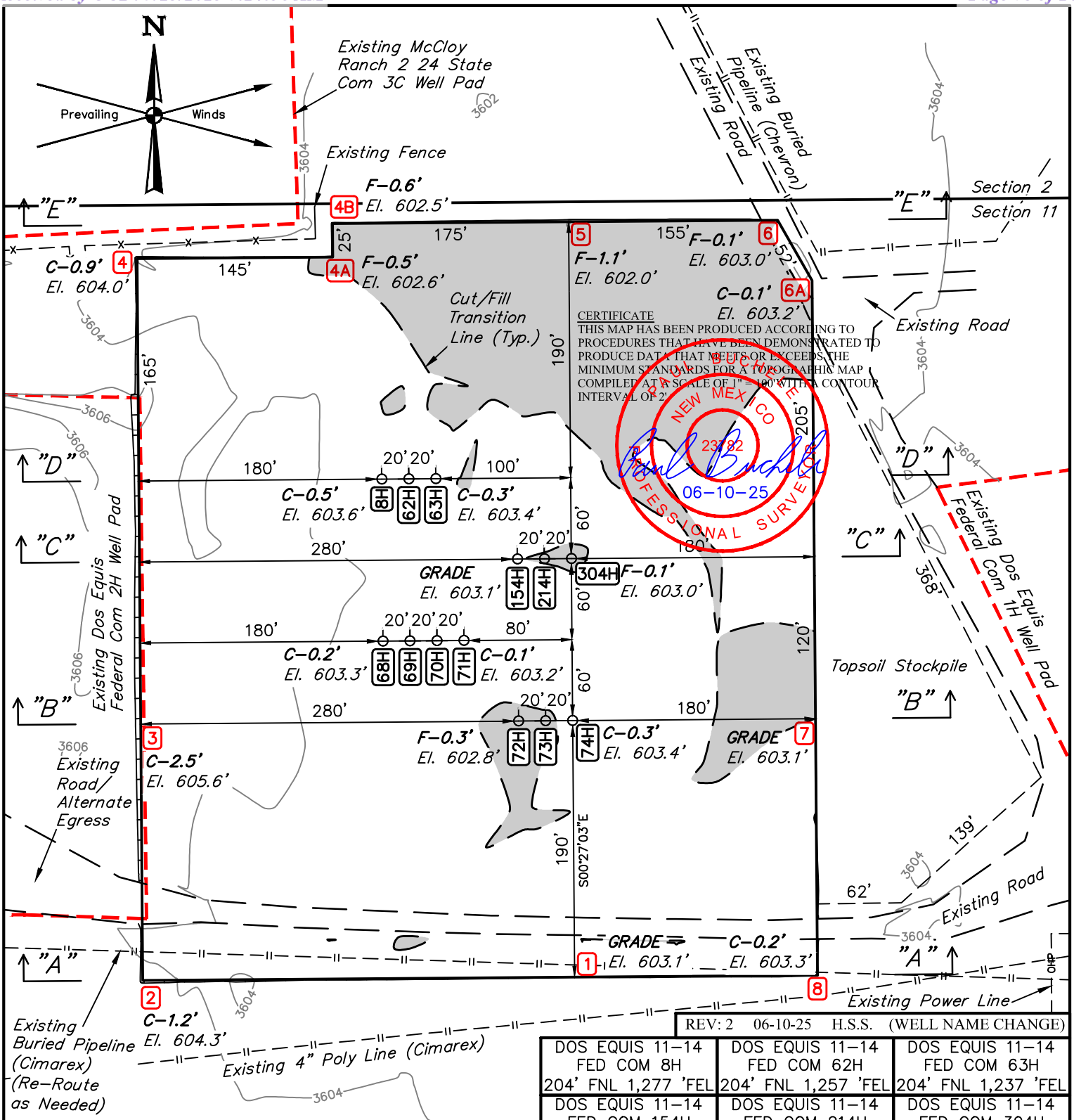
- Confirm that no flow is discharging into the trip tank or possum bellies of the shale shaker (wherever the separator is discharging into).
- Remove hole cover.
- Confirm that the inner bushing are locked into the master bushings if applicable.
- Clear all personnel from the rig floor.
- Remove sign and open blind rams.
- Return the BOPE to its original operating alignment.

BOP Drills

- Drilling crews should conduct BOP drills weekly from BOP nipple up to TD for reaction time to properly simulate securing the well. Record BOP drills on that day's report.
- Standard precautions such as checking the accumulator for proper working pressure, function testing rams, and recording slow pump rates are performed on a daily basis or on trips..
- All supervisory personnel onsite need to be properly trained and currently hold certification from an approved blowout prevention school. Any deviation from this needs to be discussed prior to spud.
- Drillers should always notify the tool pusher and the drilling foreman before performing a blowout drill.

Choke Manifold Freeze Prevention

- When possible, blow out the choke & kill lines as well as the choke manifold with rig air to remove water based fluids.
- When clear water is being placed into the choke & kill line as well as the choke manifold, make sure that the water has a mixture of 30% methanol added.
- When applicable, choke & kill lines as well as choke manifold needs to be pumped through with the rig pump by the driller to ensure that the lines aren't plugged with settling barite or solids.



REV: 2 06-10-25 H.S.S. (WELL NAME CHANGE)

DOS EQUIS 11-14 FED COM 8H 204' FNL 1,277 'FEL	DOS EQUIS 11-14 FED COM 62H 204' FNL 1,257 'FEL	DOS EQUIS 11-14 FED COM 63H 204' FNL 1,237 'FEL
DOS EQUIS 11-14 FED COM 154H 264' FNL 1,177 'FEL	DOS EQUIS 11-14 FED COM 214H 264' FNL 1,157 'FEL	DOS EQUIS 11-14 FED COM 304H 264' FNL 1,137 'FEL

Note: Earthwork calculations require a fill @ some location stakes for balance. All fill is to be compacted to a minimum of 95% of the maximum dry density obtained by AASHTO method t-99.

FINISHED GRADE ELEVATION = **3603.1'**

NOTES:

- Contours shown at 2' intervals.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Re-route existing utilities as needed.

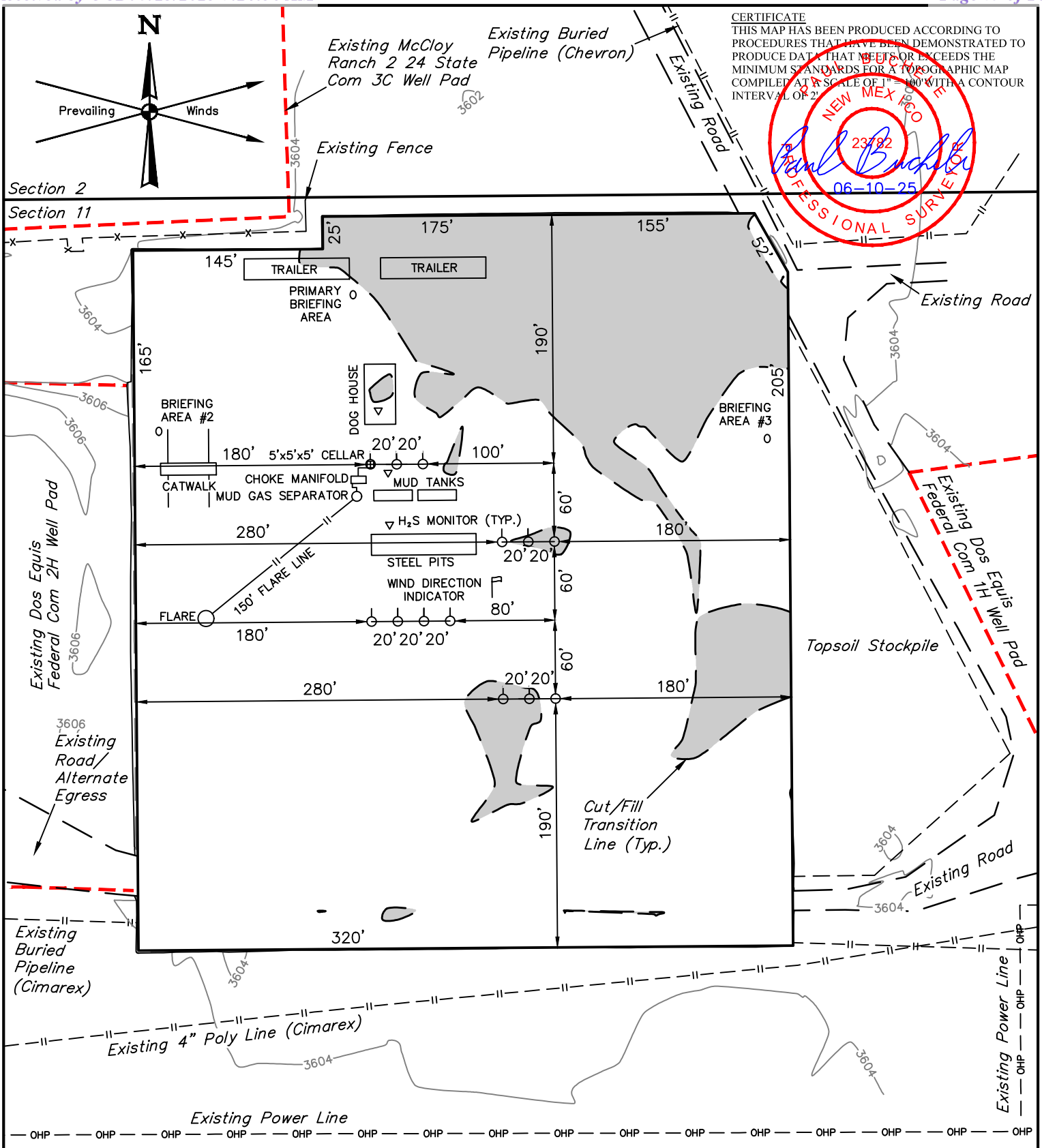
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

UINTAH ENGINEERING & LAND SURVEYING

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	S.F.	11-08-17	1" = 100'
LOCATION LAYOUT			EXHIBIT J



REV: 2 06-10-25 H.S.S. (WELL CHANGES)

NOTES:

- Contours shown at 2' intervals.
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Re-route existing utilities as needed.

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	S.F.	11-08-17	1" = 100'
TYPICAL RIG LAYOUT			EXHIBIT K

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

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: Cimarex Energy Company **OGRID:** 215099 **Date:** 7/25/2025

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
Dos Equis 11-14 Fed Com 154H		Sec 11 T24S, R32E	264 FNL/1177 FWL	248	1361	4782

IV. Central Delivery Point Name: _Dos Equis CTB ___ _____ [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
Dos Equis 11-14 Fed Com 154H		10/1/25	10/29/25	1/1/26	3/15/26	3/15/26

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.

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:	[redacted] Shelly Bowen
Printed Name:	Shelly Bowen
Title:	Sr. Regulatory Analyst
E-mail Address:	shelly.bowen@coterra.com
Date:	7/25/2025
Phone:	432/620-1644

OIL CONSERVATION DIVISION

(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

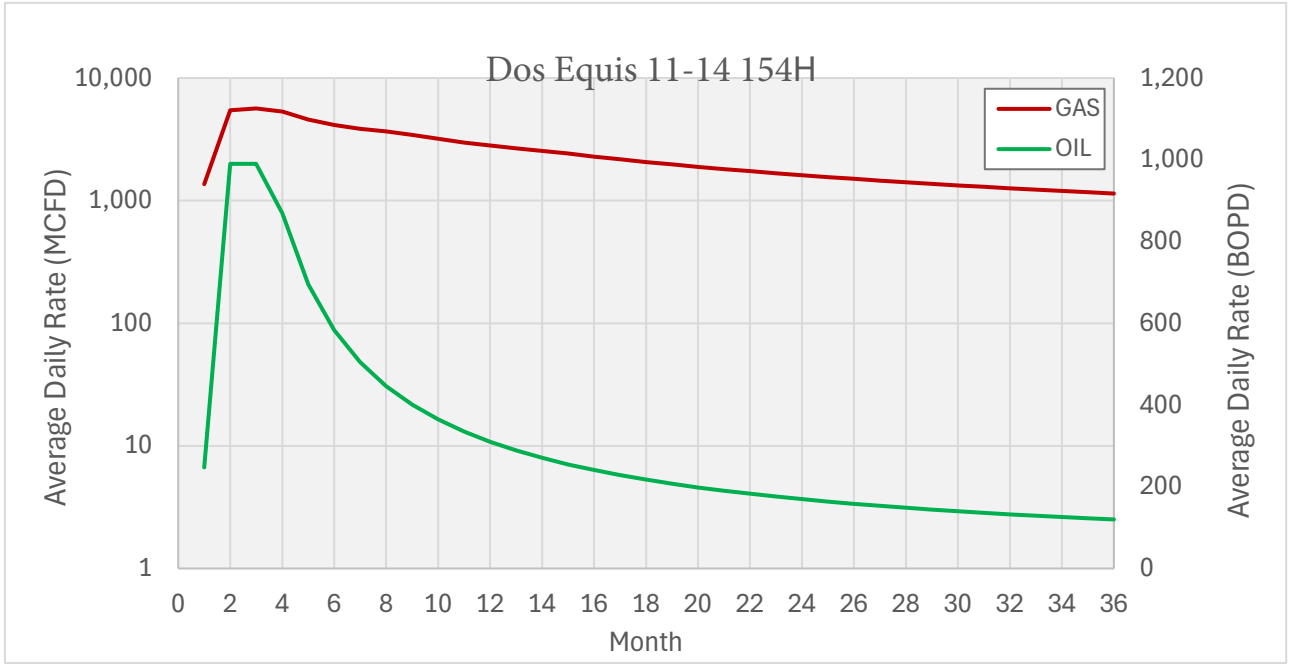
From State of New Mexico, Natural Gas Management Plan

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

XEC Standard Response

Standard facility gas process flow begins at the inlet separator. These vessels are designed based off of forecasted rates and residence times in accordance with, and often greater than, API 12J. The separated gas is then routed to an additional separation vessel (ie sales scrubber) in order to extract liquids that may have carried over or developed due to the decrease in pressure. The sales scrubber is sized based on API 521. From the sales scrubber, the gas leaves the facility and enters the gas midstream gathering network.

Dos Equis 11-14 154H	Dos Equis 11-14 154H
GAS MCFD	OIL BOPD
1361	248
5445	990
5646	990
5327	869
4584	695
4137	583
3849	505
3659	446
3441	401
3188	365
2982	335
2812	310
2669	289
2547	271
2420	255
2288	241
2171	228
2066	217
1971	207
1886	198
1808	190
1737	183
1672	176
1613	170
1557	164
1506	158
1458	153
1414	149
1372	144
1333	140
1296	136
1262	133
1229	129
1199	126
1169	123
1142	120


Dos Equis 11-14 154H
GAS
OIL
Average Daily Rate (MCFD)
Average Daily Rate (BOPD)
Month
10,000
1,000
100
10
1
1,200
1,000
800
600
400
200
0
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

Cimarex
VII. Operational Practices

Cimarex values the sustainable development of New Mexico's natural resources. Venting and flaring of natural gas is a source of waste in the industry, and Cimarex will ensure that its values are aligned with those of NMOCD. As such, Cimarex plans to take pointed steps to ensure compliance with Subsection A through F of 19.15.27.8 NMAC.

Specifically, below are the steps Cimarex will plan to follow under routine well commissioning and operations.

1. Capture or combust natural gas during drilling operations where technically feasible, using the best industry practices and control technologies.
    a. All flares during these operations will be a minimum of 100ft away from the nearest surface-hole location.
2. All gas present during post-completion drill-out and flow back will be routed through separation equipment, and, if technically feasible, flare unsellable vapors rather than vent. Lastly, formal sales separator commissioning to process well-stream fluids and send gas to a gas flow line/collection system or use the gas for on-site fuel or beneficial usage, gas as soon as is safe and technically feasible.
3. Cimarex will ensure the flare or combustion equipment is properly sized to handle expected flow rates, ensure this equipment is equipped with an automatic or continuous ignition source, and ensure this equipment is designed for proper combustion efficiency.
4. If Cimarex must flare because gas is not meeting pipeline specifications, Cimarex will limit flaring to <60 days, analyze gas composition at least twice per week, and route gas into a gathering pipeline as soon as pipeline specifications are met.
5. Under routine production operations, Cimarex will not flare/vent unless:
    a. Venting or flaring occurs due to an emergency or equipment malfunction.
    b. Venting or flaring occurs as a result of unloading practices, and an operator is onsite (or within 30 minutes of drive time and posts contact information at the wellsite) until the end of unloading practice.
    c. The venting or flaring occurs during automated plungerlift operations, in which case the Cimarex operator will work to optimize the plungerlift system to minimize venting/flaring.
    d. The venting or flaring occurs during downhole well maintenance, in which case Cimarex will work to minimize venting or flaring operations to the extent that it does not pose a risk to safe operations.
    e. The well is an exploratory well, the division has approved the well as an exploratory well, venting or flaring is limited to 12 months, as approved by the division, and venting/flaring does not cause Cimarex to breach its State-wide 98% gas capture requirement.
    f. Venting or flaring occurs because the stock tanks or other low-pressure vessels are being gauged, sampled, or liquids are being loaded out.
    g. The venting or flaring occurs because pressurized vessels are being maintained and are being blown-down or depressurized.
    h. Venting or flaring occurs as a result of normal dehydration unit operations.

i. Venting or flaring occurs as a result of bradenhead testing.
j. Venting or flaring occurs as a result of normal compressor operations, including general compressor operations, compressor engines and turbines.
k. Venting or flaring occurs as a result of a packer leakage test.
l. Venting or flaring occurs as a result of a production test lasting less than 24 hours unless otherwise approved by the division.
m. Venting or flaring occurs as a result of new equipment commissioning and is necessary to purge impurities from the pipeline or production equipment.

6. Cimarex will maintain its equipment in accordance with its Operations and Maintenance Program, to ensure venting or flaring events are minimized and that equipment is properly functioning.
7. Cimarex will install automatic tank gauging equipment on all production facilities constructed after May 25, 2021, to ensure minimal emissions from tank gauging practices.
8. By November 25, 2022, all Cimarex facilities equipped with flares or combustors will be equipped with continuous pilots or automatic igniters, and technology to ensure proper function, i.e. thermocouple, fire-eye, etc…
9. Cimarex will perform AVO (audio, visual, olfactory) facility inspections in accordance with NMOCD requirements. Specifically, Cimarex will:
    a. Perform weekly inspections during the first year of production, and so long as production is greater than 60 MCFD.
    b. If production is less than 60 MCFD, Cimarex will perform weekly AVO inspections when an operator is present on location, and inspections at least once per calendar month with at least 20 calendar days between inspections.
10. Cimarex will measure or estimate the volume of vented, flared or beneficially used natural gas, regardless of the reason or authorization for such venting or flaring.
11. On all facilities constructed after May 25, 2021, Cimarex will install metering where feasible and in accordance with available technology and best engineering practices, in an effort to measure how much gas could have been vented or flared.
    a. In areas where metering is not technically feasible, such as low-pressure/low volume venting or flaring applications, engineering estimates will be used such that the methodology could be independently verified.
12. Cimarex will fulfill the division's requirements for reporting and filing of venting or flaring that exceeds 50 MCF in volume or last eight hours or more cumulatively within any 24-hour period.

VIII. Best Management Practices to minimize venting during active and planned maintenance

Cimarex strives to ensure minimal venting occurs during active and planned maintenance activities. Below is a description of common maintenance practices, and the steps Cimarex takes to limit venting exposure.

- **Workovers:**
  - Always strive to kill well when performing downhole maintenance.
  - If vapors or trapped pressure is present and must be relieved then:
    - Initial blowdown to production facility:
      - Route vapors to LP flare if possible/applicable
    - Blowdown to portable gas buster tank:
      - Vent to existing or portable flare if applicable.

- **Stock tank servicing:**
  - Minimize time spent with thief hatches open.
  - When cleaning or servicing via manway, suck tank bottoms to ensure minimal volatiles exposed to atmosphere.
    - Connect vacuum truck to low pressure flare while cleaning bottoms to limit venting.
  - Isolate the vent lines and overflows on the tank being serviced from other tanks.

- **Pressure vessel/compressor servicing and associated blowdowns:**
  - Route to flare where possible.
  - Blow vessel down to minimum available pressure via pipeline, prior to venting vessel.
  - Preemptively changing anodes to reduce failures and extended corrosion related servicing.
  - When cleaning or servicing via manway, suck vessel bottoms to ensure minimal volatiles exposed to atmosphere.

- **Flare/combustor maintenance:**
  - Minimize downtime by coordinating with vendor and Cimarex staff travel logistics.
  - Utilizing preventative and predictive maintenance programs to replace high wear components before failure.
  - Because the flare/combustor is the primary equipment used to limit venting practices, ensure flare/combustor is properly maintained and fully operational at all times via routine maintenance, temperature telemetry, onsite visual inspections.

The Cimarex expectation is to limit all venting exposure. Equipment that may not be listed on this document is still expected to be maintained and associated venting during such maintenance minimized.

AustinHOSE

CERTIFICATE OF QUALITY

LTYY/QR-5.7.1-19B №: LT2024-156-001

Customer Name			
Product Name	Choke And Kill Hose		
Product Specification	3″×10000psi×35ft（10.67m）	Quantity	1PCS
Serial Number	VTC-7660257	FSL	FSL3
customer number	PO890145-001	Standard	API Spec 16C 3rd edition
Temperature Range	-29℃～+121℃	Inspection date	2024.09.03

Inspection Items	Inspection results
Appearance Checking	In accordance with API Spec 16C 3rd edition
Size and Lengths	In accordance with API Spec 16C 3rd edition
Dimensions and Tolerances	In accordance with API Spec 16C 3rd edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21st edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 17D 3rd edition
Hydrostatic Testing	In accordance with API Spec 16C 3rd edition
product Marking	In accordance with API Spec 16C 3rd edition
Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition
Remarks	16C-0403

Approver	Jane C	Auditor	Alice D	Inspector	Leo W

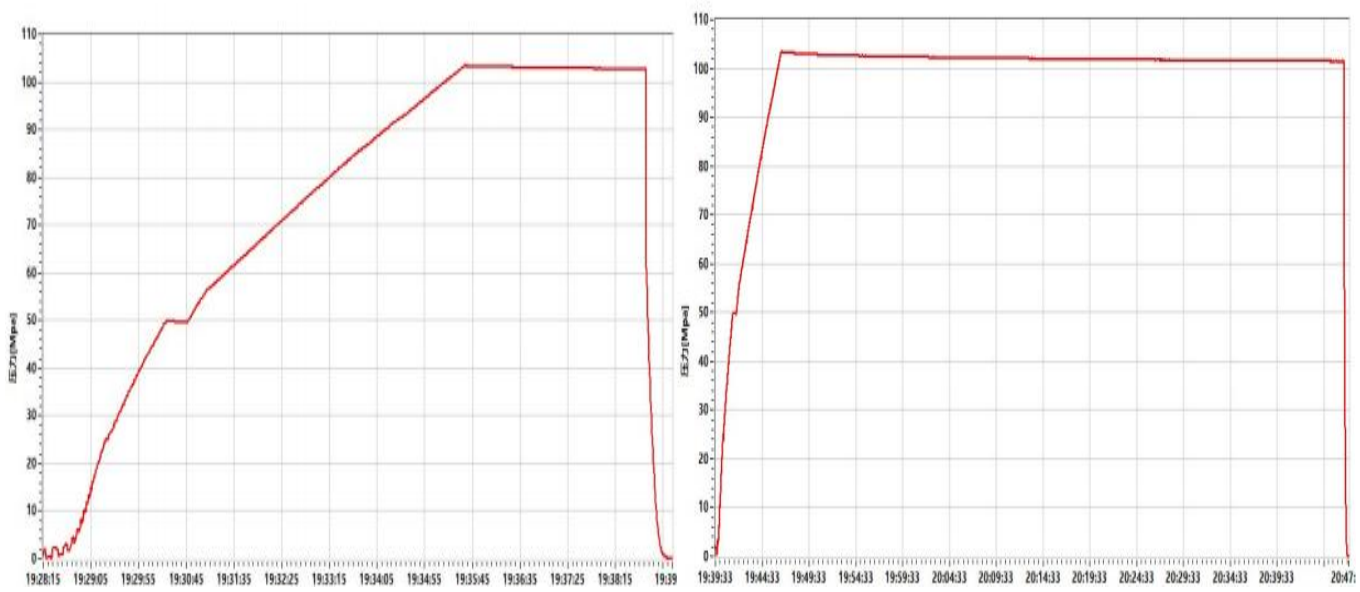
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD LETONE

HYDROSTATIC TESTING REPORT

LTYY/QR-5.7.1-28 №: 24090301

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3rd edition
Product Specification	3″×10000psi×35ft（10.67m）	Serial Number	VTC-7660257
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
customer number	PO890145-001	Inspection Date	2024.08.30
Rate of length change			
Standard requirements	At working pressure ,the rate of length change should not more than ±2%		
Testing result	10000psi (69.0MPa) ,Rate of length change 0.6%		
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 leakage.		
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 3rd edition 16C-0403				
Approver	Jane C	Auditor	Alice D	Inspector	Leo W

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

AustinHOSE

CERTIFICATE OF CONFORMANCE

№:LT24090307

Product Name：Choke And Kill Hose

Product Specification：3″×10000psi×35ft（10.67m）

Serial Number：VTC-7660257

customer number：PO890145-001

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 Sep,2024, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Sep 3, 2024. 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： Jane C Date:Sep 3, 2024

16C-0403

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	LETONE

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

SUPO Data Report
09/23/2025

APD ID: 10400106148
Submission Date: 07/24/2025
Operator Name: CIMAREX ENERGY COMPANY
Well Name: DOS EQUIS 11-14 FEDERAL COM
Well Number: 154H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

DOS_EQUIS_11_14_FEDERAL_COM_E2E2_road_map_plat_20250723101009.pdf
DOS_EQUIS_11_14_FEDERAL_COM_E2E2_road_map_plat_20250828140441.pdf

Existing Road Purpose: ACCESS
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? NO

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

DOS_EQUIS_11_14_FEDERAL_COM_E2E2_1_mile_radius_plat_20250723101033.pdf
DOS_EQUIS_11_14_FEDERAL_COM_E2E2_1_mile_radius_plat_20250828140515.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Production facilities are existing.

Production Facilities map:

Dos_Equis_11_14_Fed_Com_East_Zone_1_CTB_Battery_Layout_20200115092312.pdf
Dos_Equis_11_14_Fed_Com_East_Zone_2_CTB_Battery_Layout_20200115092304.pdf
DOS_EQUIS_11_14_FEDERAL_COM_E2E2_location_layout_plat_20250723101114.pdf
DOS_EQUIS_11_14_FEDERAL_COM_E2E2_flowlines_20250723101107.pdf
Dos_Equis_11_14_Fed_Com_East_Zone_1_CTB_Battery_Layout_20250828140941.pdf
Dos_Equis_11_14_Fed_Com_East_Zone_2_CTB_Battery_Layout_20250828140941.pdf
DOS_EQUIS_11_14_FEDERAL_COM_E2E2_location_layout_plat_20250828140551.pdf
DOS_EQUIS_11_14_FEDERAL_COM_E2E2_flowlines_20250828140551.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: MUNICIPAL

Water source use type: SURFACE CASING

INTERMEDIATE/PRODUCTION CASING

Source latitude: **Source longitude:**

Source datum:

City: Hobbs

Water source permit type: WATER RIGHT

Permit Number:

Water source transport method: TRUCKING

PIPELINE

Source land ownership: STATE

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

Source transportation land ownership: STATE

Water source volume (barrels): 5000 **Source volume (acre-feet):** 0.64446548

Source volume (gal): 210000

Water source and transportation

Dos_Equis_11_14_Fed_Com_E2E2_Drilling_Water_Source_Route_20190917114836.pdf
Dos_Equis_11_14_Fed_Com_E2E2_Drilling_Water_Source_Route_20250828140907.pdf

Water source comments:

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:

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: NO

Construction Materials description:

Construction Materials source location

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

Section 7 - Methods for Handling

Waste type: SEWAGE

Waste content description: Human Waste

Amount of waste: 300 gallons

Waste disposal frequency : Weekly

Safe containment description: Waste will be properly contained and disposed of properly at a state approved disposal facility.
Safe containmant attachment:

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

Disposal location description: A licensed 3rd party contractor will be used to haul and dispose human waste

Waste type: GARBAGE

Waste content description: Garbage and trash produced during drilling and completion operations

Amount of waste:

Waste disposal frequency : Weekly

Safe containment description: N/A

Safe containmant attachment:

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

Disposal location description: Windmill Spraying Service hauls trash to Lea County Landfill

Waste type: DRILLING

Waste content description: Drilling Fluids, drill cuttings, water and other waste produced from the well during drilling operations.
Amount of waste: 15000 barrels

Waste disposal frequency : Weekly

Safe containment description: N/A

Safe containmant attachment:

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

Disposal location description: Haul to R360 commercial Disposal

Reserve Pit

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

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

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

DOS_EQUIS_11_14_FEDERAL_COM_E2E2_archaeological_plat_20250723101212.pdf
DOS_EQUIS_11_14_FEDERAL_COM_E2E2_location_layout_plat_20250723101213.pdf
DOS_EQUIS_11_14_FEDERAL_COM_E2E2_archaeological_plat_20250828141022.pdf
DOS_EQUIS_11_14_FEDERAL_COM_E2E2_location_layout_plat_20250828141022.pdf

Comments:

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

Section 10 - Plans for Surface

Type of disturbance: No New Surface Disturbance **Multiple Well Pad Name:** Dos Equis Fed Com

Multiple Well Pad Number: E2E2

Recontouring

Dos_Equis_11_14_Fed_Com_E2E2_Interim_Reclaim_20190930143227.pdf

Dos_Equis_11_14_Fed_Com_E2E2_Interim_Reclaim_20250828141400.pdf

Drainage/Erosion control construction: To control and prevent potentially contaminated precipitation from leaving the pad site, a perimeter berm and settlement pond will be installed. Contaminated water will be removed from pond, stored in waste tanks, and disposed of at a state approved facility. Standing water or puddles will not be allowed. Drainage ditches would be established and maintained on the pad and along access roads to divert water away from operations. Natural drainage areas disturbed during construction would be re-contoured to near original condition prior to construction. Erosion Control Best Management Practices would be used where necessary and consist of seeding, fiber rolls, water bars, silt fences, and temporary diversion dikes. Areas disturbed during construction that are no longer needed for operations would be obliterated, re-contoured to near original condition prior to construction. Erosion Control Best Management Practices would be used where necessary and consist of seeding, fiber rolls, water bars, silt fences, and temporary diversion dikes. Areas disturbed during construction that are no longer needed for operations would be obliterated, re-contoured, and reclaimed to near original condition to re-establish natural drainage.

Drainage/Erosion control reclamation: All disturbed and re-contoured areas would be reseeded according to specifications. Approved seed mixtures would be certified weed free and consist of grasses, forbs, or shrubs similar to the surrounding area. Compacted soil areas may need to be obliterated and reclaimed to near natural conditions by re-contouring all slopes to facilitate and re-establish natural drainage.

Well pad proposed disturbance (acres):	**Well pad interim reclamation (acres):** 0	**Well pad long term disturbance (acres):** 0
Road proposed disturbance (acres):	**Road interim reclamation (acres):** 0	**Road long term disturbance (acres):** 0
Powerline proposed disturbance (acres):	**Powerline interim reclamation (acres):** 0	**Powerline long term disturbance (acres):** 0
Pipeline proposed disturbance (acres):	**Pipeline interim reclamation (acres):** 0	**Pipeline long term disturbance (acres):** 0
Other proposed disturbance (acres):	**Other interim reclamation (acres):** 0	**Other long term disturbance (acres):** 0
Total proposed disturbance: 0	**Total interim reclamation:** 0	**Total long term disturbance:** 0

Disturbance Comments: Well Pad- 7.258 acres.Bulk Lines= 2.758 acres- 2003'. East Zone 1 CTB= 4.946 acres. East Zone 2 CTB=4.975. Previously Approved new road= 5039' We have been working on engineering solutions to reduce our footprint in the section to lower cost, disturbance, and our economic hurdle for other marginal benches within the section to increase our total mineral recovery. It turns out that simply changing our flowline / well approach and moving our separation to our drilling pads significantly reduces our foot print and cost. By placing our separation on our drill pads we can use 6-12 Group lines to gather the separated oil gas and water from the entire section instead of using up to 90 flowlines to move production to the tank batteries for separation. The Group line ability to gather the entire section helps us eliminate 2 batteries per section by simply utilizing the group line approach.

Reconstruction method: After well plugging, all disturbed areas would be returned to the original contour or a contour that blends with the surrounding landform including roads unless the surface owner requests that they be left intact. In consultation with the surface owners it will be determined if any gravel or similar materials used to reinforce an area are to be removed, buried, or left in place during final reclamation. Salvaged topsoil, if any, would be re-spread evenly over the surfaces to be re-vegetated. As necessary, the soil surface would be prepared to provide a seedbed for re-establishment of desirable vegetation. Site preparation may include gouging, scarifying, dozer track-walking, mulching, or fertilizing. Reclamation, Re-vegetation, and Drainage: All disturbed and re-contoured areas would be reseeded using techniques outlined

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

under Phase I and II of this plan or as specified by the land owner. Approved seed mixtures would be certified weed free and consist of grasses, forbs, or shrubs similar to the surrounding area. Compacted soil areas may need to be obliterated and reclaimed to near natural conditions by re-contouring all slopes to facilitate and re-establish natural drainage.

Topsoil redistribution: Salvaged topsoil, if any, would be re-spread evenly over the surfaces to be re-vegetated.

Soil treatment: As necessary, the soil surface would be prepared to provide a seedbed for re-establishment of desirable vegetation. Site preparation may include gouging, scarifying, dozer track-walking, mulching or fertilizing.

Existing Vegetation at the well pad: N/A

Existing Vegetation at the well pad

Existing Vegetation Community at the road: N/A

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: N/A

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: N/A

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?

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

Seed reclamation

Operator Contact/Responsible Official

First Name: **Last Name:**

Phone: **Email:**

Seedbed prep:

Seed BMP:

Seed method:

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: N/A

Monitoring plan

Success standards: N/A

Pit closure description: N/A

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:

USFS Region:

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

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:

Use a previously conducted onsite? Y

Previous Onsite information: Moved well 56' west and 54' south so as to avoid gas pipelines. V-Door West. Top soil east. Interim reclamation: All sides. Access road at existing road at SE corner. Cut off NE corner of pad and only 130 ft. to the south. Pad size= 500' (E/W) x 510' (N/S). Flowlines from SW corner, south and west, to battery

Other SUPO

Dos_Equis_11_14_Fed_Com_62H_Lease_Map_20200115093104.pdf

Dos_Equis_11_14_Fed_Com_E2E2_Public_Road_Access_20190930144410.pdf

Dos_Equis_11_14_Fed_Com_E2E2__Temp_Frac_Water_route_20190930144341.pdf

BEGINNING AT THE INTERSECTION OF JAL HIGHWAY/HIGHWAY 128 AND AN EXISTING ROAD TO THE NORTHWEST (LOCATED AT NAD 83 LATITUDE N31.2103° AND LONGITUDE W103.5947°), PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 2.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY, THEN SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

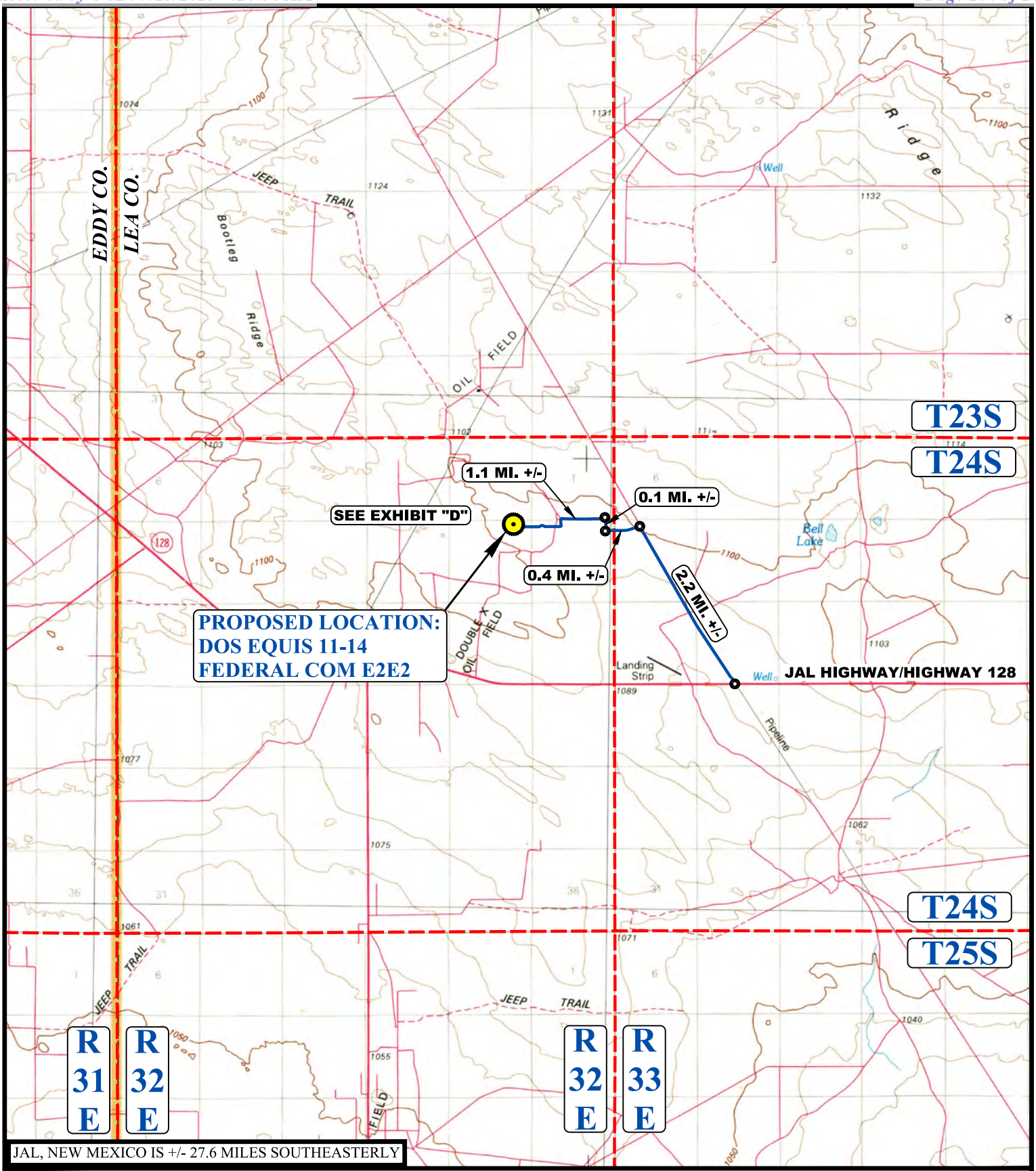
TOTAL DISTANCE FROM THE INTERSECTION OF JAL HIGHWAY/HIGHWAY 128 AND AN EXISTING ROAD TO THE NORTHWEST (LOCATED AT NAD 83 LATITUDE N31.2103° AND LONGITUDE W103.5947°) TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 3.9 MILES.

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	A.V., R.D.	10-11-17	
DRAWN BY	J.A.	10-19-17	
ROAD DESCRIPTION			**EXHIBIT A**



LEGEND:

- PROPOSED LOCATION

N

CIMAREX ENERGY CO.

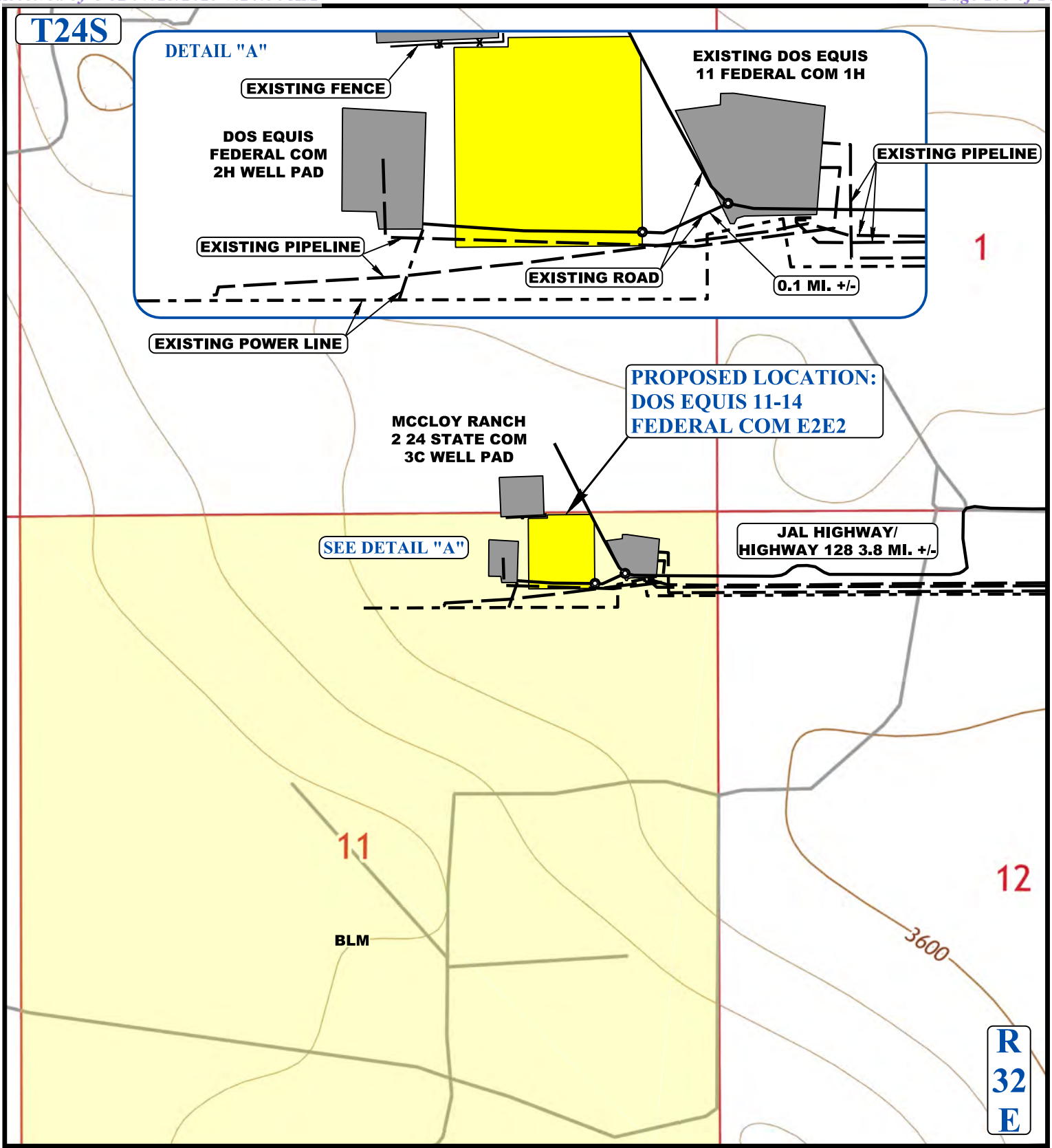
DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	J.A.	10-19-17	1 : 100,000

PUBLIC ACCESS ROAD MAP **EXHIBIT B**

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- EXISTING POWER LINE
- EXISTING PIPELINE
- EXISTING FENCE

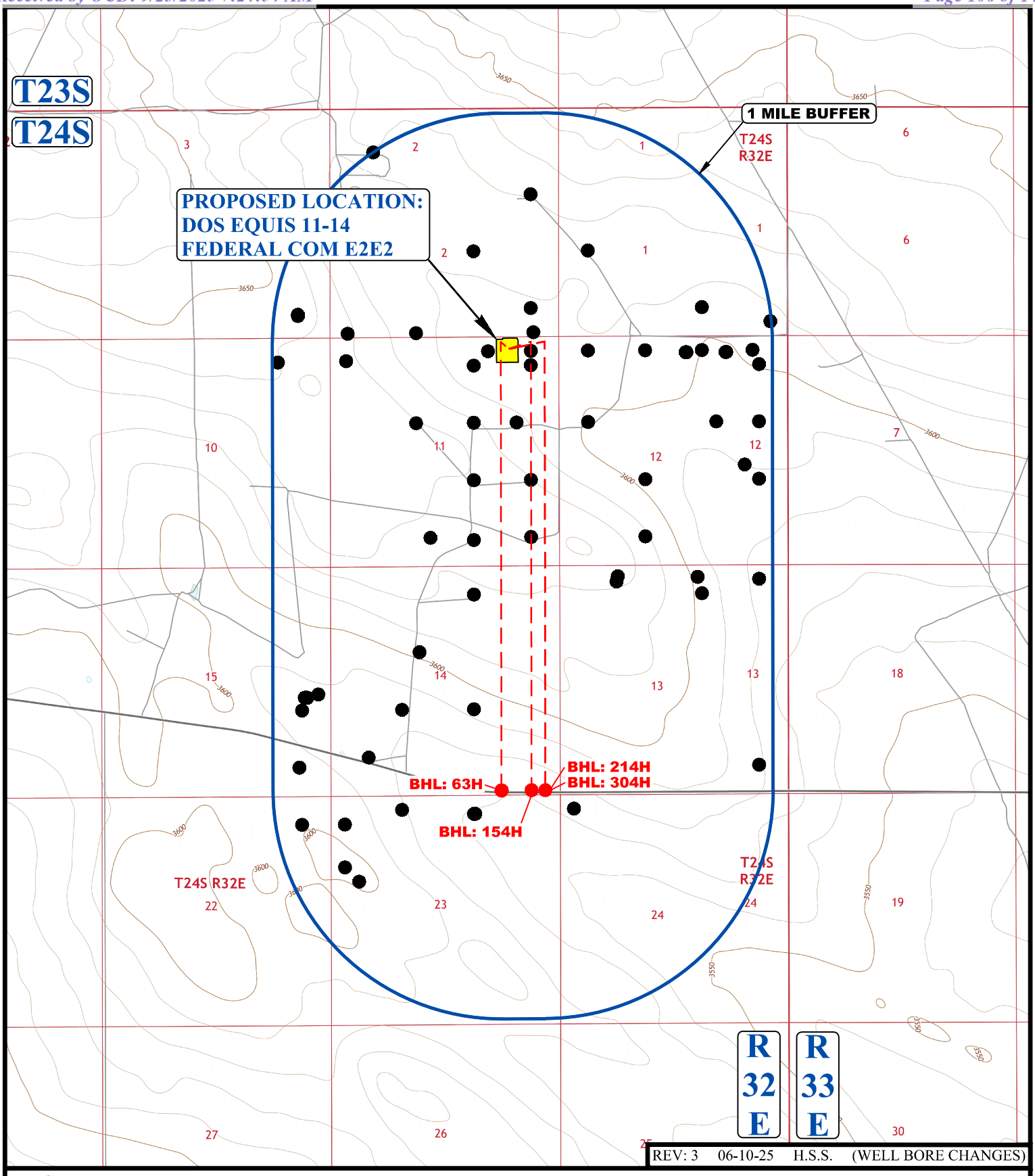
N

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	J.A.	10-19-17	1 : 12,000
NEW ROAD MAP			EXHIBIT D

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



REV: 3 06-10-25 H.S.S. (WELL BORE CHANGES)

LEGEND:

● EXISTING WELLS

N

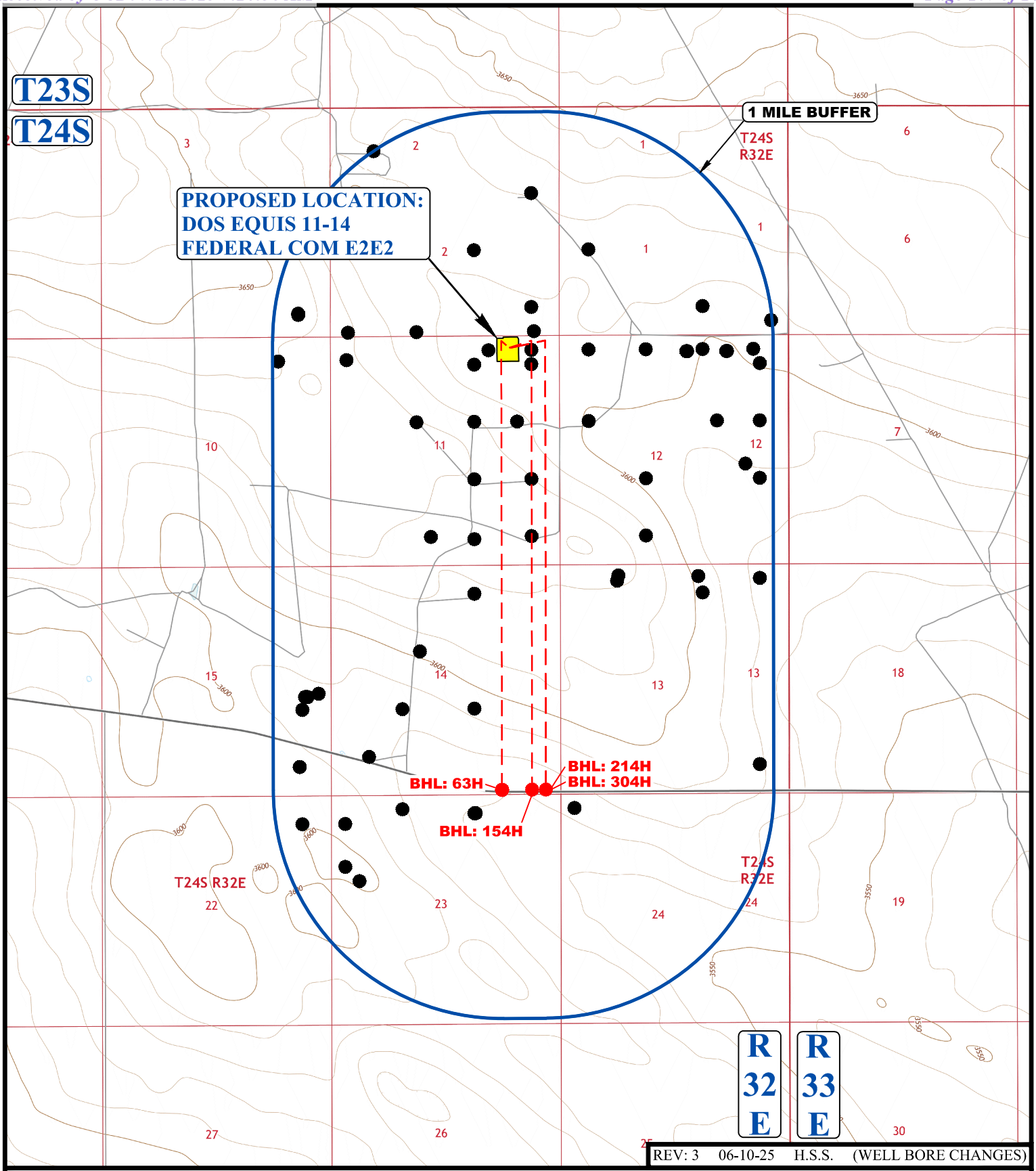
CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	J.A.	10-19-17	1 : 36,000
ONE MILE RADIUS			EXHIBIT E

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



REV: 3 06-10-25 H.S.S. (WELL BORE CHANGES)

LEGEND:

● EXISTING WELLS

N

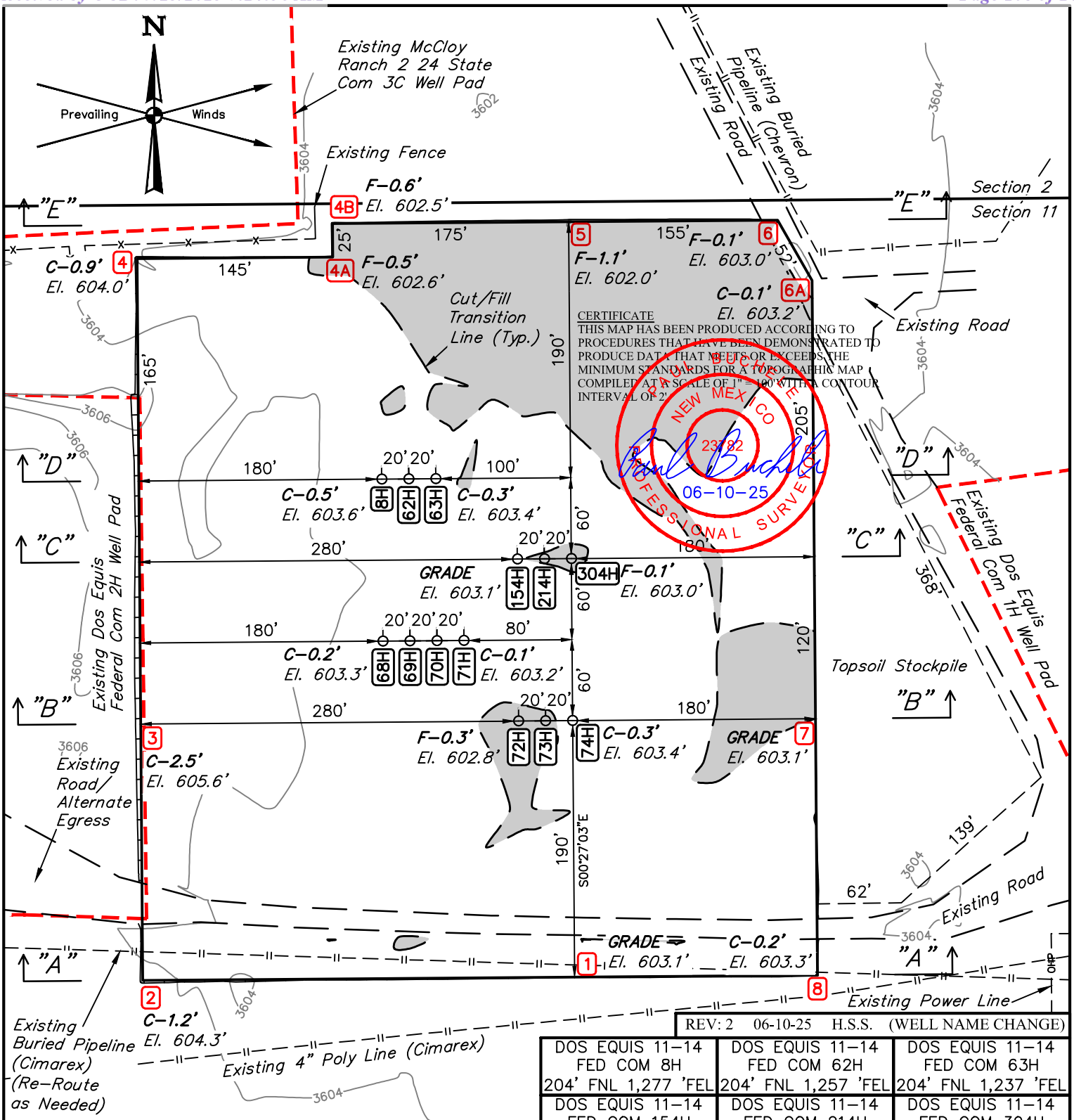
CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	J.A.	10-19-17	1 : 36,000
ONE MILE RADIUS			EXHIBIT E

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



REV: 2 06-10-25 H.S.S. (WELL NAME CHANGE)

DOS EQUIS 11-14 FED COM 8H 204' FNL 1,277 'FEL	DOS EQUIS 11-14 FED COM 62H 204' FNL 1,257 'FEL	DOS EQUIS 11-14 FED COM 63H 204' FNL 1,237 'FEL
DOS EQUIS 11-14 FED COM 154H 264' FNL 1,177 'FEL	DOS EQUIS 11-14 FED COM 214H 264' FNL 1,157 'FEL	DOS EQUIS 11-14 FED COM 304H 264' FNL 1,137 'FEL

Note: Earthwork calculations require a fill @ some location stakes for balance. All fill is to be compacted to a minimum of 95% of the maximum dry density obtained by AASHTO method t-99.

FINISHED GRADE ELEVATION = **3603.1'**

NOTES:

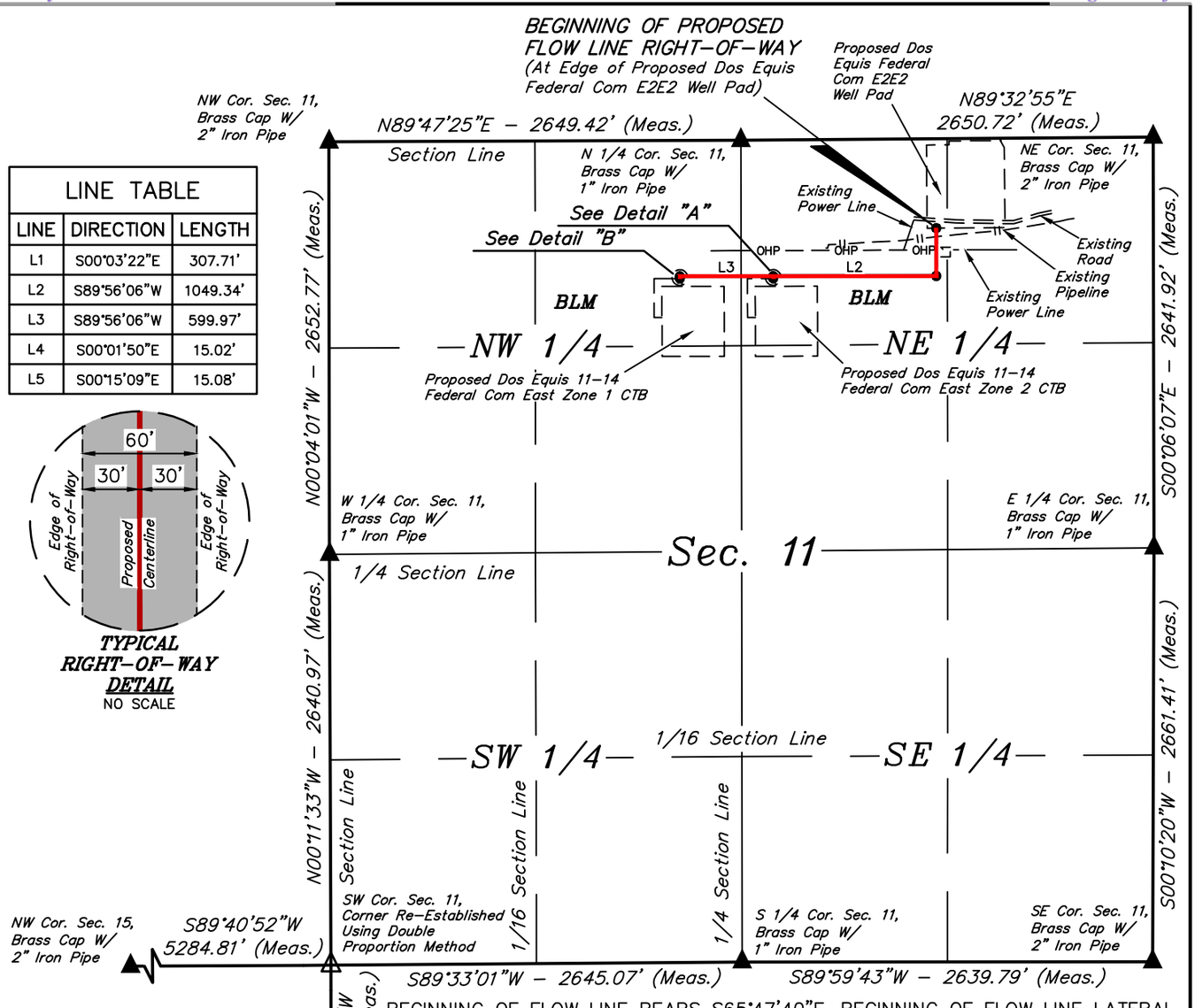
- Contours shown at 2' intervals.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Re-route existing utilities as needed.

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	S.F.	11-08-17	1" = 100'
LOCATION LAYOUT			EXHIBIT J



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°03'22"E	307.71'
L2	S89°56'06"W	1049.34'
L3	S89°56'06"W	599.97'
L4	S00°01'50"E	15.02'
L5	S00°15'09"E	15.08'

ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	1562.42	94.69	2.152
SEC. 11 (NW 1/4)	BLM	409.63	24.83	0.564
TOTAL		1972.05	119.52	2.716

ACREAGE / LENGTH TABLE-LATERAL "A"

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	15.08	0.91	0.021

△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

▲ = SECTION CORNERS LOCATED.

CERTIFICATE

THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 11-13-17

FILE: 62376-A1

Sheet 1 of 2

NOTES:

- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

N

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 1)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	1" = 1000'
FLOW LINE R-O-W			EXHIBIT M

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 1)			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'16.26"	W 103°38'28.79"
1	3+07.71	N 32°14'13.22"	W 103°38'28.79"
2	13+57.05	N 32°14'13.23"	W 103°38'41.01"
3	19+57.03	N 32°14'13.24"	W 103°38'47.99"
END	19+72.05	N 32°14'13.09"	W 103°38'47.99"

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 1) LATERAL "A"			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'13.23"	W 103°38'41.01"
END	0+15.08	N 32°14'13.08"	W 103°38'41.01"

DOS EQUIS 11-14 FEDERAL COM E2E2			
SECTION CORNER	DESCRIPTION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'21.84"	W 103°39'14.23"
N 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°14'21.88"	W 103°38'43.39"
NE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'22.02"	W 103°38'12.54"
E 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.88"	W 103°38'12.55"
SE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.55"	W 103°38'12.72"
S 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'29.61"	W 103°38'43.44"
SW COR. SEC. 11, T24S, R32E	CORNER RE-ESTABLISHED	N 32°13'29.46"	W 103°39'14.23"
W 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.59"	W 103°39'14.26"
W 1/4 COR. SEC. 14, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'03.33"	W 103°39' 14.27"
NW COR. SEC. 15, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.28"	W 103°40' 15.74"

FLOW LINE RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S65°47'40"E 1376.69' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°03'22"E 307.71'; THENCE S89°56'06"W 1049.34'; THENCE S89°56'06"W 599.97'; THENCE S00°01'50"E 15.02' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S23°51'59"W 972.19' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 2.716 ACRES MORE OR LESS.

FLOW LINE LATERAL "A" RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S13°18'36"E 897.46' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°15'09"E 15.08' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S13°05'45"E 912.16' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.021 ACRES MORE OR LESS.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR
11–13–17

FILE: 62376-A2

Sheet 2 of 2

NOTES:

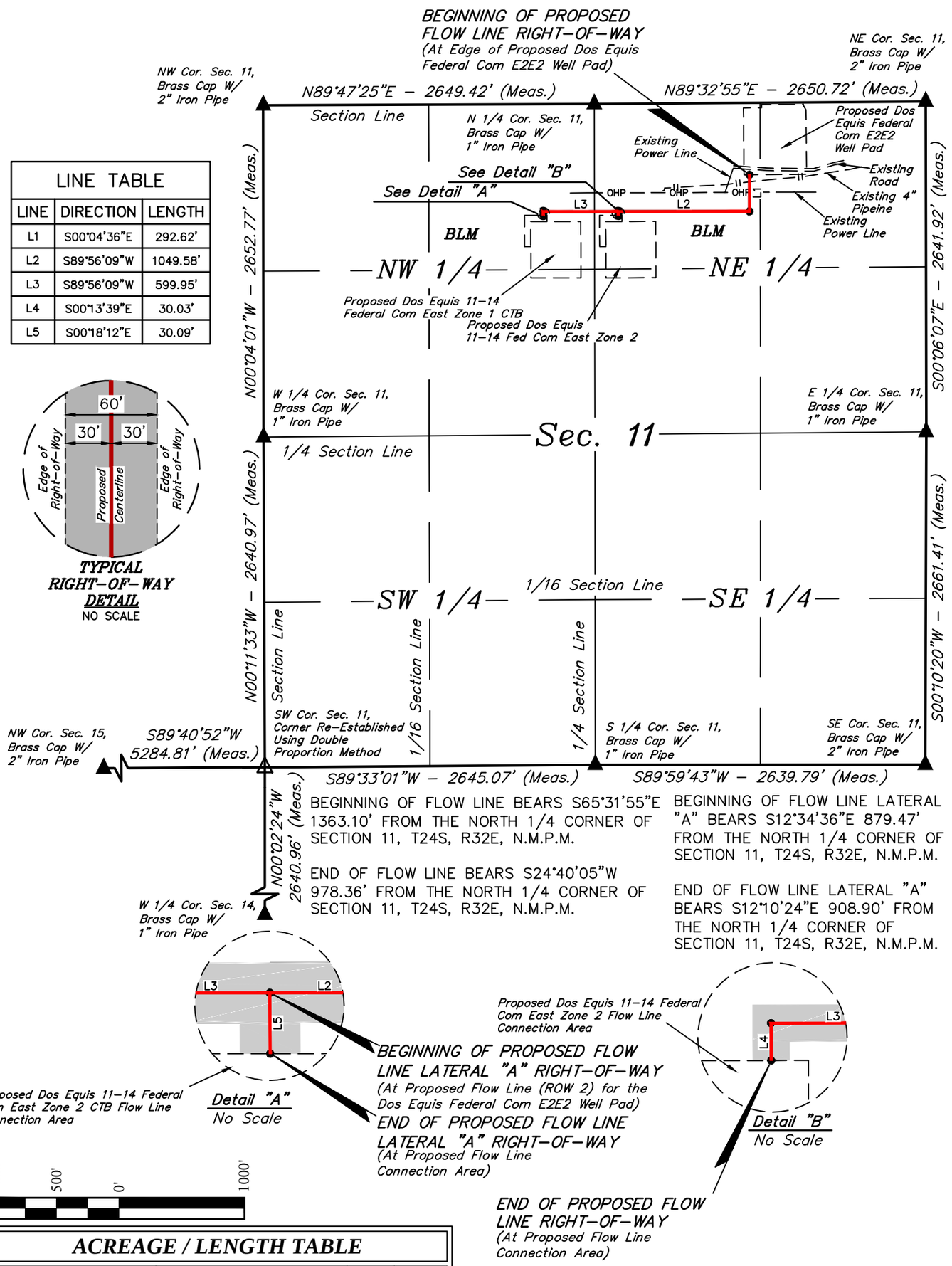
CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 1)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	N/A
FLOW LINE R-O-W			EXHIBIT M



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°04'36"E	292.62'
L2	S89°56'09"W	1049.58'
L3	S89°56'09"W	599.95'
L4	S00°13'39"E	30.03'
L5	S00°18'12"E	30.09'

ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	1532.47	92.88	2.111
SEC. 11 (NW 1/4)	BLM	439.71	26.65	0.606
TOTAL		1972.18	119.53	2.717

ACREAGE / LENGTH TABLE-LATERAL "A"

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	30.09	1.82	0.041

△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

▲ = SECTION CORNERS LOCATED.

CERTIFICATE

THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 11-13-17

FILE: 62376-B1

Sheet 1 of 2

NOTES:

- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 2)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	1" = 1000'
FLOW LINE R-O-W			EXHIBIT M

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017
UINTAH ENGINEERING & LAND SURVEYING

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 2)			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'16.26"	W 103°38'28.96"
1	2+92.62	N 32°14'13.37"	W 103°38'28.97"
2	13+42.20	N 32°14'13.38"	W 103°38'41.18"
3	19+42.14	N 32°14'13.39"	W 103°38'48.17"
END	19+72.18	N 32°14'13.09"	W 103°38'48.17"

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 2) LATERAL "A"			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'13.38"	W 103°38'41.18"
END	0+30.09	N 32°14'13.08"	W 103°38'41.18"

DOS EQUIS 11-14 FEDERAL COM E2E2			
SECTION CORNER	DESCRIPTION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'21.84"	W 103°39'14.23"
N 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°14'21.88"	W 103°38'43.39"
NE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'22.02"	W 103°38'12.54"
E 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.88"	W 103°38'12.55"
SE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.55"	W 103°38'12.72"
S 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'29.61"	W 103°38'43.44"
SW COR. SEC. 11, T24S, R32E	CORNER RE-ESTABLISHED	N 32°13'29.46"	W 103°39'14.23"
W 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.59"	W 103°39'14.26"
W 1/4 COR. SEC. 14, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'03.33"	W 103°39' 14.27"
NW COR. SEC. 15, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.28"	W 103°40' 15.74"

FLOW LINE RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S65°31'55"E 1363.10' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°04'36"E 292.62'; THENCE S89°56'09"W 1049.58'; THENCE S89°56'09"W 599.95'; THENCE S00°13'39"E 30.03' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S24°40'05"W 978.36' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 2.717 ACRES MORE OR LESS.

FLOW LINE LATERAL "A" RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S12°34'36"E 879.47' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°18'12"E 30.09' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 11, WHICH BEARS S12°10'24"E 908.90' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.041 ACRES MORE OR LESS.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR
11–13–17

FILE: 62376-B2

Sheet 2 of 2

NOTES:

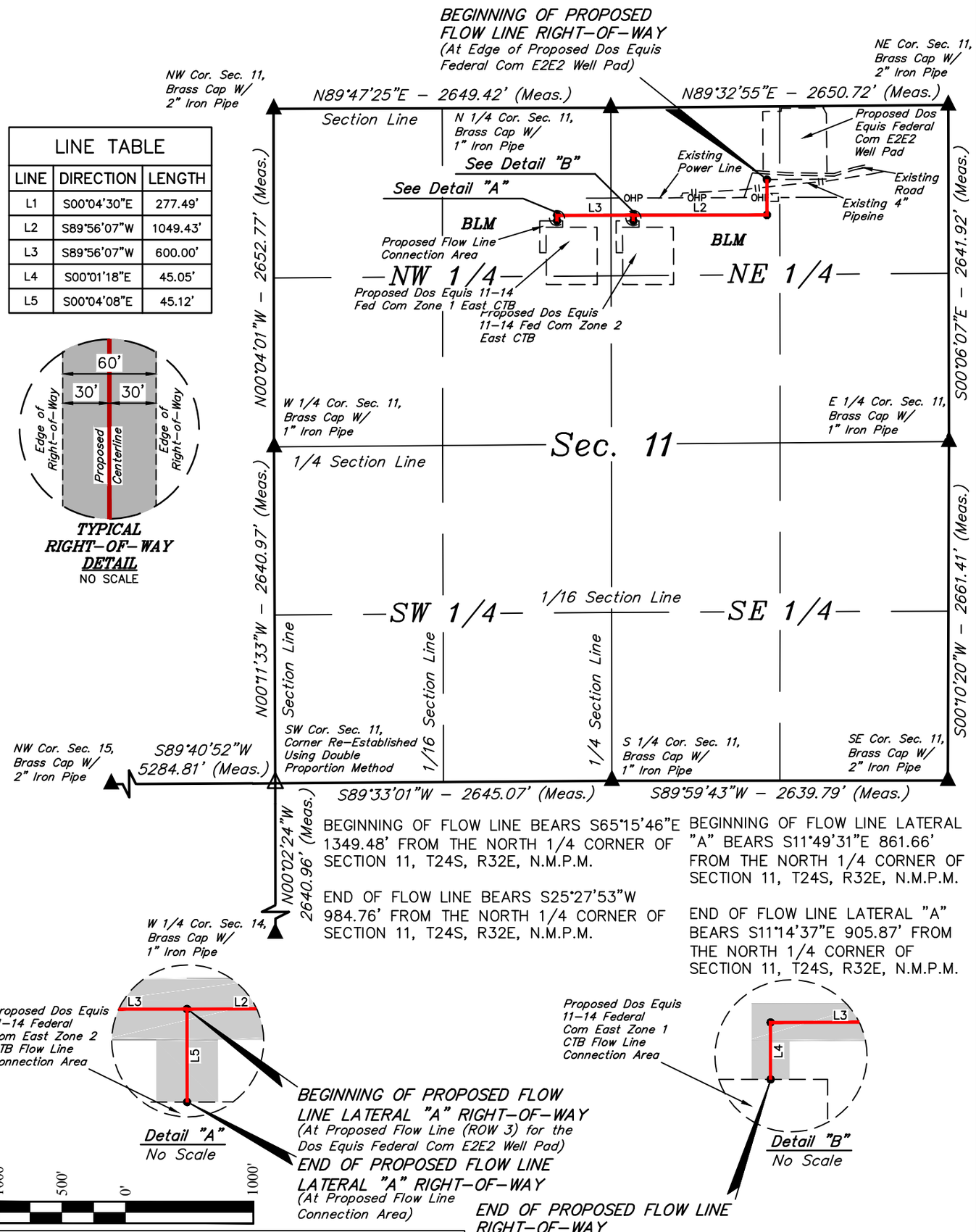
CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 2)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	N/A
FLOW LINE R-O-W			EXHIBIT M

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°04'30"E	277.49'
L2	S89°56'07"W	1049.43'
L3	S89°56'07"W	600.00'
L4	S00°01'18"E	45.05'
L5	S00°04'08"E	45.12'

ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	1502.29	91.05	2.069
SEC. 11 (NW 1/4)	BLM	469.67	28.46	0.647
TOTAL		1971.96	119.51	2.716

ACREAGE / LENGTH TABLE-LATERAL "A"

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	45.12	2.73	0.062

△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)
▲ = SECTION CORNERS LOCATED.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 11-13-17

FILE: 62376-C2

Sheet 1 of 2

NOTES:
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

UINTAH ENGINEERING & LAND SURVEYING

N

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 3)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	1" = 1000'
FLOW LINE R-O-W			EXHIBIT M

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 3)			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'16.26"	W 103°38'29.14"
1	2+77.49	N 32°14'13.52"	W 103°38'29.14"
2	13+26.92	N 32°14'13.53"	W 103°38'41.36"
3	19+26.92	N 32°14'13.53"	W 103°38'48.34"
END	19+71.97	N 32°14'13.09"	W 103°38'48.34"

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 3) LATERAL "A"			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'13.53"	W 103°38'41.36"
END	0+45.12	N 32°14'13.08"	W 103°38'41.36"

DOS EQUIS 11-14 FEDERAL COM E2E2			
SECTION CORNER	DESCRIPTION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'21.84"	W 103°39'14.23"
N 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°14'21.88"	W 103°38'43.39"
NE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'22.02"	W 103°38'12.54"
E 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.88"	W 103°38'12.55"
SE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.55"	W 103°38'12.72"
S 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'29.61"	W 103°38'43.44"
SW COR. SEC. 11, T24S, R32E	CORNER RE-ESTABLISHED	N 32°13'29.46"	W 103°39'14.23"
W 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.59"	W 103°39'14.26"
W 1/4 COR. SEC. 14, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'03.33"	W 103°39' 14.27"
NW COR. SEC. 15, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.28"	W 103°40' 15.74"

FLOW LINE RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S65°15'46"E 1349.48' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°04'30"E 277.49'; THENCE S89°56'07"W 1049.43'; THENCE S89°56'07"W 600.00'; THENCE S00°01'18"E 45.05' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S25°27'53"W 984.76' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 2.716 ACRES MORE OR LESS.

FLOW LINE LATERAL "A" RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S11°49'31"E 861.66' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°04'08"E 45.12' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 11, WHICH BEARS S11°14'37"E 905.87' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.062 ACRES MORE OR LESS.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR
Rand Buchanan
11–13–17

FILE: 62376-C2

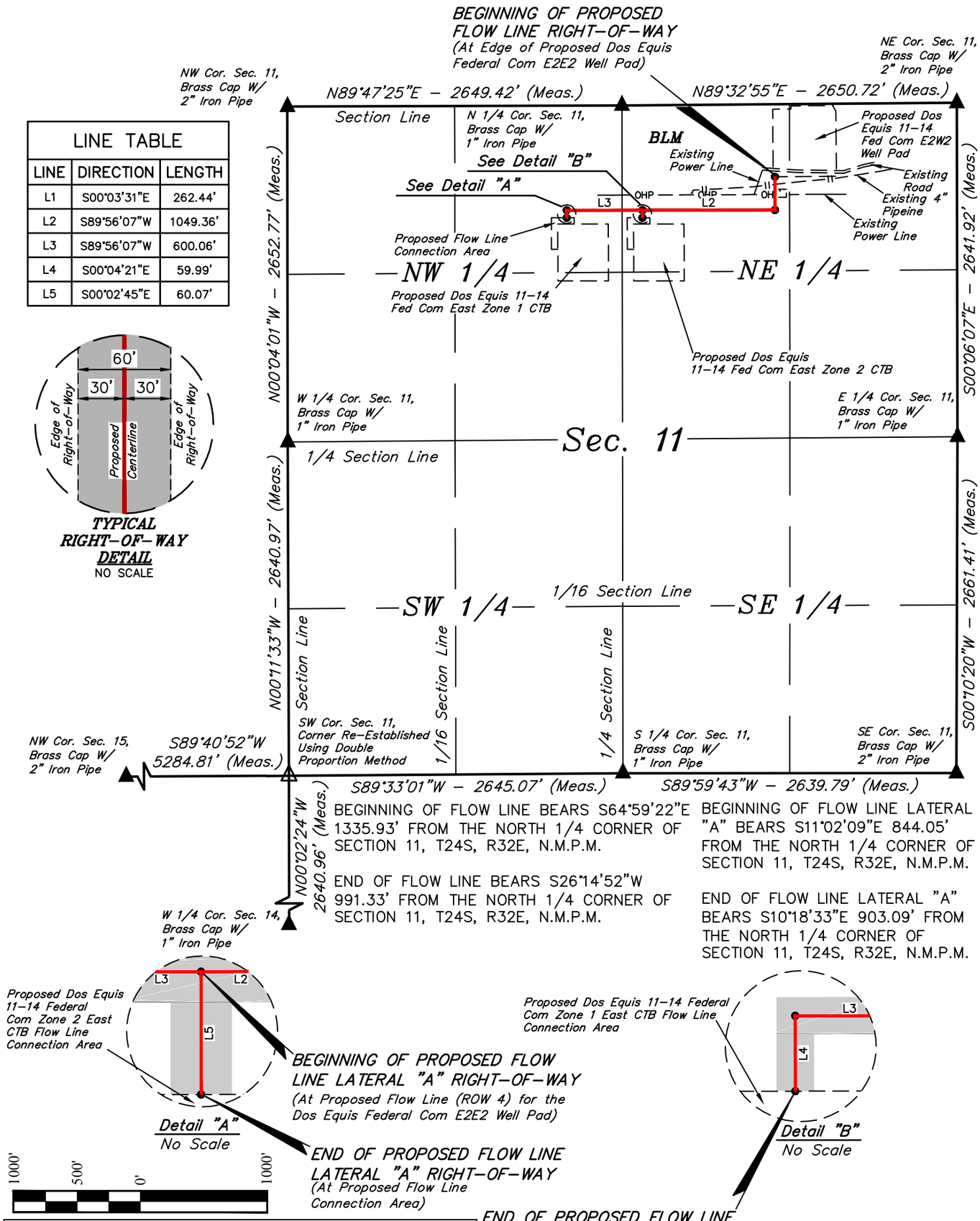
NOTES:

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 3)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	N/A
FLOW LINE R-O-W			EXHIBIT M

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°03'31"E	262.44'
L2	S89°56'07"W	1049.36'
L3	S89°56'07"W	600.06'
L4	S00°04'21"E	59.99'
L5	S00°02'45"E	60.07'

ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	1472.18	89.22	2.028
SEC. 11 (NW 1/4)	BLM	499.67	30.28	0.688
TOTAL		1971.85	119.51	2.716

ACREAGE / LENGTH TABLE-LATERAL "A"

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	60.07	3.64	0.083

△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)
▲ = SECTION CORNERS LOCATED.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 11-13-17

FILE: 62376-D1

Sheet 1 of 2

NOTES:
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 4)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	1" = 1000'
FLOW LINE R-O-W			EXHIBIT M

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 4)			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'16.26"	W 103°38'29.31"
1	2+62.44	N 32°14'13.66"	W 103°38'29.32"
2	13+11.80	N 32°14'13.68"	W 103°38'41.53"
3	19+11.86	N 32°14'13.68"	W 103°38'48.52"
END	19+71.85	N 32°14'13.09"	W 103°38'48.52"

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 4) LATERAL "A"			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'13.68"	W 103°38'41.53"
END	0+60.07	N 32°14'13.08"	W 103°38'41.53"

DOS EQUIS 11-14 FEDERAL COM E2E2			
SECTION CORNER	DESCRIPTION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'21.84"	W 103°39'14.23"
N 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°14'21.88"	W 103°38'43.39"
NE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'22.02"	W 103°38'12.54"
E 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.88"	W 103°38'12.55"
SE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.55"	W 103°38'12.72"
S 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'29.61"	W 103°38'43.44"
SW COR. SEC. 11, T24S, R32E	CORNER RE-ESTABLISHED	N 32°13'29.46"	W 103°39'14.23"
W 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.59"	W 103°39'14.26"
W 1/4 COR. SEC. 14, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'03.33"	W 103°39' 14.27"
NW COR. SEC. 15, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.28"	W 103°40' 15.74"

FLOW LINE RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S64°59'22"E 1335.93' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°03'31"E 262.44'; THENCE S89°56'07"W 1049.36'; THENCE S89°56'07"W 600.06'; THENCE S00°04'21"E 59.99'; THENCE S00°02'45"E 60.07' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S26°14'52"W 991.33' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 2.716 ACRES MORE OR LESS.

FLOW LINE LATERAL "A" RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S11°02'09"E 844.05' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°02'45"E 60.07" TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 11, WHICH BEARS S10°18'33"E 903.09' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.083 ACRES MORE OR LESS.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR
Rand Buchler
11–13–17

FILE: 62376-D2

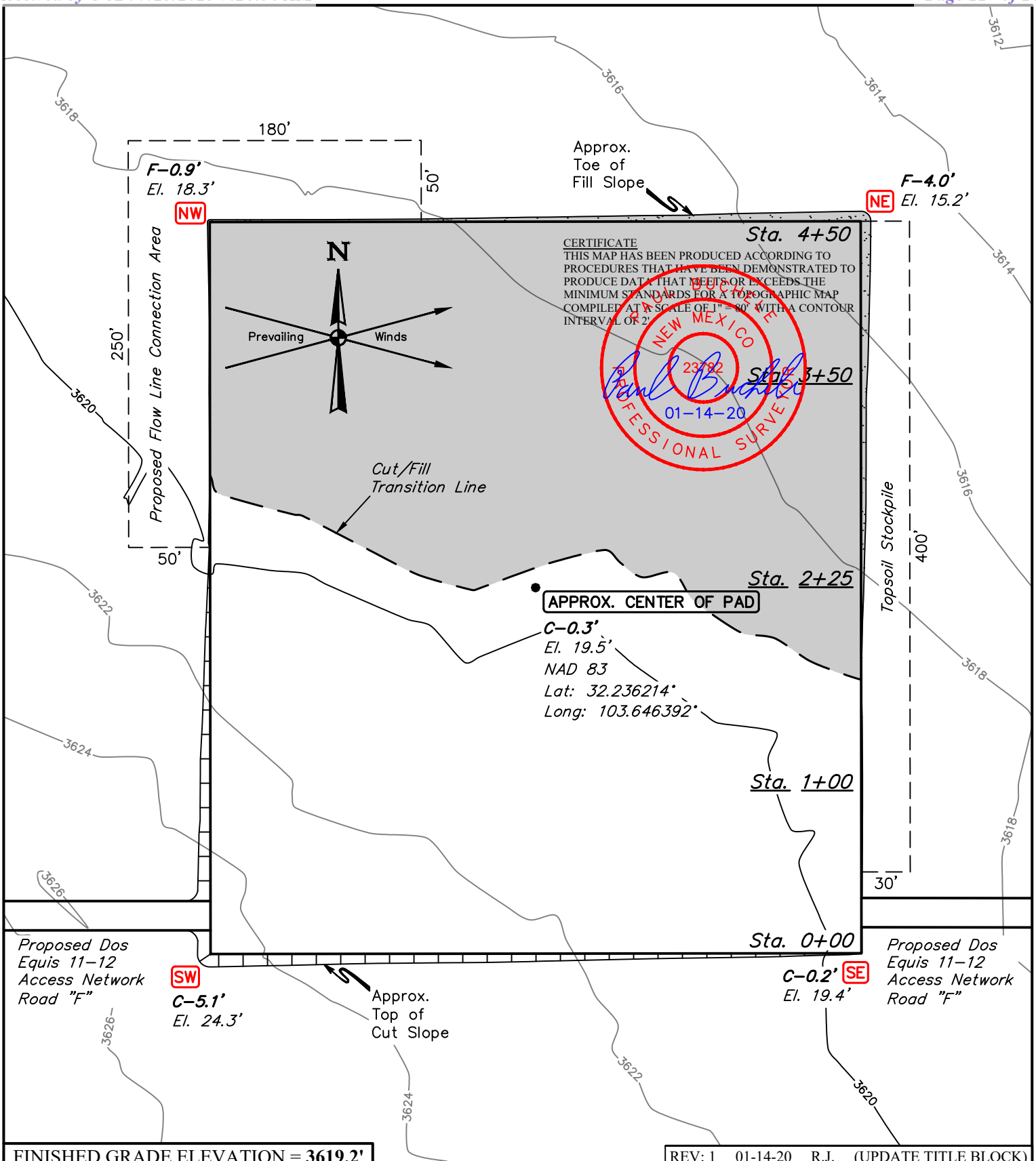
NOTES:

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 4)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	N/A
FLOW LINE R-O-W			EXHIBIT M



FINISHED GRADE ELEVATION = **3619.2'**

REV: 1 01-14-20 R.J. (UPDATE TITLE BLOCK)

NOTES:

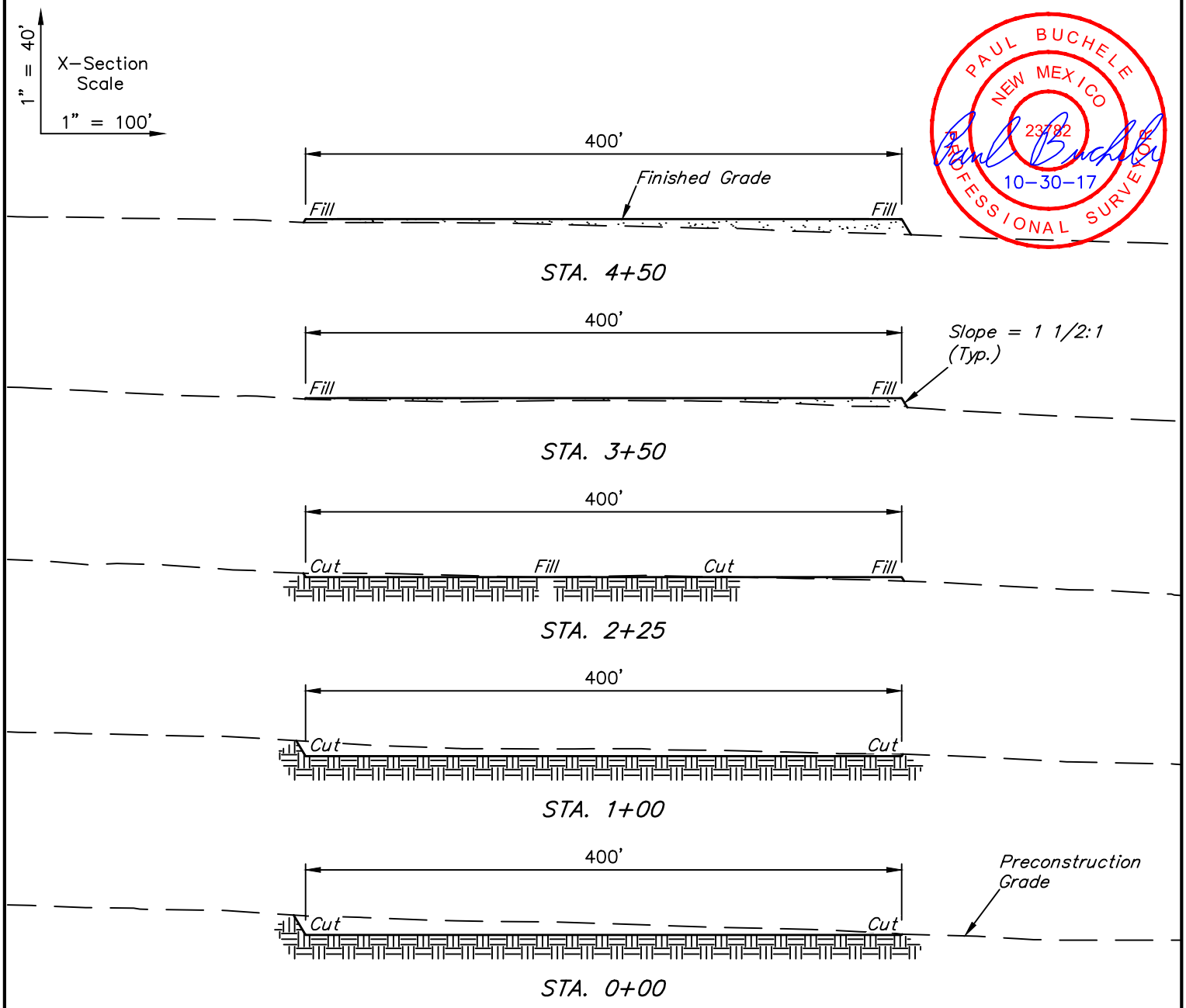
- Contours shown at 2' intervals.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)
- Topsoil Stockpile to be seeded in place prior to reclamation.

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM EAST ZONE 1 CTB
1163' FNL 2340' FWL (APPROX. CENTER OF PAD)
E 1/2 NW 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	J.V., R.D.	09-22-17	SCALE
DRAWN BY	S.F.	10-27-17	1" = 80'
LOCATION LAYOUT			EXHIBIT F

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 10-30-17

APPROXIMATE EARTHWORK QUANTITIES	
(4") TOPSOIL STRIPPING	2,290 Cu. Yds.
REMAINING LOCATION	4,730 Cu. Yds.
TOTAL CUT	**7,020 Cu. Yds.**
FILL	**4,730 Cu. Yds.**
EXCESS MATERIAL	2,290 Cu. Yds.
TOPSOIL	2,290 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	**0 Cu. Yds.**

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	**ACRES**
WELL SITE DISTURBANCE	NA	±4.510
FLOW LINE CONNECTION AREA DISTURBANCE	NA	±0.436
TOTAL SURFACE USE AREA		**±4.946**

NOTES:

- Fill quantity includes 5% for compaction.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)

CIMAREX ENERGY CO.

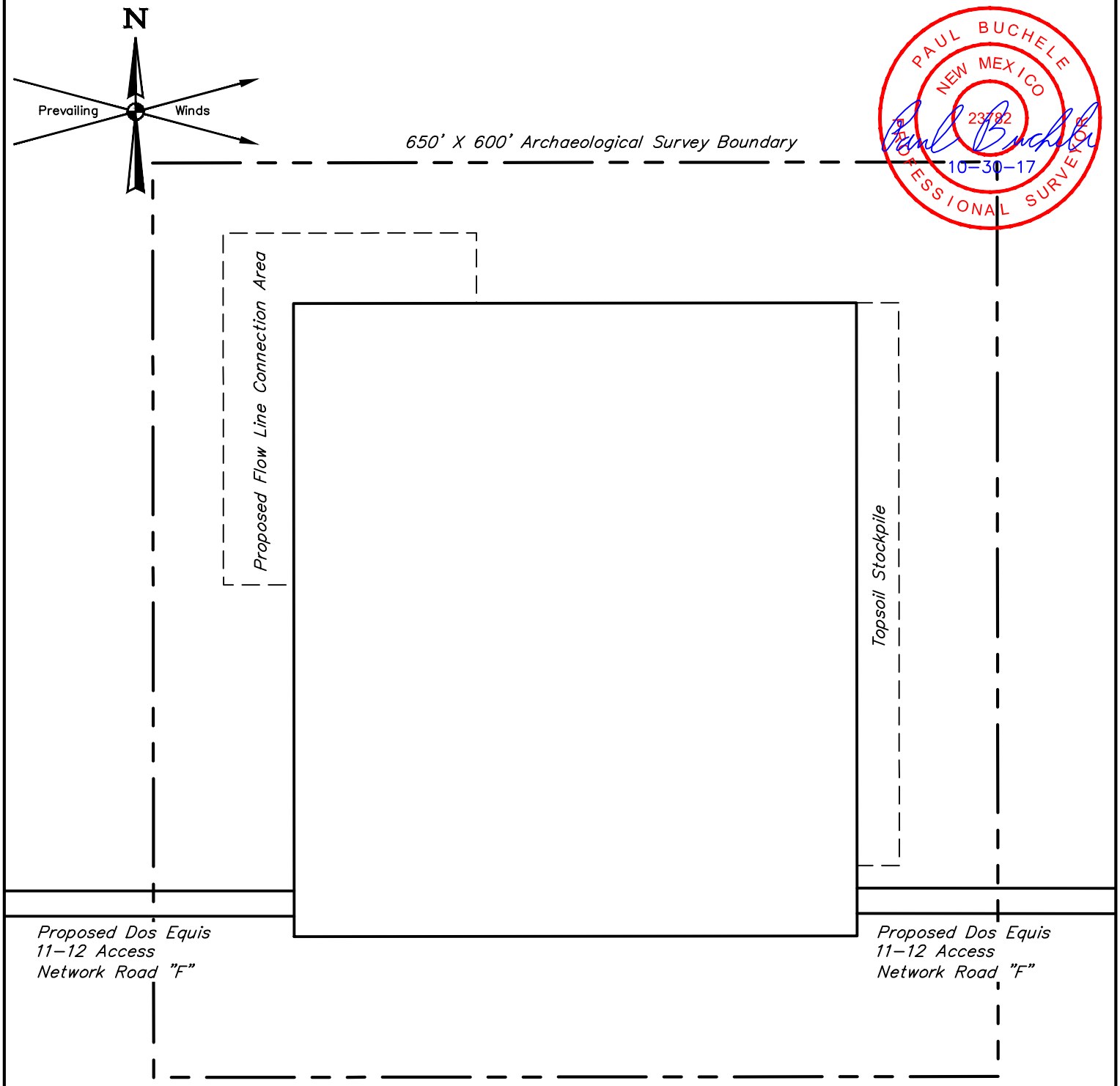
DOS EQUIS 11-14 FEDERAL COM EAST ZONE 1 CTB
E 1/2 NW 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	J.V., R.D.	09-22-17	SCALE
DRAWN BY	S.F.	10-27-17	AS SHOWN

TYPICAL CROSS SECTIONS **EXHIBIT F**



NOTES:

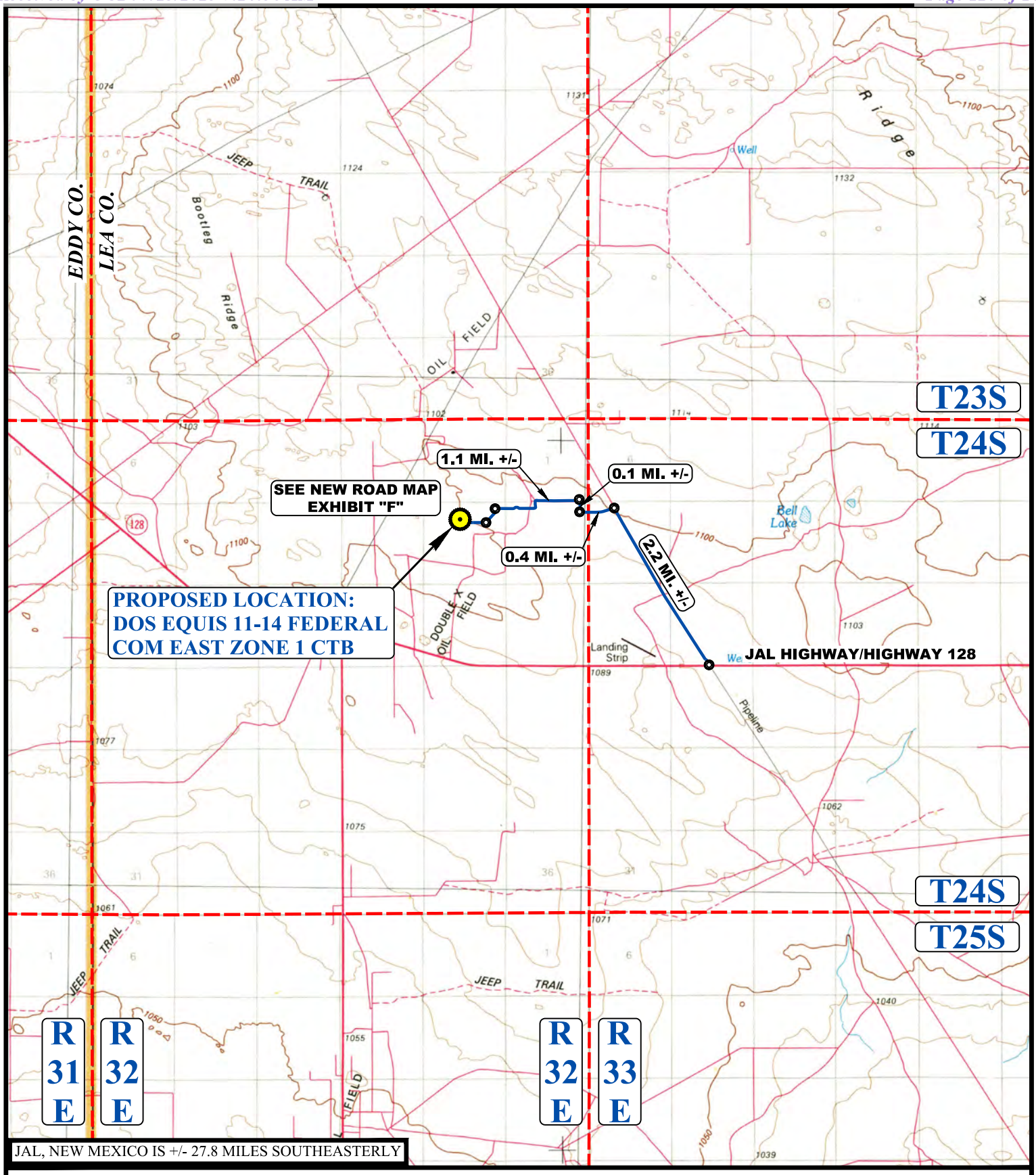
CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM EAST ZONE 1 CTB
E 1/2 NW 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	J.V., R.D.	09-22-17	SCALE
DRAWN BY	S.F.	10-27-17	1" = 100'
ARCHAEOLOGICAL SURVEY BOUNDARY			EXHIBIT F

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



JAL, NEW MEXICO IS +/- 27.8 MILES SOUTHEASTERLY

LEGEND:

⊙ **PROPOSED LOCATION**

N

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM EAST ZONE 1 CTB
E 1/2 NW 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	J.V., R.D.	09-22-17	SCALE
DRAWN BY	J.A.	10-29-17	1 : 100,000
PUBLIC ACCESS ROAD MAP			EXHIBIT F

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

BEGINNING AT THE INTERSECTION OF JAL HIGHWAY/ HIGHWAY 128 AND AN EXISTING ROAD TO THE NORTHWEST (LOCATED AT NAD 83 LATITUDE N32.2103° AND LONGITUDE W103.5947°), PROCEED IN A NORTHWESTERLY, DIRECTION APPROXIMATELY 2.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN WESTERLY, THEN SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND THE DOS EQUIS 11-12 PROPOSED ACCESS NETWORK "F" ROAD TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 1,439' TO THE PROPOSED LOCATION.

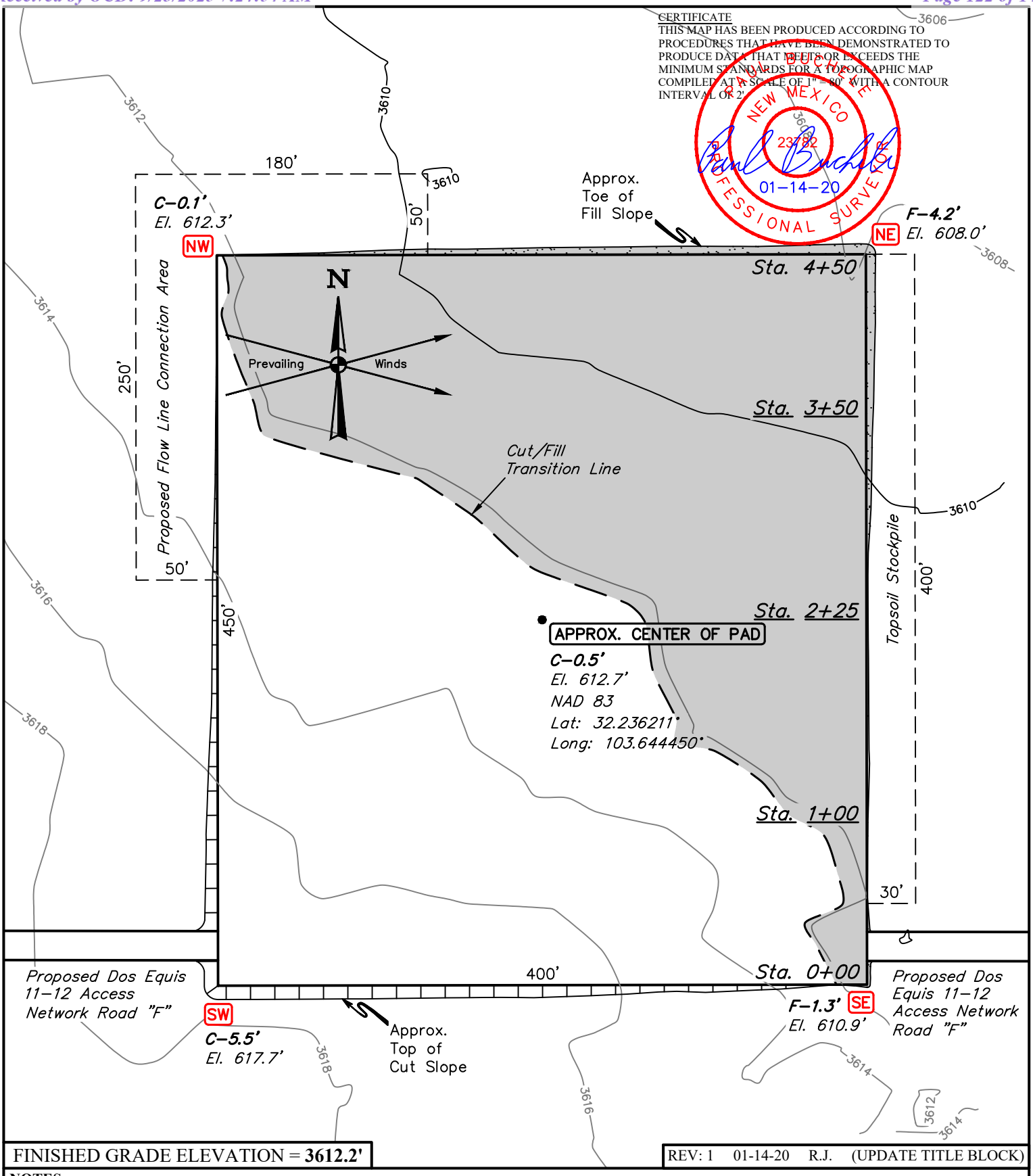
TOTAL DISTANCE FROM THE INTERSECTION OF JAL HIGHWAY/HIGHWAY 128 AND AN EXISTING ROAD TO THE NORTHWEST (LOCATED AT NAD 83 LATITUDE N32.2103° AND LONGITUDE W103.5947°), TO THE PROPOSED LOCATION IS APPROXIMATELY 4.3 MILES.

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM EAST ZONE 1 CTB
E 1/2 NW 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	J.V., R.D.	09-22-17	
DRAWN BY	J.A.	10-29-17	
ROAD DESCRIPTION			**EXHIBIT F**



FINISHED GRADE ELEVATION = **3612.2'**

REV: 1 01-14-20 R.J. (UPDATE TITLE BLOCK)

NOTES:

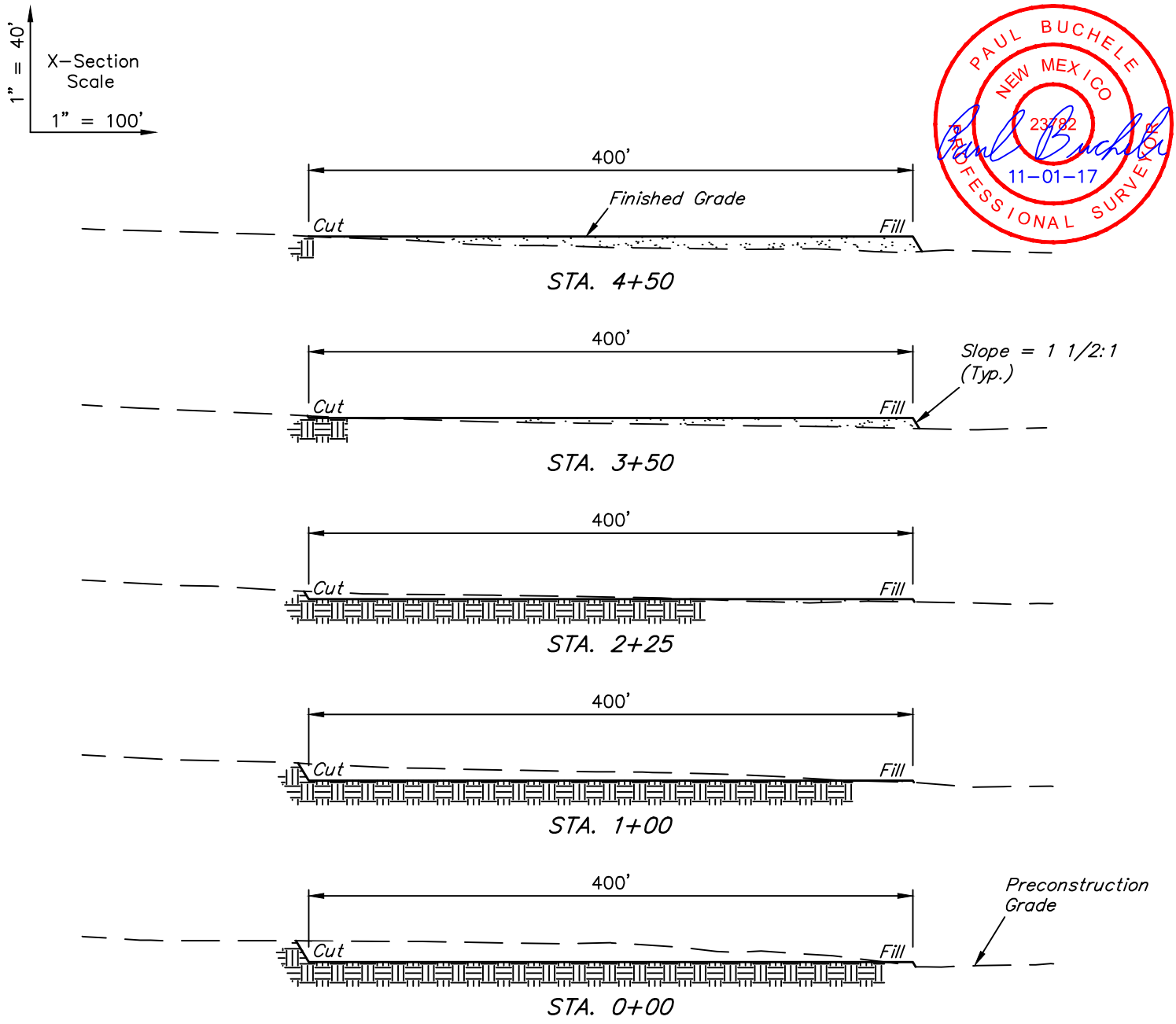
- Contours shown at 2' intervals.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)
- Topsoil Stockpile to be seeded in place prior to reclamation.

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM EAST ZONE 2 CTB
1166' FNL 2361' FEL (APPROX. CENTER OF PAD)
W 1/2 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	J.V., R.D.	09-22-17	SCALE
DRAWN BY	S.F.	10-27-17	1" = 80'
LOCATION LAYOUT			EXHIBIT F

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 11-01-17

APPROXIMATE EARTHWORK QUANTITIES	
(4") TOPSOIL STRIPPING	2,310 Cu. Yds.
REMAINING LOCATION	6,240 Cu. Yds.
TOTAL CUT	**8,550 Cu. Yds.**
FILL	**6,240 Cu. Yds.**
EXCESS MATERIAL	2,310 Cu. Yds.
TOPSOIL	2,310 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	**0 Cu. Yds.**

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	**ACRES**
WELL SITE DISTURBANCE	NA	±4.539
FLOW LINE CONNECTION AREA DISTURBANCE	NA	±0.436
TOTAL SURFACE USE AREA		**±4.975**

NOTES:

- Fill quantity includes 5% for compaction.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)

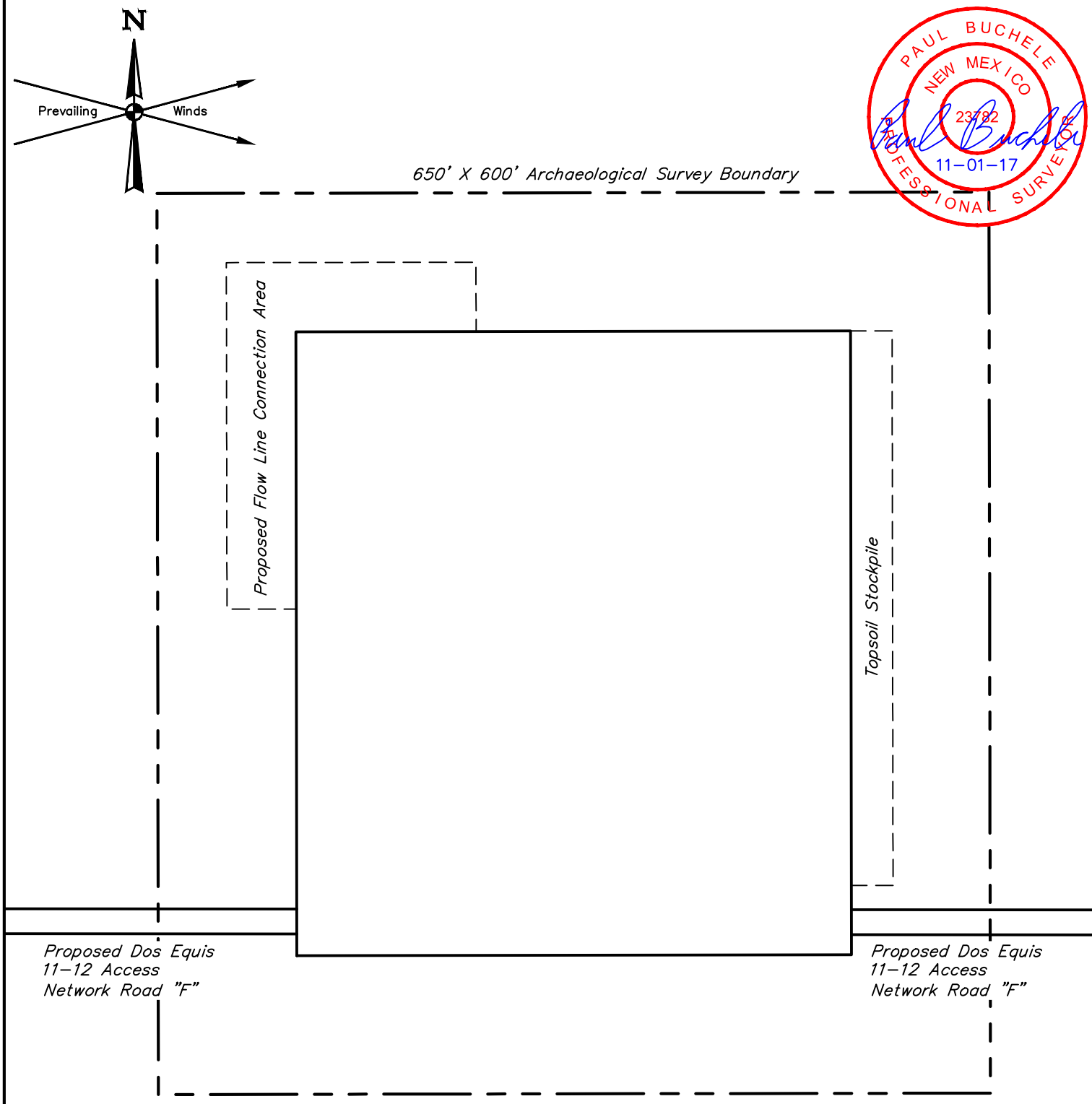
CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM EAST ZONE 2 CTB
W 1/2 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	J.V., R.D.	09-22-17	SCALE
DRAWN BY	S.F.	10-27-17	AS SHOWN
TYPICAL CROSS SECTIONS			**EXHIBIT F**



PAUL BUCHELE
NEW MEXICO
23782
11-01-17
PROFESSIONAL SURVEYOR

NOTES:

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM EAST ZONE 2 CTB
W 1/2 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	J.V., R.D.	09-22-17	SCALE
DRAWN BY	S.F.	10-27-17	1" = 100'
ARCHAEOLOGICAL SURVEY BOUNDARY			EXHIBIT F

BEGINNING AT THE INTERSECTION OF JAL HIGHWAY/ HIGHWAY 128 AND AN EXISTING ROAD TO THE NORTHWEST (LOCATED AT NAD 83 LATITUDE N32.2103° AND LONGITUDE W103.5947°), PROCEED IN A NORTHWESTERLY, DIRECTION APPROXIMATELY 2.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN WESTERLY, THEN SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND THE DOS EQUIS 11-12 PROPOSED ACCESS NETWORK "F" ROAD TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 839' TO THE PROPOSED LOCATION.

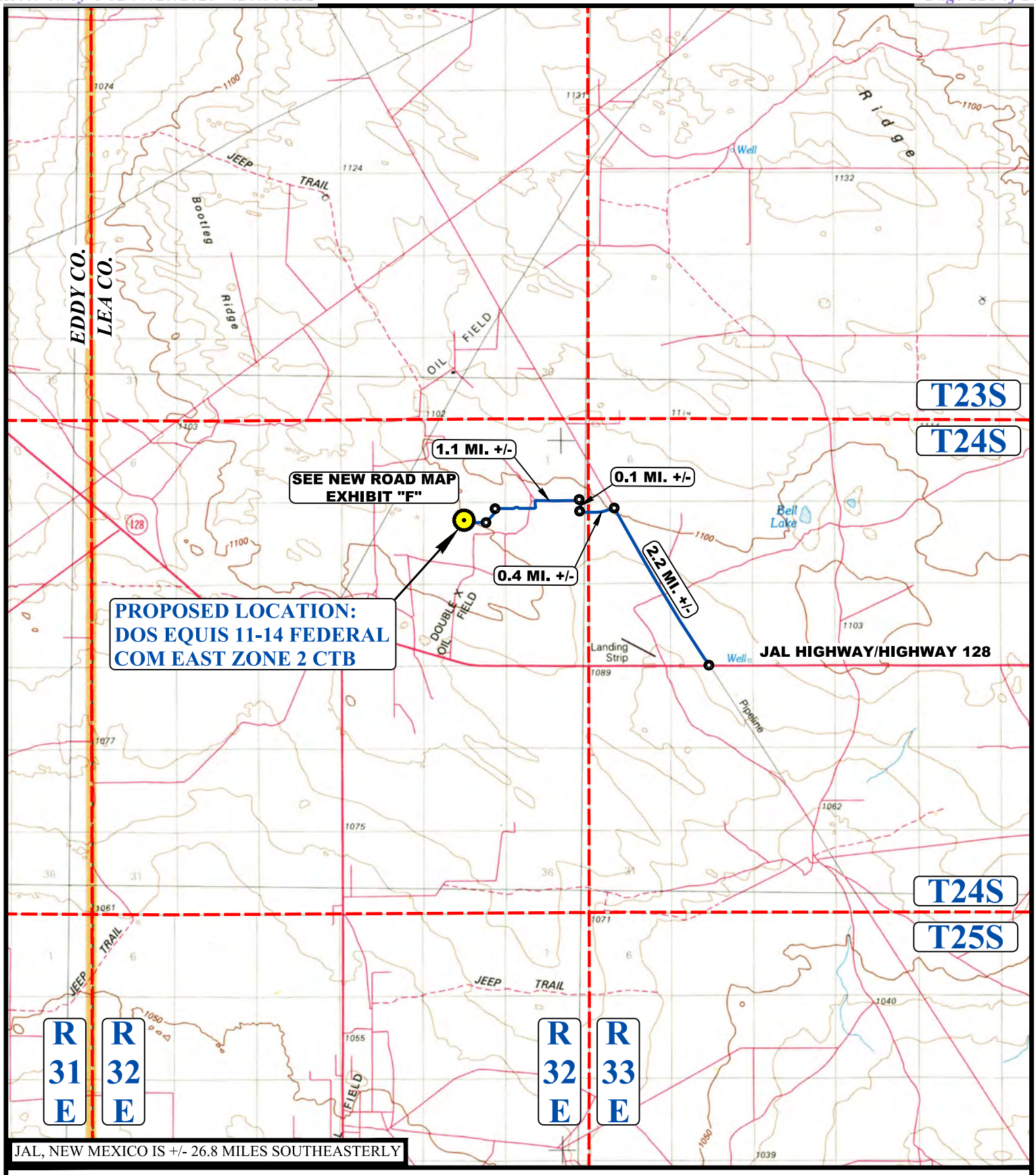
TOTAL DISTANCE FROM THE INTERSECTION OF JAL HIGHWAY/HIGHWAY 128 AND AN EXISTING ROAD TO THE NORTHWEST (LOCATED AT NAD 83 LATITUDE N32.2103° AND LONGITUDE W103.5947°), TO THE PROPOSED LOCATION IS APPROXIMATELY 4.2 MILES.

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM EAST ZONE 2 CTB
W 1/2 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	R.D., J.R.	09-22-17	
DRAWN BY	J.A.	10-29-17	
ROAD DESCRIPTION			**EXHIBIT F**



JAL, NEW MEXICO IS +/- 26.8 MILES SOUTHEASTERLY

LEGEND:

PROPOSED LOCATION

N

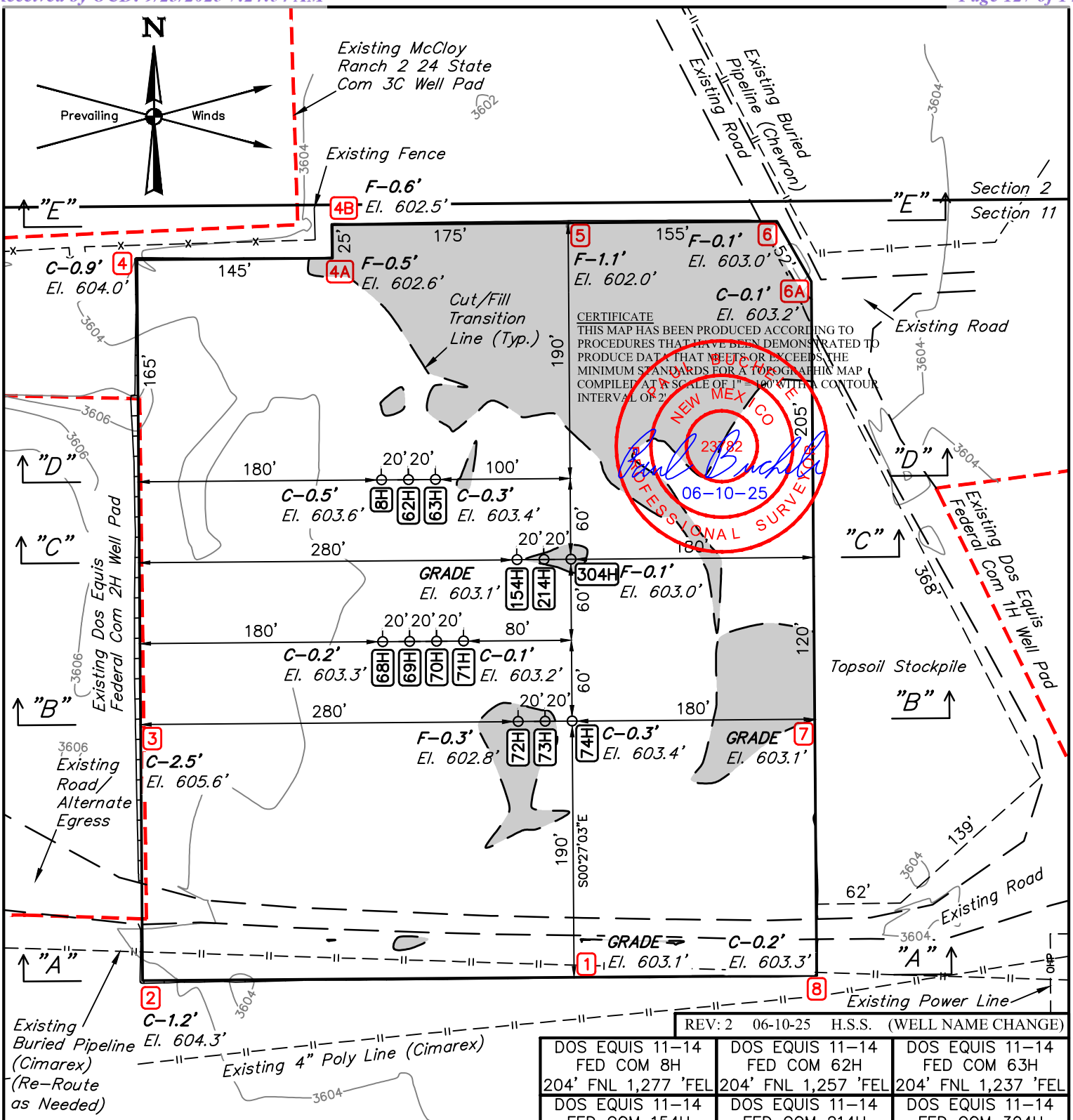
CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM EAST ZONE 2 CTB
W 1/2 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	R.D., J.R.	09-22-17	SCALE
DRAWN BY	J.A.	10-29-17	1 : 100,000
PUBLIC ACCESS ROAD MAP			EXHIBIT F

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

UINTAH ENGINEERING & LAND SURVEYING



REV: 2 06-10-25 H.S.S. (WELL NAME CHANGE)

DOS EQUIS 11-14 FED COM 8H 204' FNL 1,277 'FEL	DOS EQUIS 11-14 FED COM 62H 204' FNL 1,257 'FEL	DOS EQUIS 11-14 FED COM 63H 204' FNL 1,237 'FEL
DOS EQUIS 11-14 FED COM 154H 264' FNL 1,177 'FEL	DOS EQUIS 11-14 FED COM 214H 264' FNL 1,157 'FEL	DOS EQUIS 11-14 FED COM 304H 264' FNL 1,137 'FEL

Note: Earthwork calculations require a fill @ some location stakes for balance. All fill is to be compacted to a minimum of 95% of the maximum dry density obtained by AASHTO method t-99.

FINISHED GRADE ELEVATION = **3603.1'**

NOTES:

- Contours shown at 2' intervals.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Re-route existing utilities as needed.

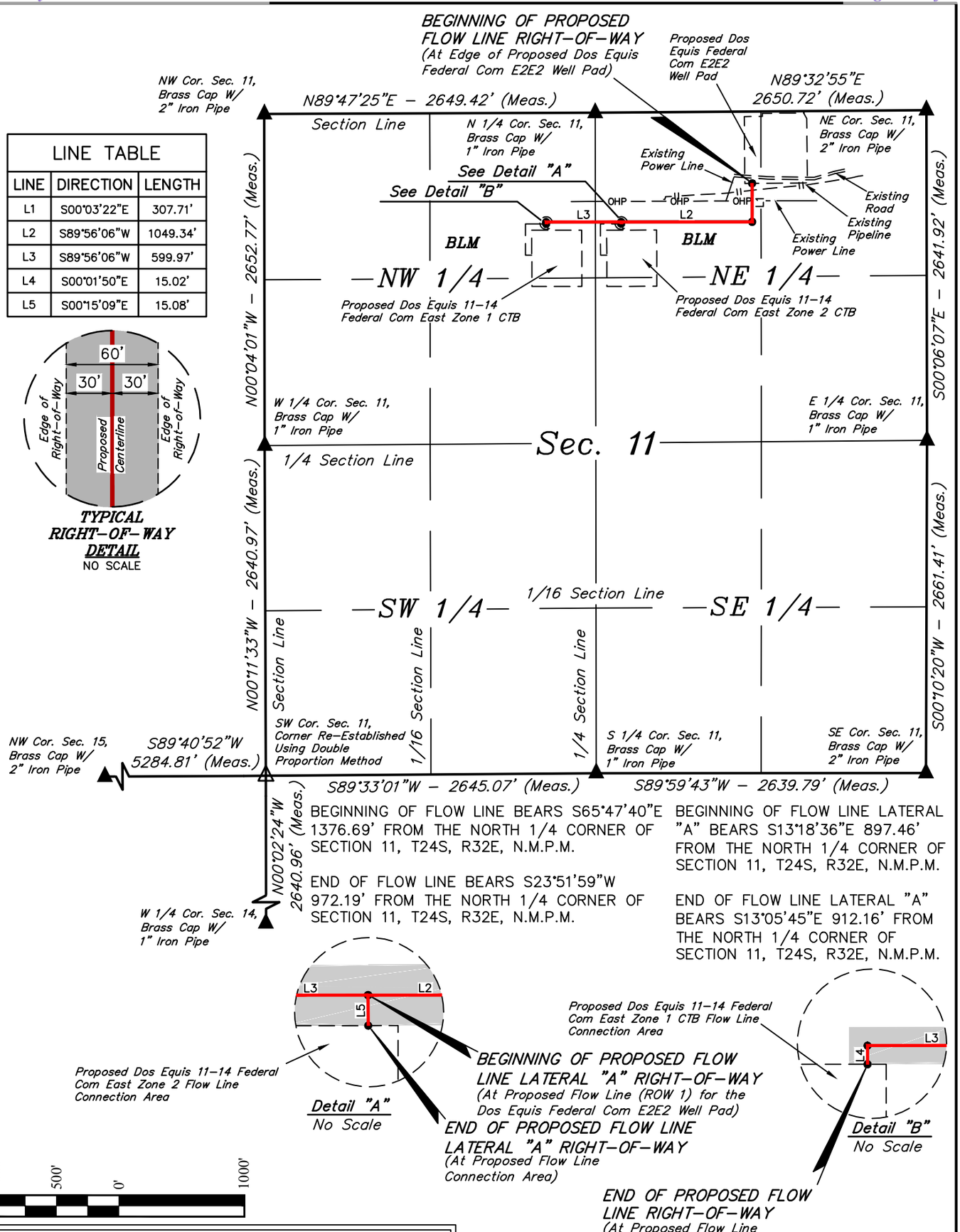
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

UINTAH ENGINEERING & LAND SURVEYING

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	S.F.	11-08-17	1" = 100'
LOCATION LAYOUT			EXHIBIT J



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°03'22"E	307.71'
L2	S89°56'06"W	1049.34'
L3	S89°56'06"W	599.97'
L4	S00°01'50"E	15.02'
L5	S00°15'09"E	15.08'

ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	1562.42	94.69	2.152
SEC. 11 (NW 1/4)	BLM	409.63	24.83	0.564
TOTAL		1972.05	119.52	2.716

ACREAGE / LENGTH TABLE-LATERAL "A"

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	15.08	0.91	0.021

△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

▲ = SECTION CORNERS LOCATED.

CERTIFICATE

THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 11-13-17

FILE: 62376-A1

Sheet 1 of 2

NOTES:

- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

N

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 1)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	1" = 1000'
FLOW LINE R-O-W			EXHIBIT M

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 1)			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'16.26"	W 103°38'28.79"
1	3+07.71	N 32°14'13.22"	W 103°38'28.79"
2	13+57.05	N 32°14'13.23"	W 103°38'41.01"
3	19+57.03	N 32°14'13.24"	W 103°38'47.99"
END	19+72.05	N 32°14'13.09"	W 103°38'47.99"

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 1) LATERAL "A"			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'13.23"	W 103°38'41.01"
END	0+15.08	N 32°14'13.08"	W 103°38'41.01"

DOS EQUIS 11-14 FEDERAL COM E2E2			
SECTION CORNER	DESCRIPTION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'21.84"	W 103°39'14.23"
N 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°14'21.88"	W 103°38'43.39"
NE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'22.02"	W 103°38'12.54"
E 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.88"	W 103°38'12.55"
SE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.55"	W 103°38'12.72"
S 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'29.61"	W 103°38'43.44"
SW COR. SEC. 11, T24S, R32E	CORNER RE-ESTABLISHED	N 32°13'29.46"	W 103°39'14.23"
W 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.59"	W 103°39'14.26"
W 1/4 COR. SEC. 14, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'03.33"	W 103°39' 14.27"
NW COR. SEC. 15, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.28"	W 103°40' 15.74"

FLOW LINE RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S65°47'40"E 1376.69' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°03'22"E 307.71'; THENCE S89°56'06"W 1049.34'; THENCE S89°56'06"W 599.97'; THENCE S00°01'50"E 15.02' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S23°51'59"W 972.19' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 2.716 ACRES MORE OR LESS.

FLOW LINE LATERAL "A" RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S13°18'36"E 897.46' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°15'09"E 15.08' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S13°05'45"E 912.16' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.021 ACRES MORE OR LESS.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR
11–13–17

FILE: 62376-A2

Sheet 2 of 2

NOTES:

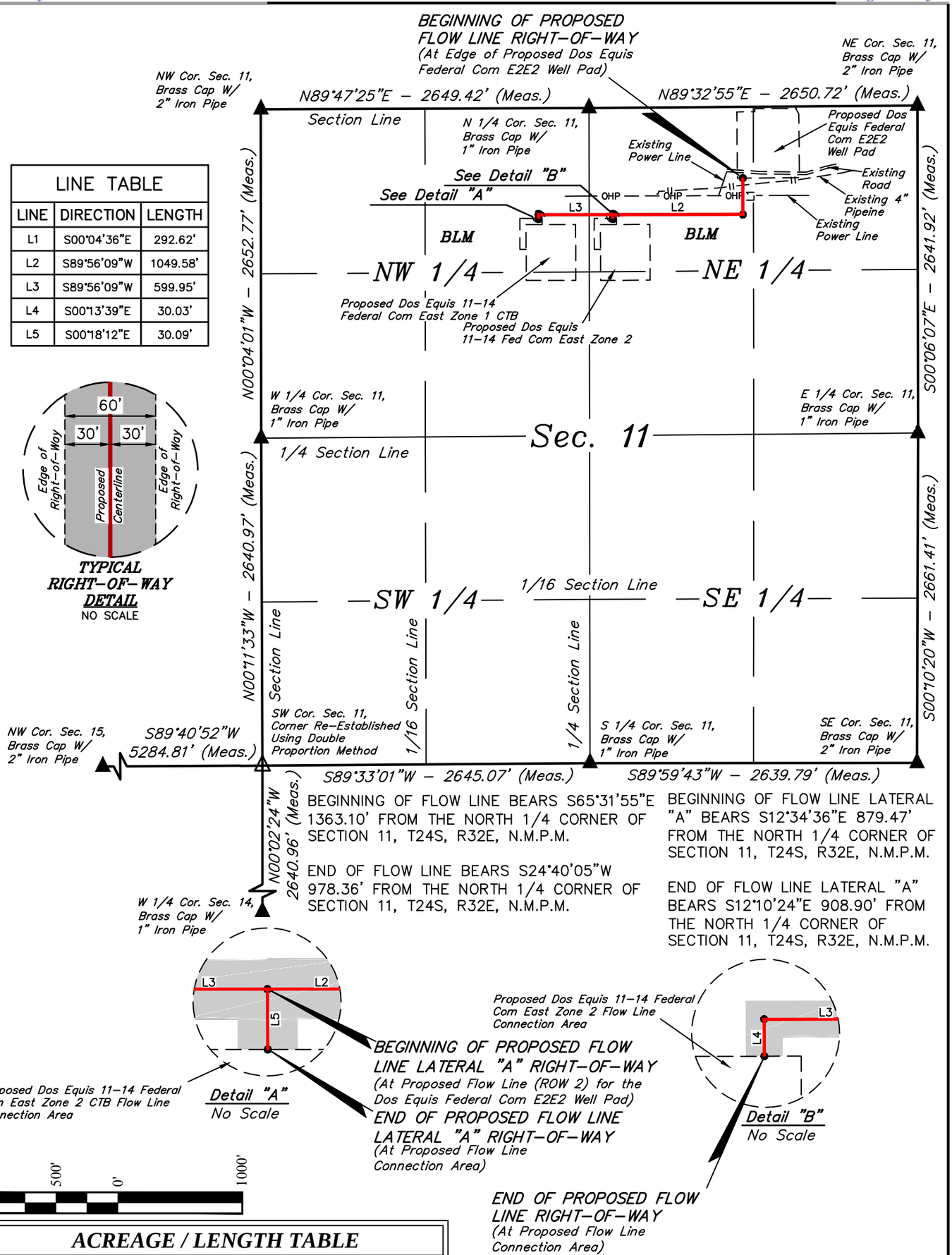
CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 1)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	N/A
FLOW LINE R-O-W			EXHIBIT M

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°04'36"E	292.62'
L2	S89°56'09"W	1049.58'
L3	S89°56'09"W	599.95'
L4	S00°13'39"E	30.03'
L5	S00°18'12"E	30.09'

ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	1532.47	92.88	2.111
SEC. 11 (NW 1/4)	BLM	439.71	26.65	0.606
TOTAL		1972.18	119.53	2.717

ACREAGE / LENGTH TABLE-LATERAL "A"

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	30.09	1.82	0.041

△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

▲ = SECTION CORNERS LOCATED.

CERTIFICATE

THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 11-13-17

FILE: 62376-B1

Sheet 1 of 2

NOTES:

- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

N

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 2)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	1" = 1000'
FLOW LINE R-O-W			EXHIBIT M

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 2)			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'16.26"	W 103°38'28.96"
1	2+92.62	N 32°14'13.37"	W 103°38'28.97"
2	13+42.20	N 32°14'13.38"	W 103°38'41.18"
3	19+42.14	N 32°14'13.39"	W 103°38'48.17"
END	19+72.18	N 32°14'13.09"	W 103°38'48.17"

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 2) LATERAL "A"			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'13.38"	W 103°38'41.18"
END	0+30.09	N 32°14'13.08"	W 103°38'41.18"

DOS EQUIS 11-14 FEDERAL COM E2E2			
SECTION CORNER	DESCRIPTION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'21.84"	W 103°39'14.23"
N 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°14'21.88"	W 103°38'43.39"
NE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'22.02"	W 103°38'12.54"
E 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.88"	W 103°38'12.55"
SE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.55"	W 103°38'12.72"
S 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'29.61"	W 103°38'43.44"
SW COR. SEC. 11, T24S, R32E	CORNER RE-ESTABLISHED	N 32°13'29.46"	W 103°39'14.23"
W 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.59"	W 103°39'14.26"
W 1/4 COR. SEC. 14, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'03.33"	W 103°39' 14.27"
NW COR. SEC. 15, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.28"	W 103°40' 15.74"

FLOW LINE RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S65°31'55"E 1363.10' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°04'36"E 292.62'; THENCE S89°56'09"W 1049.58'; THENCE S89°56'09"W 599.95'; THENCE S00°13'39"E 30.03' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S24°40'05"W 978.36' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 2.717 ACRES MORE OR LESS.

FLOW LINE LATERAL "A" RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S12°34'36"E 879.47' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°18'12"E 30.09' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 11, WHICH BEARS S12°10'24"E 908.90' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.041 ACRES MORE OR LESS.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR
11–13–17

FILE: 62376-B2

Sheet 2 of 2

NOTES:

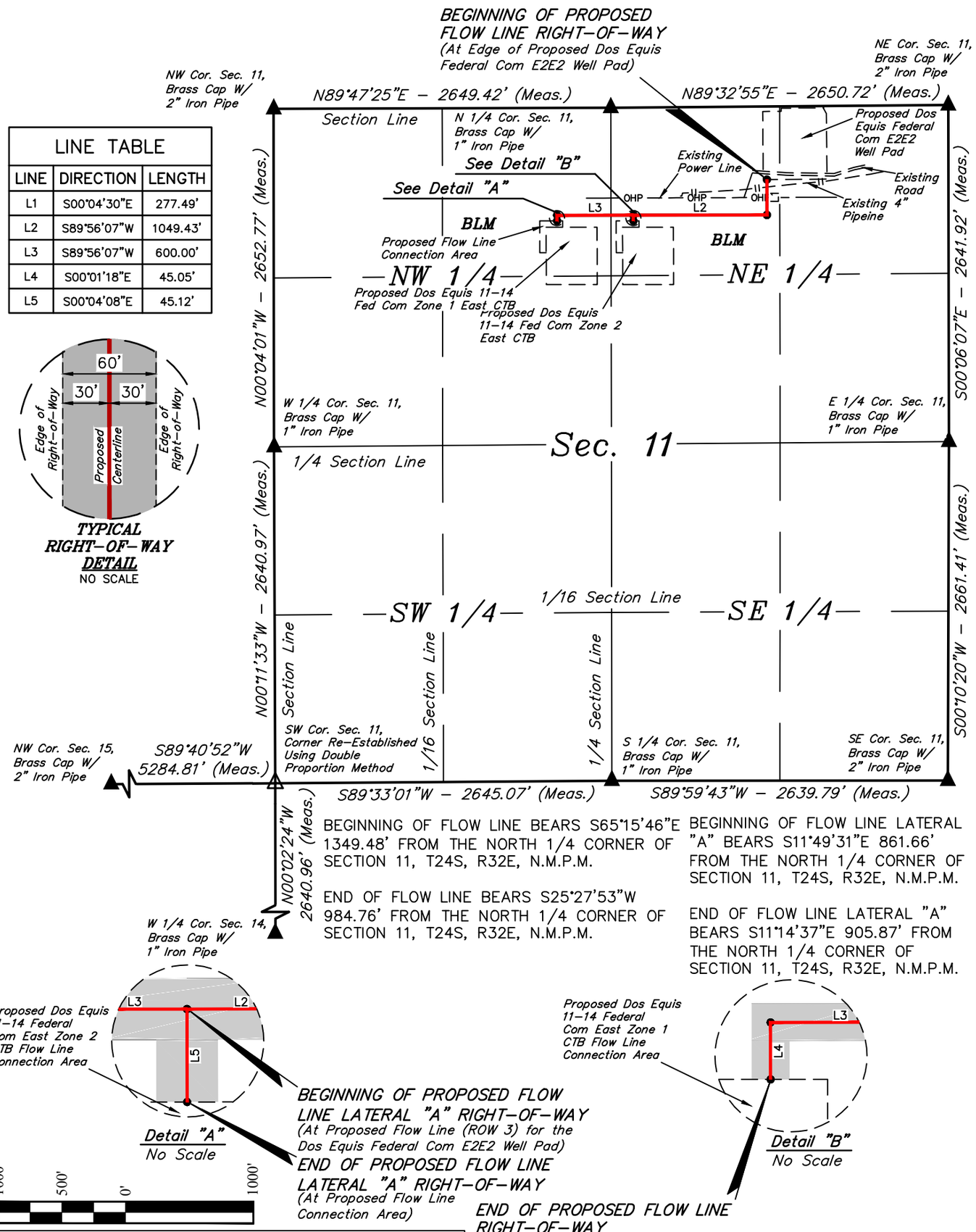
CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 2)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	N/A
FLOW LINE R-O-W			EXHIBIT M

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°04'30"E	277.49'
L2	S89°56'07"W	1049.43'
L3	S89°56'07"W	600.00'
L4	S00°01'18"E	45.05'
L5	S00°04'08"E	45.12'

TYPICAL RIGHT-OF-WAY DETAIL
NO SCALE

ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	1502.29	91.05	2.069
SEC. 11 (NW 1/4)	BLM	469.67	28.46	0.647
TOTAL		1971.96	119.51	2.716

ACREAGE / LENGTH TABLE-LATERAL "A"

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	45.12	2.73	0.062

△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)
▲ = SECTION CORNERS LOCATED.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 11-13-17

FILE: 62376-C2

Sheet 1 of 2

NOTES:
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 3)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	1" = 1000'
FLOW LINE R-O-W			EXHIBIT M

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 3)			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'16.26"	W 103°38'29.14"
1	2+77.49	N 32°14'13.52"	W 103°38'29.14"
2	13+26.92	N 32°14'13.53"	W 103°38'41.36"
3	19+26.92	N 32°14'13.53"	W 103°38'48.34"
END	19+71.97	N 32°14'13.09"	W 103°38'48.34"

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 3) LATERAL "A"			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'13.53"	W 103°38'41.36"
END	0+45.12	N 32°14'13.08"	W 103°38'41.36"

DOS EQUIS 11-14 FEDERAL COM E2E2			
SECTION CORNER	DESCRIPTION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'21.84"	W 103°39'14.23"
N 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°14'21.88"	W 103°38'43.39"
NE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'22.02"	W 103°38'12.54"
E 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.88"	W 103°38'12.55"
SE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.55"	W 103°38'12.72"
S 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'29.61"	W 103°38'43.44"
SW COR. SEC. 11, T24S, R32E	CORNER RE-ESTABLISHED	N 32°13'29.46"	W 103°39'14.23"
W 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.59"	W 103°39'14.26"
W 1/4 COR. SEC. 14, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'03.33"	W 103°39' 14.27"
NW COR. SEC. 15, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.28"	W 103°40' 15.74"

FLOW LINE RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S65°15'46"E 1349.48' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°04'30"E 277.49'; THENCE S89°56'07"W 1049.43'; THENCE S89°56'07"W 600.00'; THENCE S00°01'18"E 45.05' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S25°27'53"W 984.76' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 2.716 ACRES MORE OR LESS.

FLOW LINE LATERAL "A" RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S11°49'31"E 861.66' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°04'08"E 45.12' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 11, WHICH BEARS S11°14'37"E 905.87' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.062 ACRES MORE OR LESS.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR
11–13–17

FILE: 62376-C2

Sheet 2 of 2

NOTES:

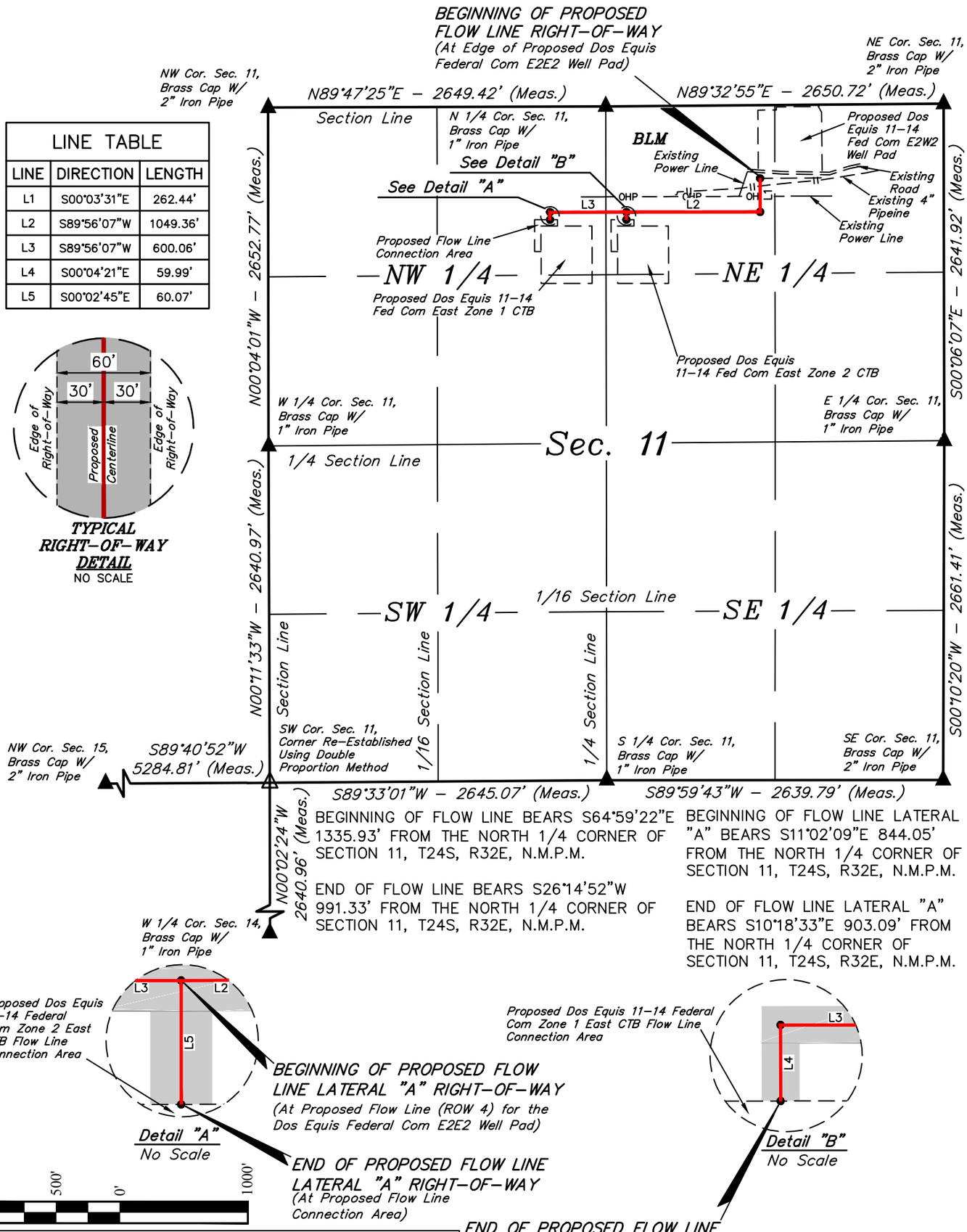
CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 3)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	N/A
FLOW LINE R-O-W			EXHIBIT M

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°03'31"E	262.44'
L2	S89°56'07"W	1049.36'
L3	S89°56'07"W	600.06'
L4	S00°04'21"E	59.99'
L5	S00°02'45"E	60.07'

TYPICAL RIGHT-OF-WAY DETAIL
NO SCALE

ACREAGE / LENGTH TABLE

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	1472.18	89.22	2.028
SEC. 11 (NW 1/4)	BLM	499.67	30.28	0.688
TOTAL		1971.85	119.51	2.716

ACREAGE / LENGTH TABLE-LATERAL "A"

	OWNERSHIP	FEET	RODS	ACRES
SEC. 11 (NE 1/4)	BLM	60.07	3.64	0.083

△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)
▲ = SECTION CORNERS LOCATED.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 11-13-17

FILE: 62376-D1

Sheet 1 of 2

NOTES:
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CIMAREX ENERGY CO.

DOS EQUIS FEDERAL COM E2E2 (ROW 4)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	1" = 1000'
FLOW LINE R-O-W			EXHIBIT M

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

UINTAH ENGINEERING & LAND SURVEYING

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 4)			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'16.26"	W 103°38'29.31"
1	2+62.44	N 32°14'13.66"	W 103°38'29.32"
2	13+11.80	N 32°14'13.68"	W 103°38'41.53"
3	19+11.86	N 32°14'13.68"	W 103°38'48.52"
END	19+71.85	N 32°14'13.09"	W 103°38'48.52"

DOS EQUIS 11-14 FEDERAL COM E2E2 (ROW 4) LATERAL "A"			
NUMBER	STATION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
BEGIN	0+00	N 32°14'13.68"	W 103°38'41.53"
END	0+60.07	N 32°14'13.08"	W 103°38'41.53"

DOS EQUIS 11-14 FEDERAL COM E2E2			
SECTION CORNER	DESCRIPTION	LATITUDE (NAD 83)	LONGITUDE (NAD 83)
NW COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'21.84"	W 103°39'14.23"
N 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°14'21.88"	W 103°38'43.39"
NE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°14'22.02"	W 103°38'12.54"
E 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.88"	W 103°38'12.55"
SE COR. SEC. 11, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.55"	W 103°38'12.72"
S 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'29.61"	W 103°38'43.44"
SW COR. SEC. 11, T24S, R32E	CORNER RE-ESTABLISHED	N 32°13'29.46"	W 103°39'14.23"
W 1/4 COR. SEC. 11, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'55.59"	W 103°39'14.26"
W 1/4 COR. SEC. 14, T24S, R32E	BRASS CAP W/1" IRON PIPE	N 32°13'03.33"	W 103°39' 14.27"
NW COR. SEC. 15, T24S, R32E	BRASS CAP W/2" IRON PIPE	N 32°13'29.28"	W 103°40' 15.74"

FLOW LINE RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S64°59'22"E 1335.93' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°03'31"E 262.44'; THENCE S89°56'07"W 1049.36'; THENCE S89°56'07"W 600.06'; THENCE S00°04'21"E 59.99'; THENCE S00°02'45"E 60.07' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 11, WHICH BEARS S26°14'52"W 991.33' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 2.716 ACRES MORE OR LESS.

FLOW LINE LATERAL "A" RIGHT–OF–WAY DESCRIPTION

A 60' WIDE RIGHT–OF–WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 11, T24S, R32E, N.M.P.M., WHICH BEARS S11°02'09"E 844.05' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11, THENCE S00°02'45"E 60.07" TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 11, WHICH BEARS S10°18'33"E 903.09' FROM THE NORTH 1/4 CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00". CONTAINS 0.083 ACRES MORE OR LESS.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR
Randall Buchanan
11–13–17

FILE: 62376-D2

Sheet 2 of 2

NOTES:

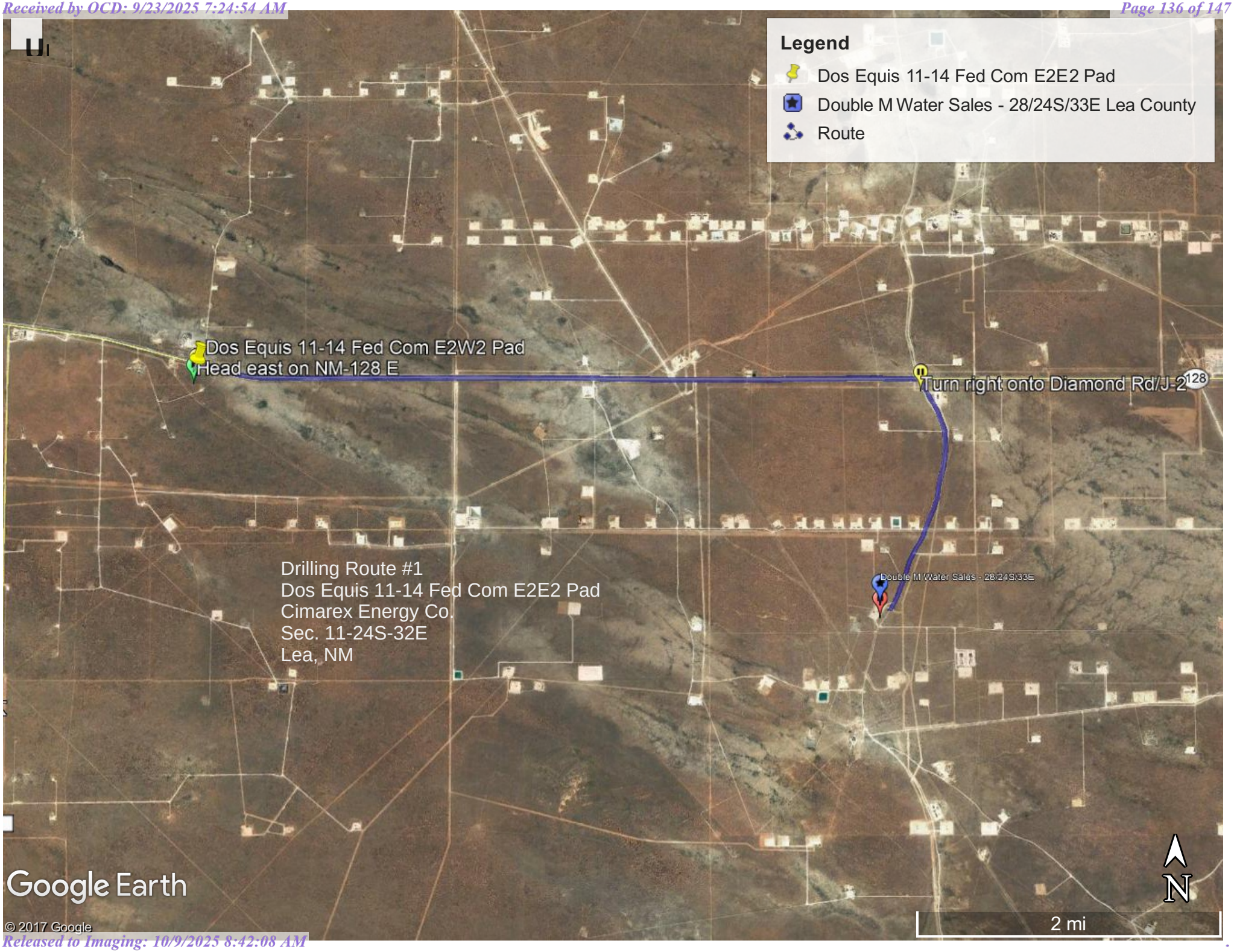
CIMAREX ENERGY CO.

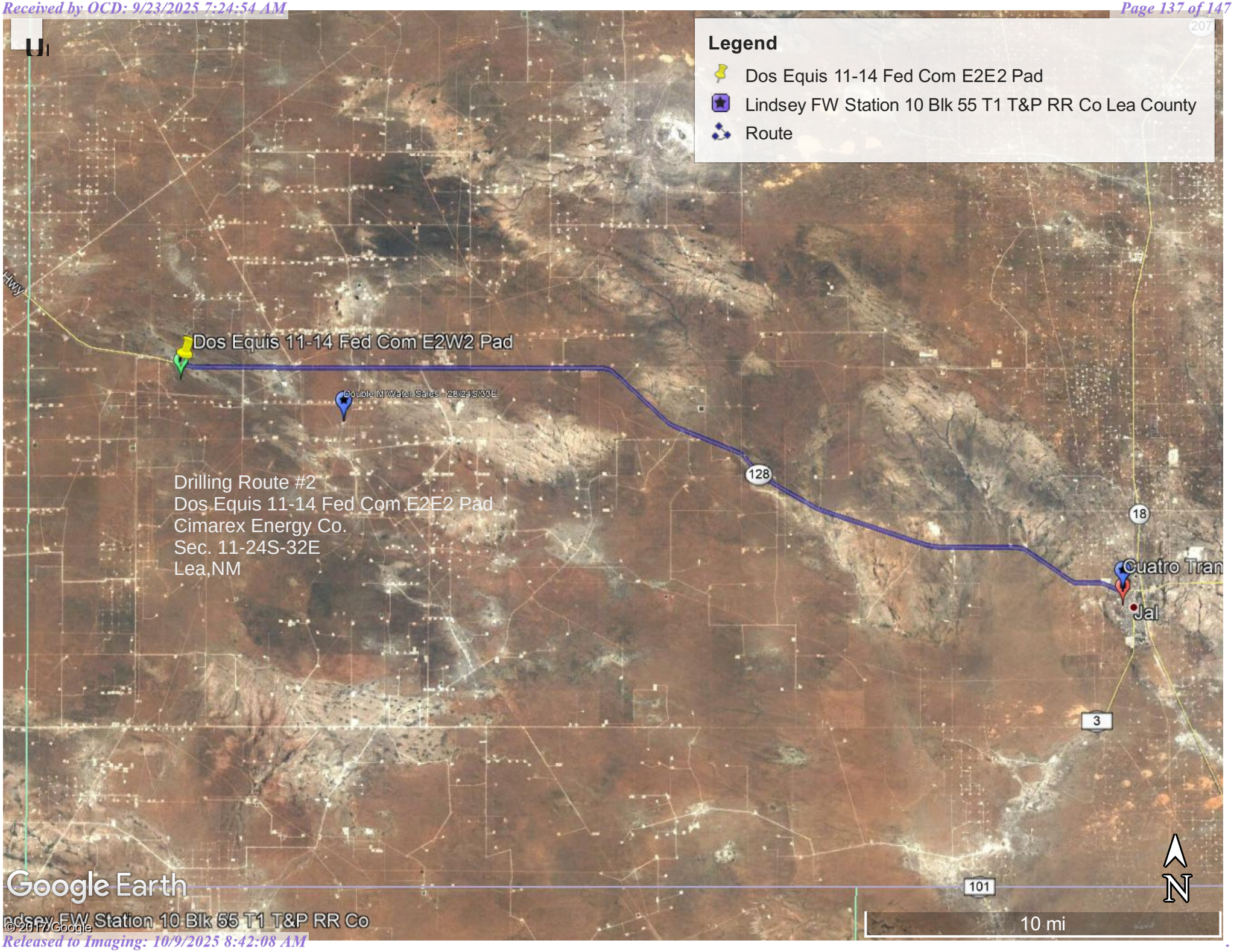
DOS EQUIS FEDERAL COM E2E2 (ROW 4)
SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

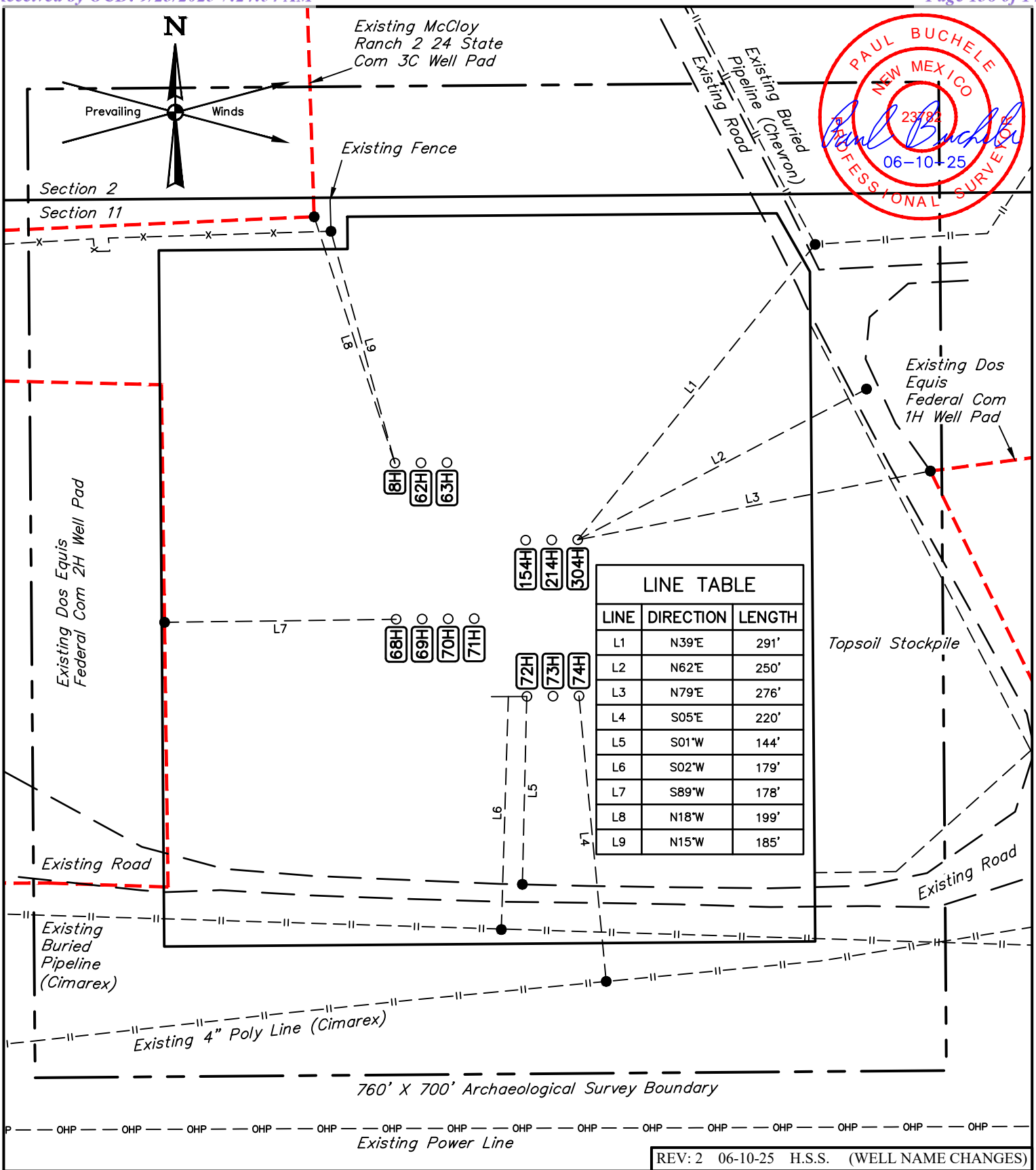
SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	L.W.	11-13-17	N/A
FLOW LINE R-O-W			EXHIBIT M

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017


Legend
Dos Equis 11-14 Fed Com E2E2 Pad
Double M Water Sales - 28/24S/33E Lea County
Route
Dos Equis 11-14 Fed Com E2W2 Pad
Head east on NM-128 E
Turn right onto Diamond Rd/J-2
128
Drilling Route #1
Dos Equis 11-14 Fed Com E2E2 Pad
Cimarex Energy Co.
Sec. 11-24S-32E
Lea, NM
Double M Water Sales - 28/24S/33E
Google Earth
© 2017 Google
N
2 mi


Legend
Dos Equis 11-14 Fed Com E2E2 Pad
Lindsey FW Station 10 Blk 55 T1 T&P RR Co Lea County
Route
Dos Equis 11-14 Fed Com E2W2 Pad
Double M Water Sales - 28\24S\33E
Drilling Route #2
Dos Equis 11-14 Fed Com E2E2 Pad
Cimarex Energy Co.
Sec. 11-24S-32E
Lea,NM
128
18
Cuatro Tran
Jal
3
101
Google Earth
© 2017 Google
10 mi
N



PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 06-10-25

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N39°E	291'
L2	N62°E	250'
L3	N79°E	276'
L4	S05°E	220'
L5	S01°W	144'
L6	S02°W	179'
L7	S89°W	178'
L8	N18°W	199'
L9	N15°W	185'

REV: 2 06-10-25 H.S.S. (WELL NAME CHANGES)

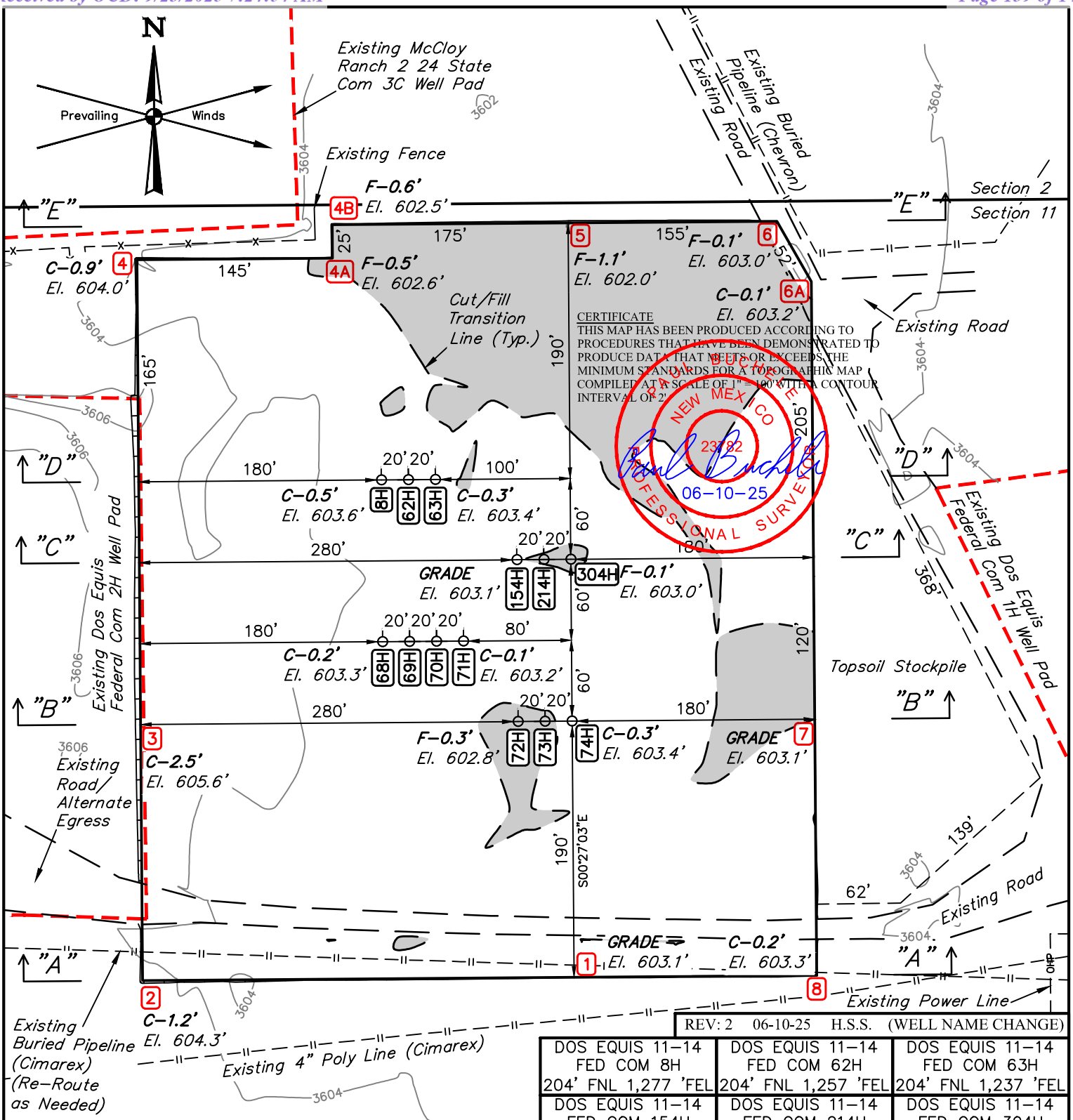
NOTES:

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	S.F.	11-08-17	1" = 100'
ARCHAEOLOGICAL SURVEY BOUNDARY			EXHIBIT L

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



REV: 2 06-10-25 H.S.S. (WELL NAME CHANGE)

DOS EQUIS 11-14 FED COM 8H 204' FNL 1,277 'FEL	DOS EQUIS 11-14 FED COM 62H 204' FNL 1,257 'FEL	DOS EQUIS 11-14 FED COM 63H 204' FNL 1,237 'FEL
DOS EQUIS 11-14 FED COM 154H 264' FNL 1,177 'FEL	DOS EQUIS 11-14 FED COM 214H 264' FNL 1,157 'FEL	DOS EQUIS 11-14 FED COM 304H 264' FNL 1,137 'FEL

FINISHED GRADE ELEVATION = **3603.1'**

Note: Earthwork calculations require a fill @ some location stakes for balance. All fill is to be compacted to a minimum of 95% of the maximum dry density obtained by AASHTO method t-99.

NOTES:

- Contours shown at 2' intervals.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted)
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Re-route existing utilities as needed.

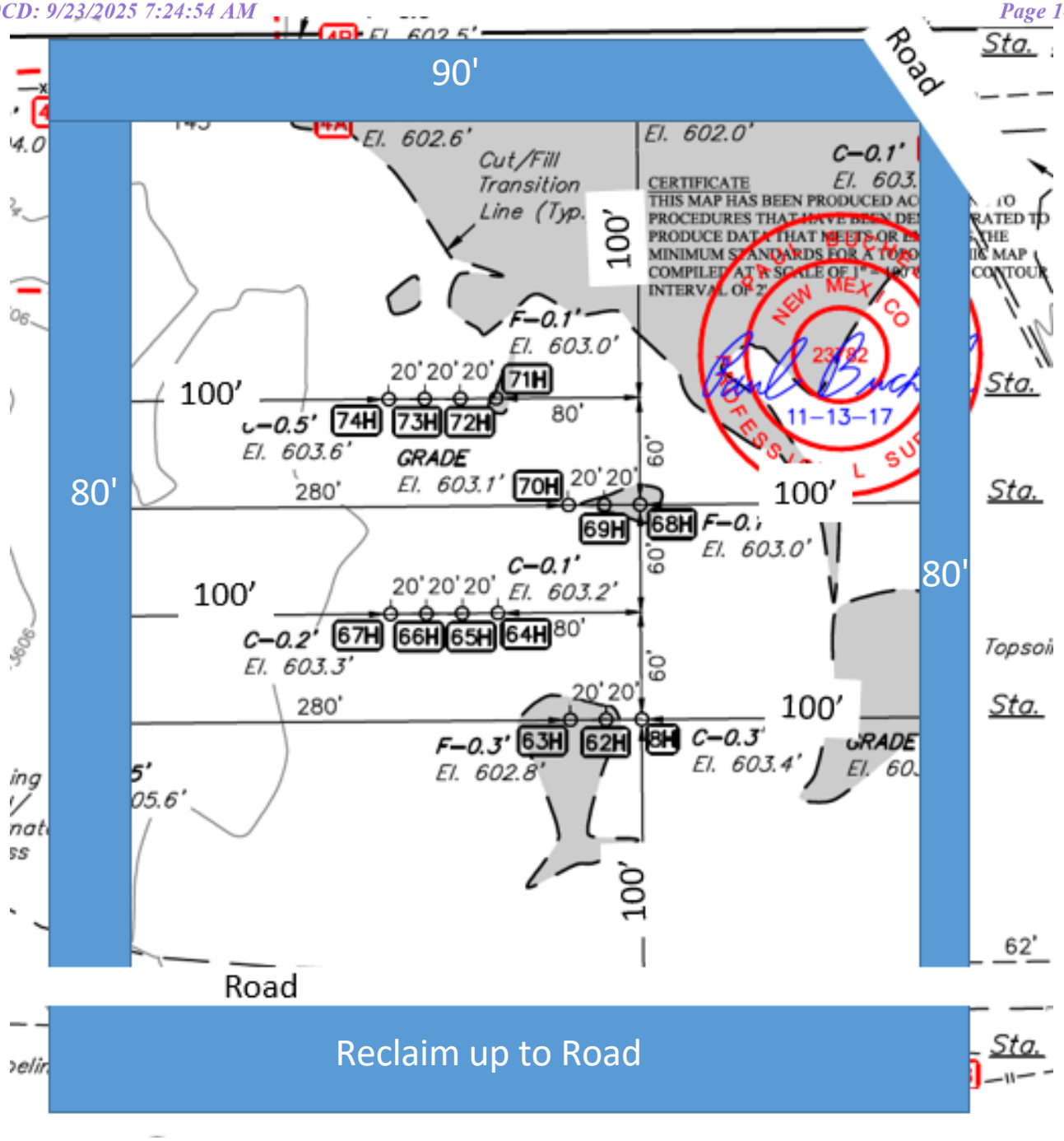
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

UINTAH ENGINEERING & LAND SURVEYING

CIMAREX ENERGY CO.

DOS EQUIS 11-14 FEDERAL COM E2E2
NE 1/4 NE 1/4, SECTION 11, T24S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	A.V., R.D.	10-11-17	SCALE
DRAWN BY	S.F.	11-08-17	1" = 100'
LOCATION LAYOUT			EXHIBIT J



Pad will be reclaimed after cessation of drilling operations.
Please see Surface Use Plan for pad reclamation plans.

N

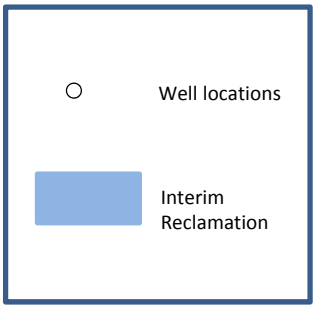


Exhibit P
Interim Reclamation Diagram
Dos Equis 11-14 Federal Com E2E2 pad
Cimarex Energy Co.
Sec 11-24S-32E
Lea Cty, NM

AFMSS

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

PWD Data Report

09/23/2025

APD ID: 10400106148 **Submission Date:** 07/24/2025

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

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:

Decribe 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: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

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:

Decribe 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: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

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: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM **Well Number:** 154H

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

AFMSS

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

Bond Info Data

09/23/2025

APD ID: 10400106148

Submission Date: 07/24/2025

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DOS EQUIS 11-14 FEDERAL COM

Well Number: 154H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: NMB001188

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:

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

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 508233
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☑	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	215099
	Action Number: 508233
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
sbowen00	Cement is required to circulate on both surface and intermediate1 strings of casing.	9/23/2025
sbowen00	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	9/23/2025
matthew.gomez	Administrative order required for non-standard spacing unit prior to production.	10/9/2025
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	10/9/2025
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.	10/9/2025
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.	10/9/2025
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.	10/9/2025