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.
30-045-38508

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: 12/05/2025

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: 12/05/2025

Additional Operator Remarks

Location of Well

0. SHL: LOT 3 / 518 FNL / 1560 FWL / TWSP: 32N / RANGE: 07W / SECTION: 12 / LAT: 36.998637 / LONG: -107.521281 (TVD: 0 feet, MD: 0 feet)

PPP: NESE / 0 FSL / 0 FWL / TWSP: 32N / RANGE: 07W / SECTION: 23 / LAT: 37.001836 / LONG: -107.524201 (TVD: 6858 feet, MD: 20801 feet)

PPP: NESE / 0 FSL / 0 FWL / TWSP: 32N / RANGE: 07W / SECTION: 24 / LAT: 37.001836 / LONG: -107.524201 (TVD: 6858 feet, MD: 20801 feet)

PPP: LOT 5 / 0 FSL / 0 FWL / TWSP: 32N / RANGE: 06W / SECTION: 19 / LAT: 37.001836 / LONG: -107.524201 (TVD: 6858 feet, MD: 20801 feet)

PPP: LOT 3 / 66 FSL / 2560 FWL / TWSP: 32N / RANGE: 06W / SECTION: 20 / LAT: 37.000234 / LONG: -107.524095 (TVD: 6858 feet, MD: 20801 feet)

PPP: LOT 6 / 0 FSL / 0 FWL / TWSP: 32N / RANGE: 06W / SECTION: 19 / LAT: 37.001836 / LONG: -107.524201 (TVD: 6858 feet, MD: 20801 feet)

BHL: NESE / 67 FSL / 798 FEL / TWSP: 32N / RANGE: 07W / SECTION: 23 / LAT: 37.000185 / LONG: -107.570323 (TVD: 6858 feet, MD: 20801 feet)

BLM Point of Contact

Name: CHRISTOPHER P WENMAN
Title: Natural Resource Specialist
Phone: (505) 564-7727
Email: cwenman@blm.gov

Conditions of Approval

Operator:	Hilcorp Energy Company
Well Names:	Allison Unit 611H (614H and Allison 605 Federal Com #613H)
Legal Location:	Sec 12, Twn 32 N, R 7 W, San Juan County, NM
NEPA Log Number:	DOI-BLM-NM-F010-2025-0060-EA
Inspection Date:	December 2, 2024
Lease Number:	NMNM078372X

The following conditions of approval will apply to Hilcorp-Allison Unit 611H and Allison 605 Federal 613H Oil and Natural Gas Well Project, and other associated facilities, unless a particular Surface Managing Agency or private surface owner has supplied to Bureau of Land Management and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in an assessment or civil penalties pursuant to 43 CFR 3163.1 or 3163.2.

Disclaimers: BLM's approval of the APD does not relieve the lessee and operator from obtaining any other authorizations that may be required by the BIA, Navajo Tribe, State, or other jurisdictional entities.

Copy of Plans: A complete copy of the APD package, including Surface Use Plan of Operations, Bare Soil Reclamation Plan, Plan of Development (if required), Conditions of Approval, Cultural Resource Record of Review, Cultural Resources Compliance Form (if required), and Project Stipulations (if required) shall be at the project area at all times and available to all persons.

Cultural Resources: Cultural resource protection stipulations are provided, see attached Cultural Record of Review.

Review of NEPA documents: It is the responsibility of the operator to follow all the design features, best management practices, and mitigation measures as contained in the Environmental Assessment DOI-BLM-NM-F010-2025-0060-EA, which contains additional design features and best management practices that must be followed. Copies of the EA, Decision Record, and Finding of No Significant Impact may be obtained from the BLM FFO public room, or online at: EplanningUi.

Best Management Practices (BMPs): Farmington Field Office established environmental Best Management Practices (BMP's) will be followed during construction and reclamation of well site pads, access roads, pipeline ties, facility placement or any other surface disturbing activity associated with this project. Bureau wide standard BMP's are found in the Gold Book, Fourth Edition-Revised 2007 and at https://www.blm.gov/sites/blm.gov/files/Gold%20Book%202007%20Revised.pdf. Farmington

Field Office BMPs are integrated into the Environmental Assessment, Surface Use Plan of Operations, Bare Soil Reclamation Plan, and COAs.

Construction, Production, Facilities, Reclamation & Maintenance

Construction & Reclamation Notification: The operator or their contractor will contact the Bureau of Land Management, Farmington Field Office Environmental Protection Staff (505) 564-7600 or by email, at least 48 hours prior to any construction or reclamation on this project.

Production Facilities: design and layout of facilities will be deferred until an onsite with BLM-FFO surface protection staff is conducted to determine the best location. Hilcorp or their contractor will contact the Bureau of Land Management, Farmington Field Office, Surface, and Environmental Protection Staff (505) 564-7600 to schedule a facility layout onsite.

Staking: The holder shall place slope stakes, culvert location and grade stakes, and other construction control stakes as deemed necessary by the authorized officer to ensure construction in accordance with the plan of development. If stakes are disturbed, they shall be replaced before proceeding with construction.

Weather: No construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support construction equipment. If such equipment creates ruts more than 6 inches deep, the soil shall be deemed too wet.

Stockpile of Soil: The top 6 inches of soil material will be stripped and stockpiled in the construction zones around the pad [construction zones may be restricted or deleted to provide resource avoidance]. The stockpiled soil will be free of brush and tree limbs, trunks, and roots. The stockpiled soil material will be spread on the reclaimed portions of the pad [including the reserve pit, cut and fill slopes] prior to re-seeding. Spreading shall not be done when the ground or topsoil is frozen or wet.

Storage Tanks: All open top permanent production or storage tanks regardless of diameter made of fiberglass, steel, or other material used for the containment of oil, condensate, produced water and or other production waste shall be screened, netted, or otherwise covered to protect migratory birds and other wildlife from access.

Compressors: Compressor units on this well location not equipped with a drip pan for containment of fluids shall be lined with an impervious material at least 8 mils thick and a 12-inch berm. The compressor will be painted to match the well facilities. Any variance to this will be approved by the Authorized Officer (AO). Noise mitigation may be required at the time of compressor installation.

Culverts: Silt Traps/Bell Holes will be built upstream of all culvert locations.

Driving Surface Area: All activities associated within the construction, operation, maintenance,

and abandonment of the well location is limited to areas approved in the APD or ROW permit. During the production of the well, vehicular traffic is limited to the daily driving surface area established during interim reclamation construction operations. This area typically forms a keyhole or teardrop driving surface from which all production facilities may be serviced or inspected. A v-type ditch will be constructed on the outside of the driving surface to further define the driving surface and to deter vehicular traffic from entering onto the interim reclamation areas.

Vehicular Traffic: The operator and the third-party contractor shall follow the rule of 6:00 AM to 6:30 PM Monday to Saturday for transportation during the construction and completion stage, except for an emergency purpose(s).

Contouring of Cut and Fill Slopes: The interim cut and fill slope grade shall be as close to the original contour as possible. To obtain this ratio, pits and slopes shall be back sloped into the pad during interim reclamation. Only subsurface soil and material shall be utilized in the contouring of the cut and fill slopes. Under no circumstances shall topsoil be utilized as substrate material for contouring of cut and fill slopes.

Maintenance: In order to perform subsequent well operations, right-of-way (ROW) operations, or install new/additional equipment, it may be necessary to drive, park, and operate on restored, interim vegetation within the previously disturbed area. This is generally acceptable provided damage is promptly repaired and reclaimed following use. Where vehicular travel has occurred as a "convenience" and interim reclamation/vegetation has been compromised, immediate remediation of the affected areas is required. Additionally, where erosion has occurred and compromised the reclamation of the well location, the affected area must be promptly remediated so that future erosion is prevented, and the landform is stabilized.

Layflat Lines: Layflat lines used for development of the wells may be on the ground for a maximum of 6 months and shall be retrieved immediately following completion operations. If the layflat lines are needed for longer than 6 months a Sundry NOI shall be submitted to the BLM FFO for review and decision that includes a rationale for the time extension.

Noxious Weeds

Inventory the proposed site for the presence of noxious and invasive weeds. Noxious weeds are those listed on the New Mexico Noxious Weed List and USDA's Federal Noxious Weed List. The New Mexico Noxious Weed List or USDA's Noxious Weed List can be updated at any time and should be regularly check for any changes. Invasive species may or may not be listed as a noxious weed but have been identified to likely cause economic or environmental harm or harm to human health. The following noxious weeds have been identified as occurring on lands within the boundaries of the Farmington Field Office (FFO). There are numerous invasive species on the FFO such as Russian thistle (*Salsola spp.)* and field bindweed (*Convolvulus arvensis*).

Russian Knapweed (*Centaurea repens*)	Musk Thistle (*Carduss nutans*)

Bull Thistle (*Cirsium vulgare*)	Canada Thistle (*Cirsium arvense*)
Scotch Thistle (*Onopordum acanthium)*	Hoary Cress (*Cardaria draba*)
Perennial Pepperweed (*Lepdium latiofolfium*)	Halogeton (*Halogeton glomeratus*)
Spotted Knapweed (*Centaurea maculosa*)	Dalmation Toadflax (*Linaria genistifolia*)
Yellow Toadflax (*Linaria vulgaris*)	Camelthorn (*Alhagi pseudalhagi*)
African Rue (*Penganum harmala*)	Salt Cedar (*Tamarix spp*.)
Diffuse Knapweed (*Centaurea diffusa*)	Leafy Spurge (*Euphorbia esula*)

a. Identified weeds will be treated prior to new surface disturbance if determined by the FFO Noxious Weed Coordinator. A Pesticide Use Proposal (PUP) must be submitted to and approved by the FFO Noxious Weed Coordinator prior to application of pesticide. The FFO Noxious Weeds Coordinator (505-564-7600) can provide assistance in the development of the PUP.

b. Vehicles and equipment should be inspected and cleaned prior to coming onto the work site. This is especially important on vehicles from out of state or if coming from a weed-infested site.

c. Fill dirt or gravel may be needed for excavation, road construction/repair, or for spill remediation. If fill dirt or gravel will be required, the source shall be noxious weed free and approved by the FFO Noxious Weed Coordinator.

d. The site shall be monitored for the life of the project for the presence of noxious weeds (includes maintenance and construction activities). If weeds are found the FFO Coordinator shall be notified at (505) 564-7600 and provided with a Weed Management Plan and if necessary, a Pesticide Use Proposal (PUP). The FFO Coordinator can provide assistance developing the Weed Management Plan and/or the Pesticide Use Proposal.

e. Only pesticides authorized for use on BLM lands would be used and applied by a licensed pesticide applicator. The use of pesticides would comply with federal and state laws and used only in accordance with their registered use and limitations. Hilcorp's weed-control contractor would contact the BLM-FFO prior to using these chemicals.

f. Noxious/invasive weed treatments must be reported to the FFO Noxious Weed Coordinator. A Pesticide Use Report (PUR) is required to report any mechanical, chemical, biological, or cultural treatments used to eradicate, and/or control noxious or invasive species. Reporting will be required quarterly and annually or per request from the FFO Noxious Weed Coordinator.

Bare ground vegetation trim-out: If bare ground vegetation treatment (trim-out) is desired around facility structures, the operator will submit a bare ground/trim-out design included in their Surface Use Plan of Operations (SUPO). The design will address vegetation safety concerns

of the operator and BLM while minimizing impacts to interim reclamation efforts. The design must include what structures to be treated and buffer distances of trim-out. Pesticide use for vegetation control around anchor structures is not approved. If pesticides are used for bare ground trim-out, the trim-out will not exceed three feet from the edge of any eligible permanent structure (i.e., well heads, fences, tanks). Additional distance/areas may be requested and must be approved by the FFO authorized officer. The additional information below must also be provided to the FFO:

a. Pesticide use for trim out will require a Pesticide Use Proposal (PUP). A PUP is required ***prior*** to any treatment and must be approved by the FFO Noxious Weed Coordinator. Only pesticides authorized for use on BLM lands would be used and applied by a licensed pesticide applicator. The use of pesticides would comply with federal and state laws and used only in accordance with their registered use and limitations. Hilcorp's weed-control contractor would contact the BLM-FFO prior to using these chemicals and provide Pesticide Use Reports (PURs) post treatment.

b. A Pesticide Use Report (PUR) or a Biological Use Report (BUR) is required to report any chemical, or biological treatments used to eradicate, or control vegetation on site. Reporting will be required quarterly and annually or per request from the FFO Noxious Weed Coordinator.

Paleontology

Any paleontological resource discovered by the Operator, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area 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 to determine appropriate actions to prevent the loss of significant scientific values. The Holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the Holder.

Visual Resources

Dark Sky COAs need to be applied to existing lighting, which is not dark sky friendly and to any additional lights added as part of pad expansion. 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). All permanent lighting will be pointed straight down at the ground in order to prevent light spill to the sides. All permanent lighting will be 4000° Kelvin or less with 3000° Kelvin preferred. Warmer light colors are less noticeable by humans and cause less impact to wildlife. All permanent lighting will be controlled by a switch and/or timer which allows the lights to be turned on when workers are on location during dark periods but will keep the lights off the majority of the time.

Wildlife Resources

Wildlife: F-4 Timing Limitation Stipulation-Important Seasonal Wildlife Habitat Middle Mesa Wildlife SDA. No surface use is allowed during the following time period: December 1 - March 31.

Hazards: Wildlife hazards associated with the proposed project would be fenced, covered, and/or contained in storage tanks, as necessary.

Migratory Bird: Migratory nest survey stipulations. Once drilling and completion activities are complete, any open water that could be harmful to birds and wildlife. must be covered, screened, or netted to prevent entry.

Threatened, Endangered or Sensitive Species: If, in operations the operator/holder discovers any Threatened, Endangered, or Sensitive species, work in the vicinity of the discovery will be suspended and the discovery promptly reported to the BLM-FFO T&E specialist at (505) 564-7600. The BLM-FFO will then specify what action is to be taken. Failure to notify the BLM-FFO about a discovery may result in civil or criminal penalties in accordance with The Endangered Species Act (as amended).

Noise: This well is located within a designated Noise Sensitive Area (NSA). Once proposed project activities are complete, noise from pumpjack, compressor or other facilities cannot exceed 48.6 db at edge of Bald eagle ACEC core area. Any compressor that emits noise > 48.6db may require a 'noise wall' to deflect sound away from ACEC…

Nesting: If a bird nest containing eggs or young is encountered in the path of construction the operator will cease construction and consult with BLM to determine appropriate actions.

Livestock Grazing: Cattle guards need to be installed at all locations where roads cross fence lines. Roads should be developed in a manner that does not affect water flow to stock watering ponds.

Soil, Air, Water

Land Farming: No excavation, remediation or closure activities will be authorized without prior approval, on any federal or Indian mineral estate, federal surface, or federal ROW. A Sundry Notice (DOI, BLM Form 3160-5) must be submitted with an explanation of the remediation or closure plan for on-lease actions.

Emission Control Standard: Compressor engines 300 horsepower or less used during well production must be rated by the manufacturer as emitting NOx at 2 grams per horsepower hour or less to comply with the New Mexico Environmental Department, Air Quality Bureau's guidance.

Waste Disposal: Waste Disposal: Waste materials produced during all phases of operation will be disposed of promptly in an approved manner so it will not impact the air, soil, water, vegetation or animals. “Waste” means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes and equipment. All liquid waste, completion fluids and drilling products associated with oil and gas operations will be removed and deposited in an approved disposal site. Portable toilets will remain on site throughout well pad construction, drilling and reclamation. All fluids (i.e. scrubber cleaners) used during washing of production equipment, including compressors, will be properly disposed of to avoid ground contamination or hazard to livestock or wildlife. Construction sites shall be maintained in a sanitary condition at all times; waste materials at those sites shall be disposed of promptly at an appropriate waste disposal site. “Waste” means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes and equipment.

Cultural Resources

Non-Permitted Disturbance: Construction, construction maintenance or any other activity outside the areas permitted by the APD will require additional approval and may require a new cultural survey and clearance.

Employee Education: All employees of the project, including the Project Sponsor and its contractors and sub-contractors will be informed that cultural sites are to be avoided by all personnel, personal vehicles, and company equipment. They will also be notified that it is illegal to collect, damage, or disturb cultural resources, and that such activities are punishable by criminal and or administrative penalties under the provisions of the Archaeological Resources Protection Act (16 U.S.C. 470aa-mm) when on federal land and the New Mexico Cultural Properties Act NMSA 1978 when on state land.

Discovery of Cultural Resources during Monitoring: If monitoring confirms the presence of previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery will be suspended and the monitor will promptly report the discovery to the BLM Field Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery in accordance with 36 CFR Section 800.13, in consultation with the appropriate State or Tribal Historic Preservation Officer(s) and Indian tribe(s) that might attach religious and cultural significance to the affected property, or in accordance with an approved program alternative. Minor recordation, stabilization, or data recovery may be performed by BLM or a third party acting on its behalf, such as a permitted cultural resources consultant. If warranted, more extensive archaeological or alternative mitigation, likely implemented by a permitted cultural resources consultant, may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any mitigations determined appropriate through the agency’s Section 106 consultation are completed.

Discovery of Cultural Resources in the Absence of Monitoring: If, in its operations, operator/holder discovers any previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery the operator will suspend work, and the discovery will be promptly reported to BLM Field Manager. The same procedures to remedy the discovery in above section will be adhered to. Failure to notify the BLM about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act (ARPA) of 1979, as amended, the Native American Graves Protection and Repatriation Act (NAGPRA) of 1990, as amended, and other applicable laws.

Damage to Sites: If, in its operations, operator/holder damages, or is found to have damaged any previously documented or undocumented historic or prehistoric cultural resources, excluding "discoveries" as noted above, the operator/holder agrees at his/her expense to have a permitted cultural resources consultant prepare a BLM approved damage assessment and/or data recovery plan. The operator/holder agrees at his/her expense to implement a mitigation that the agency finds appropriate given the significance of the site, which the agency determines in consultation with the appropriate State or Tribal Historic Preservation Officer(s) and Indian tribe(s) that might attach religious and cultural significance to the affected property. This mitigation may entail execution of the data recovery plan by a permitted cultural resources consultant and/or alternative mitigations. Damage to cultural resources may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act (ARPA) of 1979, as amended, the Native American Graves Protection and Repatriation Act (NAGRPA) of 1990, as amended, and other applicable laws.

See below additional cultural stipulations.

BLM Report Number: 2025(II)012F
USGS Map: Burnt Mesa, NM
Activity Code: 1430
NMCRIS No: 157767

CULTURAL RESOURCE RECORD OF REVIEW
BUREAU OF LAND MANAGEMENT
FARMINGTON FIELD OFFICE

1. Description of Report/Project:
Project Name: Allison 601H Pipeline Tie-In.
Project Sponsor: Hilcorp Energy Company.
Arch. Firm & Report No.: SWCA Environmental; SWCA Report No SWCA-25-108.
Location: T32N R7W Section 12

Well Footages: N/A
Split Estate: No
Project Dimensions: 207 ft x 40 ft – pipeline.

Sites Located: None.
Determination: No Effect to Historic Properties.
2. Field Check: none.
3. Cultural ACEC: No.
4. Sensitive Cultural Area: No
5. Recommendation: *PROCEED WITH ACTION:* X *STIPULATIONS ATTACHED:* __
6. Reviewer /Archaeologist: Kim Adams **Date**: 2/18/2025

Report Summary	BLM	Other	Total
Acres Inventoried	0.03	0.90	0.93
Sites Recorded	0	0	0
Prev. Recorded Sites	0	0	0
Sites Avoided	0	0	0
Sites Treated	0	0	0

Discovery of Cultural Resources in the Presence or Absence of Monitoring: If any previously unidentified historic or prehistoric cultural resources are discovered during construction or project operations, work in the vicinity of the discovery will be suspended and the discovery will promptly be reported to the BLM Field Manager.

Note: If there are questions about these stipulations, contact Kim Adams (BLM) at 505.564.7683 or kadams@blm.gov.

1

9

BLM Report Number: 2024(II)017F
USGS Map: Bancos Mesa NW, NM
Activity Code: 1310
NMCRIS No: 153958

CULTURAL RESOURCE RECORD OF REVIEW
BUREAU OF LAND MANAGEMENT
FARMINGTON FIELD OFFICE

1. Description of Report/Project:
Project Name: San Juan 31-6 Unit Layflat Waterline, Access Road, and Booster Stations Project.
Project Sponsor: Hilcorp Energy Company.
Arch. Firm & Report No.: Adkins Consulting, Inc; ACI Report No. ACI(F)050
Location: T32N R6W Sections 9, 15, & 16.
Well Footages: N/A
Split Estate: Yes
Project Dimensions: 6,889 ft x 40 ft – layflat line
80 ft x 80 ft - booster pad
80 ft x 80 ft – generator pad
50 ft x 50 ft – TUA
Sites Located: LA135314/NM-210-49542 (NRHP: Not Determined; Update; Avoided).
LA130955/NM-01-42030 (NRHP: Not Eligible; Update; Avoided; No Further Work).
LA130954/NM-01-42029 (NRHP: Not Determined; Update; Avoided).
LA204307/NM-210-49543 (NRHP: Eligible; Avoided).

Determination: No Effect to Historic Properties.
2. Field Check: No.
3. Cultural ACEC: No.
4. Sensitive Cultural Area: No.
5. Recommendation: *PROCEED WITH ACTION:* X *STIPULATIONS ATTACHED:* X
6. Reviewer /Archaeologist: Kim Adams **Date**: 3/14/2024

Report Summary	BLM	Other	Total
Acres Inventoried	0.00	39.29	39.29
Sites Recorded	0	1	1
Prev. Recorded Sites	0	3	3
Sites Avoided	0	4	4
Sites Treated	0	0	0

Discovery of Cultural Resources in the Presence or Absence of Monitoring: If any previously unidentified historic or prehistoric cultural resources are discovered during construction or project operations, work in the vicinity of the discovery will be suspended and the discovery will promptly be reported to the BLM Field Manager.

Note: If there are questions about these stipulations, contact Kim Adams (BLM) at 505.564.7683 or kadams@blm.gov.

1

10

CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2024(II)017F

Project Name: San Juan 31-6 Unit Layflat Waterline, Access Road, and Booster Stations Project.
Project Sponsor: Hilcorp Energy Company.

1. SITE PROTECTION AND EMPLOYEE EDUCATION:
All employees of the project, including the Project Sponsor and its contractors and sub-contractors will be informed that cultural sites are to be avoided by all personnel, personal vehicles and company equipment. They will also be notified that it is illegal to collect, damage, or disturb cultural resources, and that such activities are punishable by criminal and or administrative penalties under the provisions of the Archaeological Resources Protection Act (16 U.S.C. 470aa-mm) when on federal land and the New Mexico Cultural Properties Act NMSA 1978 when on state land.

2. ARCHAEOLOGICAL MONITORING IS REQUIRED:
A copy of these stipulations will be supplied to the archeological monitor at least two working days prior to the start of construction activities. No construction activities, including vegetation removal, may begin before the arrival of the archaeological monitor.
The monitor will:

- Observe the placement of the layflat line within 100'of LA135314, LA130954, and LA204307.
- Ensure that the BLMFFO is notified 24 hours prior to the start of archaeological monitoring.
- Submit a report of the monitoring activities within 30 days of completion of monitoring unless other arrangements are made with the BLM. These stipulations must be attached to the report.

Note: If there are questions about these stipulations, contact Kim Adams (BLM) at 505.564.7683 or kadams@blm.gov.

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2024(II)017F

Project Name: San Juan 31-6 Unit Layflat Waterline, Access Road, and Booster Stations Project.
Project Sponsor: Hilcorp Energy Company.

MONITOR ZONE =

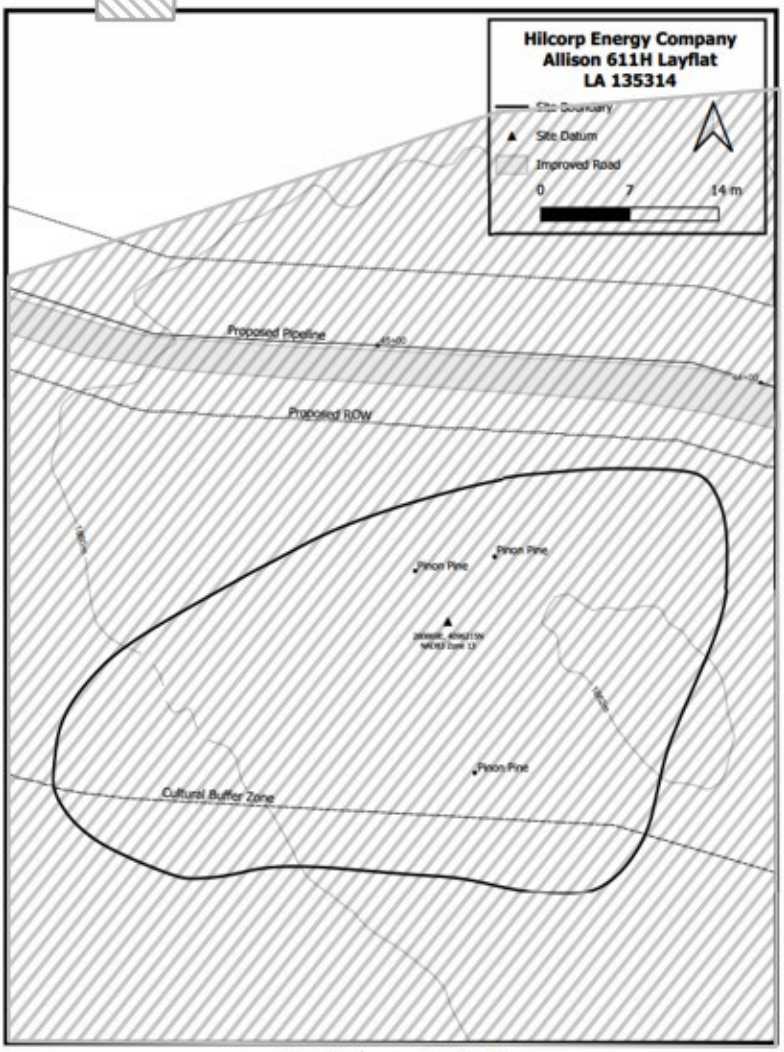


Figure 3. Site map, LA 135314.

3

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2024(II)017F

Project Name: San Juan 31-6 Unit Layflat Waterline, Access Road, and Booster Stations Project.
Project Sponsor: Hilcorp Energy Company.

MONITOR ZONE =

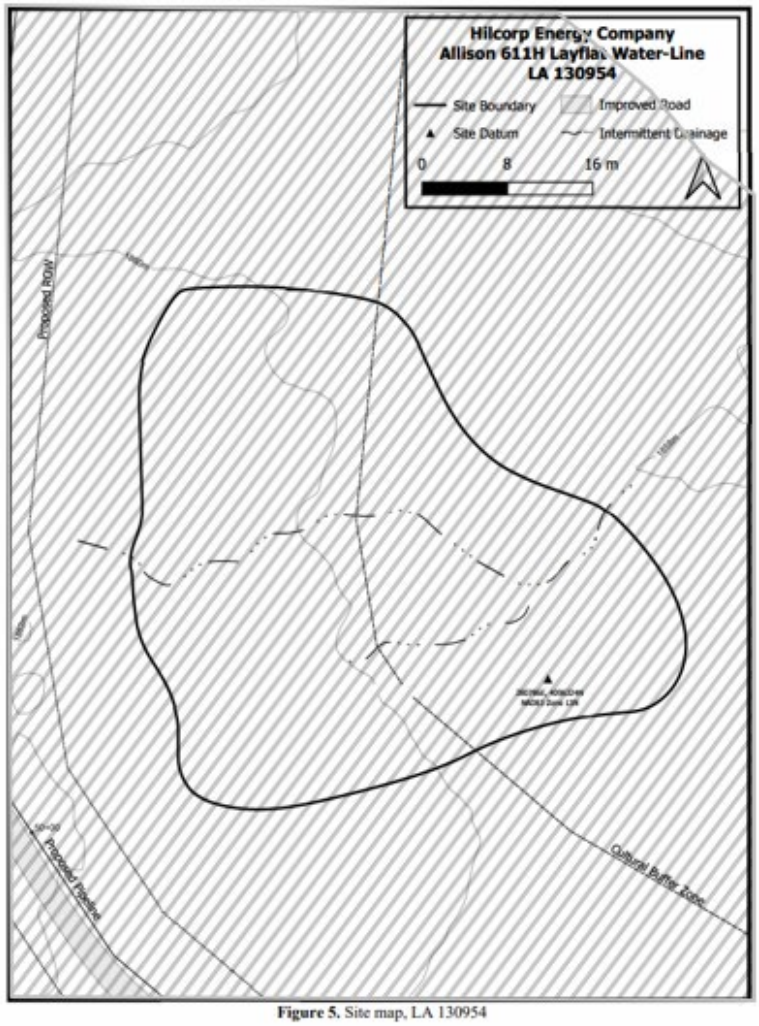


Figure 5. Site map, LA 130954

4

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2024(II)017F

Project Name: San Juan 31-6 Unit Layflat Waterline, Access Road, and Booster Stations Project.
Project Sponsor: Hilcorp Energy Company.

MONITOR ZONE =

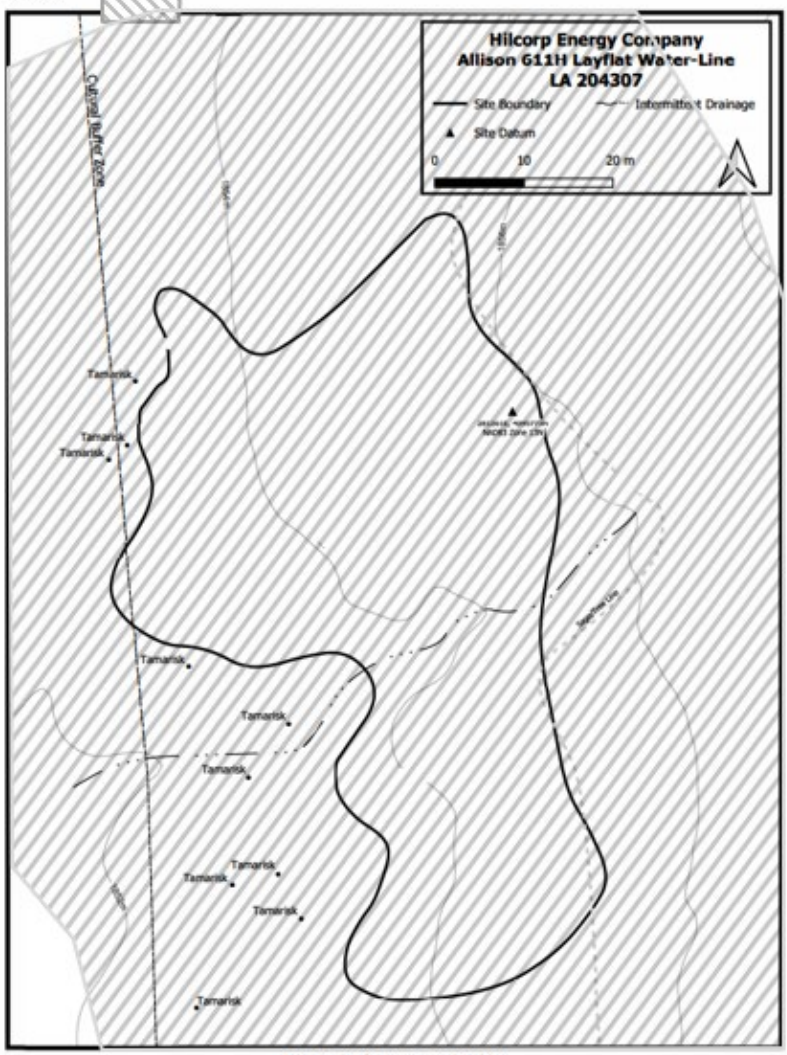


Figure 8. Site map, LA 204307

5

BLM Report Number: 2020(I)007F
USGS Map: Burnt Mesa, NM
Activity Code: 1310
NMCRIS No: 144207

CULTURAL RESOURCE RECORD OF REVIEW
BUREAU OF LAND MANAGEMENT
FARMINGTON FIELD OFFICE

1. Description of Report/Project:
Project Name: Restaked Allison Unit #124H Well Pad.
Project Sponsor: Hilcorp Energy Company.
Arch. Firm & Report No.: La Plata Archaeological Consultants, LAC Report No. 2019-1w.
Location: T32N R7W Section 12.

Well Footages: 124H: 177' FNL; 1,552' FWL.
Split Estate: Yes.
Project Dimensions: 250 ft x 225 ft – Well pad (350 ft x 325 ft w/ 50 ft construction zone on each side of the pad).

Sites Located: LA71294/NM-01-35157 (NRHP: Not Determined; Avoided).
Determination: No Effect to Historic Properties.
2. Field Check: No.
3. Cultural ACEC: No.
4. Sensitive Cultural Area: No.
5. Recommendation: *PROCEED WITH ACTION:* X *STIPULATIONS ATTACHED:* X
6. Reviewer /Archaeologist: Kim Adams **Date:** 10/9/2019

Report Summary	BLM	Other	Total
Acres Inventoried	5.69	0.00	5.69
Sites Recorded	0	0	0
Prev. Recorded Sites	0	0	0
Sites Avoided	0	0	0
Sites Treated	0	0	0

Discovery of Cultural Resources in the Presence or Absence of Monitoring: If any previously unidentified historic or prehistoric cultural resources are discovered during construction or project operations, work in the vicinity of the discovery will be suspended and the discovery will promptly be reported to the BLM Field Manager.

Note: If there are questions about these stipulations, contact Kim Adams (BLM) at 505.564.7683 or kadams@blm.gov.

CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2020(I)007F

Project Name: Restaked Allison Unit #124H Well Pad.
Project Sponsor: Hilcorp Energy Company.

1. SITE PROTECTION AND EMPLOYEE EDUCATION:
All employees of the project, including the Project Sponsor and its contractors and sub-contractors will be informed that cultural sites are to be avoided by all personnel, personal vehicles and company equipment. They will also be notified that it is illegal to collect, damage, or disturb cultural resources, and that such activities are punishable by criminal and or administrative penalties under the provisions of the Archaeological Resources Protection Act (16 U.S.C. 470aa-mm) when on federal land and the New Mexico Cultural Properties Act NMSA 1978 when on state land.

2. ARCHAEOLOGICAL MONITORING IS REQUIRED:
A copy of these stipulations will be supplied to the archaeological monitor at least two working days prior to the start of construction activities. No construction activities, including vegetation removal, may begin before the arrival of the archaeological monitor.

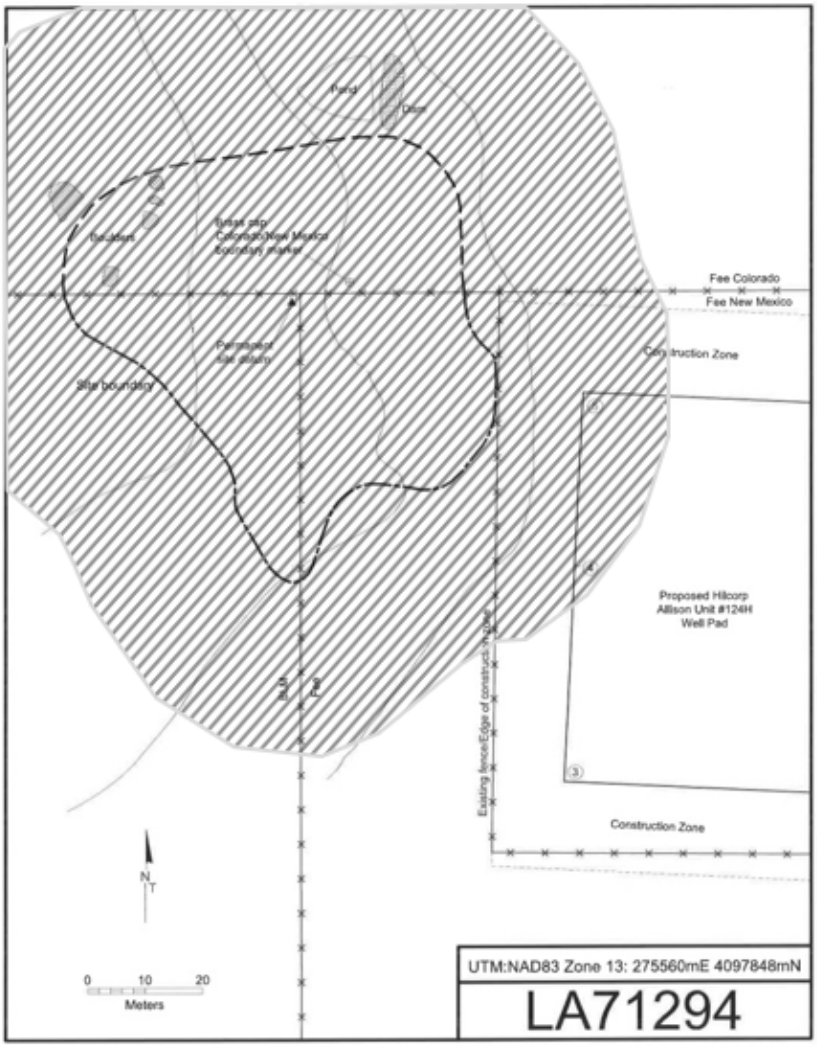
The monitor will:

- Observe all surface disturbing activities within 100' of LA71294.
- **Submit a report of the monitoring activities within 30 days of completion of monitoring.** These stipulations must be attached to the report.

Note: If there are questions about these stipulations, contact Kim Adams (BLM) at 505.564.7683 or kadams@blm.gov.

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2020(I)007F

Project Name: Restaked Allison Unit #124H Well Pad.
Project Sponsor: Hilcorp Energy Company.
MONITOR ZONE =



BLM Report Number: 2026(I)004F
USGS Map: Burnt Mesa, & Bancos Mesa NW, NM
Activity Code: 1310
NMCRIS No: 158575

CULTURAL RESOURCE RECORD OF REVIEW
BUREAU OF LAND MANAGEMENT
FARMINGTON FIELD OFFICE

1. **Description of Report/Project:**

Project Name: Allison 611H Well Pad and Layflat Waterline Project.
Project Sponsor: Hilcorp Energy.
Arch. Firm & Report No.: SWCA Environmental; SWCA Report No. SWCA: 25-672
Location: T32N R6W Sections 7, 8, 9, & 16
T32N R7W Section 12
Well Footages: See Plats
Split Estate: yes
Project Dimensions: 25,727 ft x 30 ft – layflat
3,649 ft x 30 ft – **access road**
(2X) 50 ft x 50 ft – **booster pads**
80 ft x 90 ft – **generator pad,**
(4X) 80 ft x 80 ft – **turnaround areas**
(3X) 80 ft x 160 ft – **pump pads**
80 ft x 95 ft – **pump pad**
80 ft x 35 ft – **pump pad**
80 ft x 116 ft – **pump pad.**

Note: During previous pad construction on Fee surface, LA71924 was impacted. In order to address these impacts, the BLM FFO is requiring testing in the area of the site boundary that has been impacted. This will be reported separately from this undertaking and this site boundary will be completely avoided during the current project.

Sites Located: LA4182/ NM-210-774 (NRHP: Not Determined; Update; Avoided).
LA130956/ NM-210-42031 (NRHP: Not Determined; Update; Avoided)**. (Site was Subsumed)**
LA71294/ NM-210-35157 (NRHP: Not Determined; Update; Avoided).
LA130954/ NM-210-42029 (NRHP: Not Determined; Update; Avoided).
LA130955/ NM-210-42030 (NRHP: Not Determined; Update; Avoided).
LA135314/ NM-210-49542 (NRHP: Not Determined; Update; Avoided).
LA204307/ NM-210-49543 (NRHP: Eligible; Update; Avoided).

Determination: No Effect to Historic Properties.
2. **Field Check:** No
3. **Cultural ACEC:** No.
4. **Sensitive Cultural Area:** No.
5. **Recommendation:** *PROCEED WITH ACTION:* X *STIPULATIONS ATTACHED:* X

1

6. Reviewer /Archaeologist: Kim Adams **Date**: 11/19/2025

Report Summary	BLM	Other	Total
Acres Inventoried	1.84	64.02	65.86
Sites Recorded	0	0	0
Prev. Recorded Sites	1	6	7
Sites Avoided	1	6	7
Sites Treated	0	0	0

Discovery of Cultural Resources in the Presence or Absence of Monitoring: If any previously unidentified historic or prehistoric cultural resources are discovered during construction or project operations, work in the vicinity of the discovery will be suspended and the discovery will promptly be reported to the BLM Field Manager.

Note: If there are questions about these stipulations, contact Kim Adams (BLM) at 505.215.4966 or kadams@blm.gov.

2

CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2026(I)004F

Project Name: Allison 611H Well Pad and Layflat Waterline Project.
Project Sponsor: Hilcorp Energy.

1. SITE PROTECTION AND EMPLOYEE EDUCATION:
All employees of the project, including the Project Sponsor and its contractors and sub-contractors will be informed that cultural sites are to be avoided by all personnel, personal vehicles and company equipment. They will also be notified that it is illegal to collect, damage, or disturb cultural resources, and that such activities are punishable by criminal and or administrative penalties under the provisions of the Archaeological Resources Protection Act (16 U.S.C. 470aa-mm) when on federal land and the New Mexico Cultural Properties Act NMSA 1978 when on state land.

2. ARCHAEOLOGICAL MONITORING IS REQUIRED:
A copy of these stipulations will be supplied to the archeological monitor at least two working days prior to the start of construction activities. No construction activities, including vegetation removal, may begin before the arrival of the archaeological monitor.
The monitor will:

- Ensure that site protection barriers are located as indicated on the attached maps in the vicinity of LA4182, LA71294, LA130954, LA130955, LA135314, & LA204307.
- Inform BLM-FFO archaeologists that monitoring will be occurring within 24 hours of the scheduled monitoring.
- Observe all construction within 100'of LA4182, LA71294, LA130954, LA130955, LA135314, & LA204307.
- Submit a report of the monitoring activities within 30 days of completion of monitoring unless other arrangements are made with the BLM. These stipulations must be attached to the report.

3. SITE PROTECTION BARRIER:

- The T Post and Wire Fences will be erected prior to any construction. The barriers will consist of upright T Posts spaced no more than 10 feet apart and marked with blue flagging. At least two lines of wire will connect each of the T Posts (more if necessary). The barriers will remain in place through the life of the well pad and shall be promptly removed after reclamation. After construction, please remove the blue flagging from the fence to better protect the site.
- The barriers will be placed as indicated on the attached maps.
- There will be no surface-disturbing activities or vehicle traffic past the barriers.

Note: If there are questions about these stipulations, contact Kim Adams (BLM) at 505.215.4966 or kadams@blm.gov.

3

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2026(I)004F

Project Name: Allison 611H Well Pad and Layflat Waterline Project.
Project Sponsor: Hilcorp Energy.

MONITOR ZONE = T POST and WIRE FENCE =

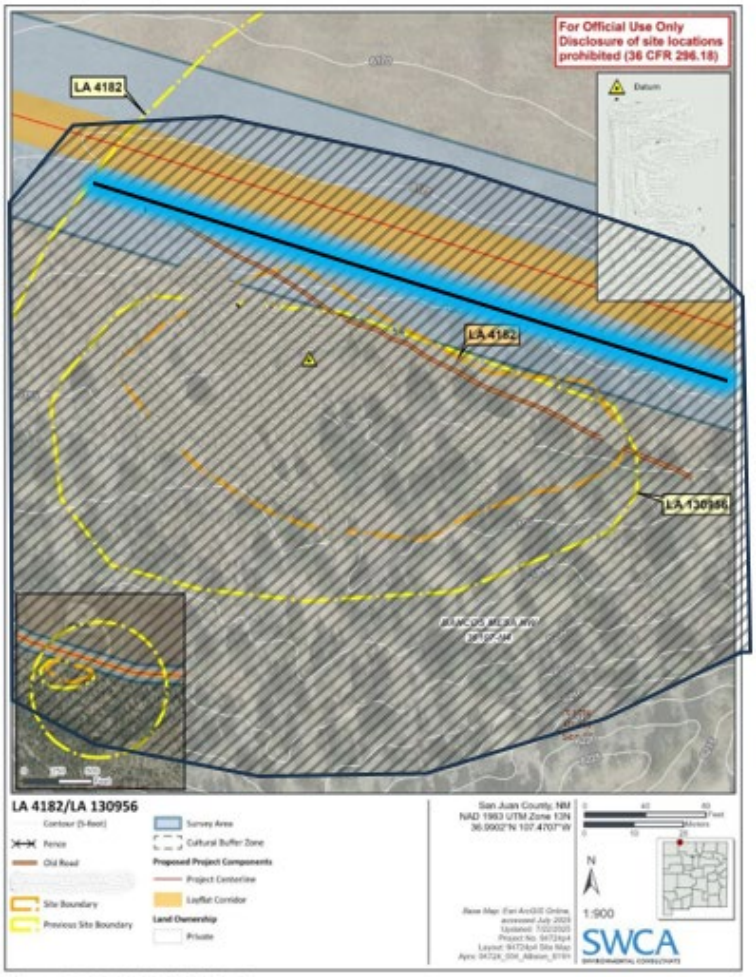


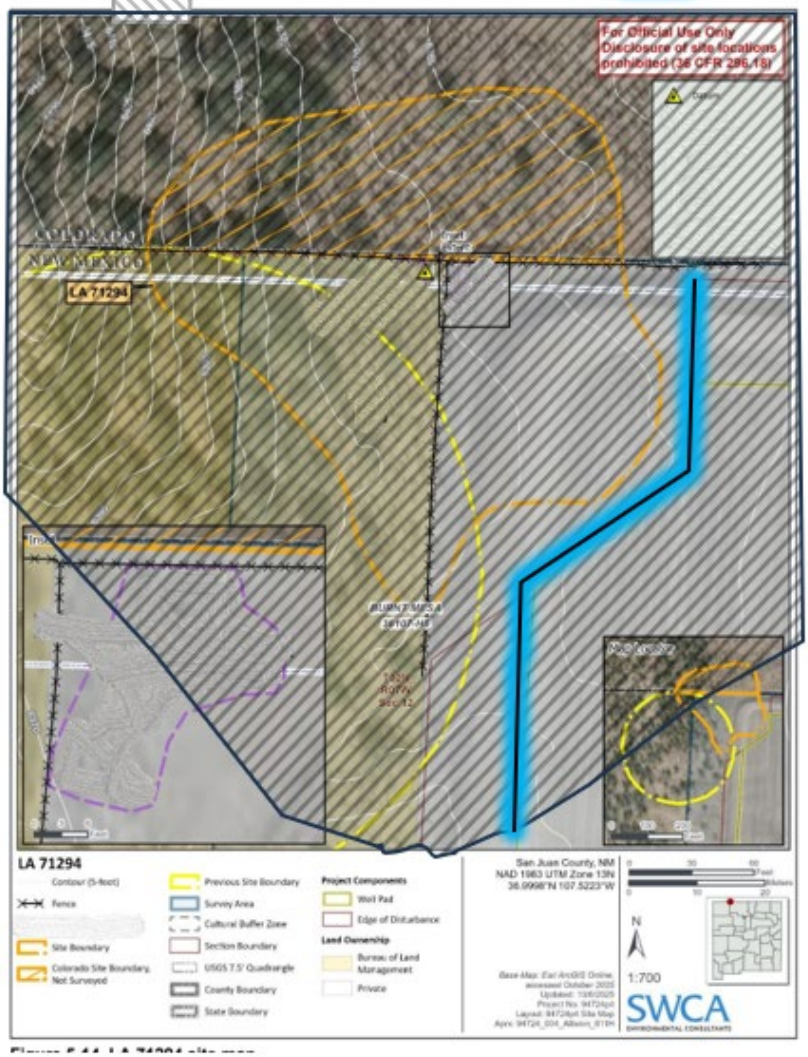
Figure 5-7. LA 4182/LA130956 site map.

4

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2026(I)004F

Project Name: Allison 611H Well Pad and Layflat Waterline Project.
Project Sponsor: Hilcorp Energy.

MONITOR ZONE = T POST and WIRE FENCE =



5

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2026(I)004F

Project Name: Allison 611H Well Pad and Layflat Waterline Project.
Project Sponsor: Hilcorp Energy.

MONITOR ZONE = T POST and WIRE FENCE =

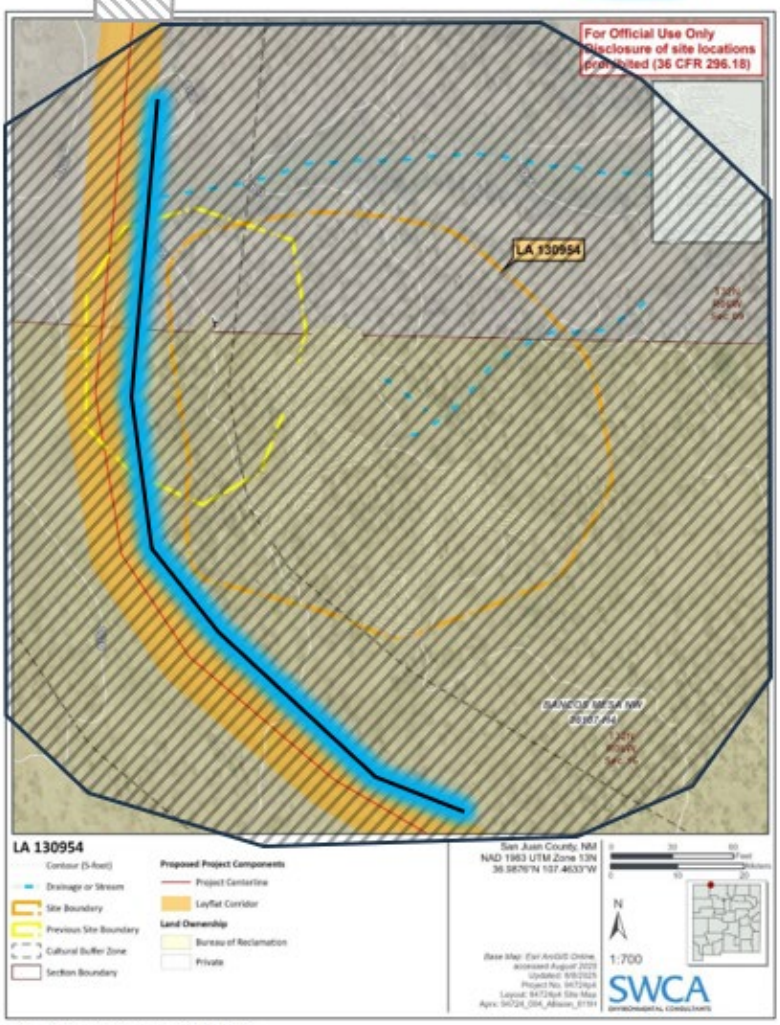


Figure 5-17. LA 130954 site map.

6

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2026(I)004F

Project Name: Allison 611H Well Pad and Layflat Waterline Project.
Project Sponsor: Hilcorp Energy.

MONITOR ZONE = T POST and WIRE FENCE =

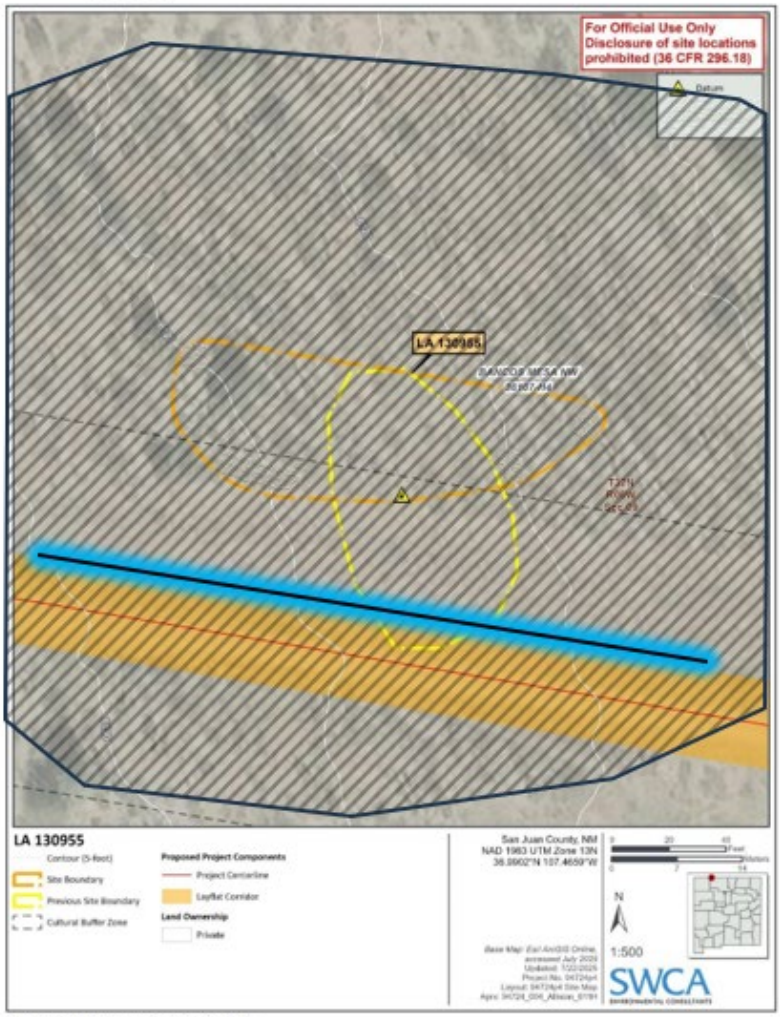


Figure 5-19. LA 130955 site map.

7

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2026(I)004F

Project Name: Allison 611H Well Pad and Layflat Waterline Project.
Project Sponsor: Hilcorp Energy.

MONITOR ZONE = T POST and WIRE FENCE =

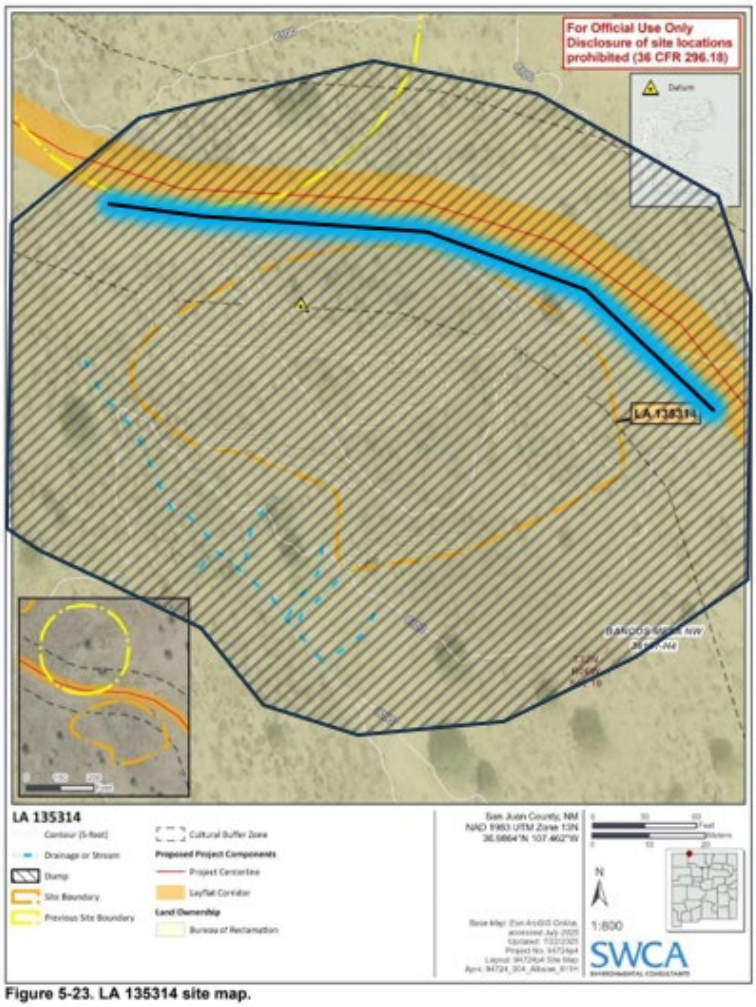


Figure 5-23. LA 135314 site map.

8

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)
CULTURAL RESOURCE STIPULATIONS
Farmington Field Office
BLM Report Number: 2026(I)004F

Project Name: Allison 611H Well Pad and Layflat Waterline Project.
Project Sponsor: Hilcorp Energy.

MONITOR ZONE = T POST and WIRE FENCE =

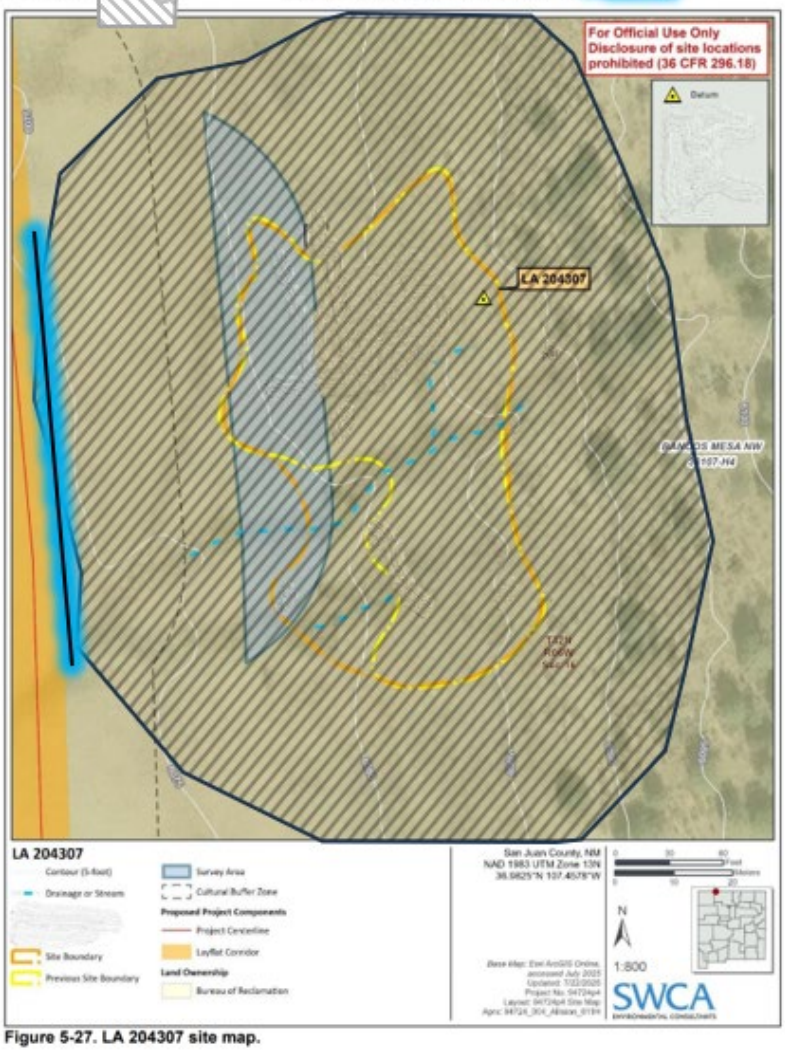


Figure 5-27. LA 204307 site map.

9

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington District Office
6251 College Blvd, Suite A
Farmington, New Mexico 87402

In Reply Refer To:
3162.3-1(NMF0110)

* HILCORP ENERGY COMPANY

#614H Allison Unit

Lease: I22IND2792 Agreement: TBD

SH: Lot 3 Section 12, T. 32N., R. 07W.
San Juan County, New Mexico
BH: NE¼SE¼ Section 23, T. 32N., R. 07W.
La Plata County, Colorado
***Above Data Required on Well Sign**

GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

The following special requirements apply and are effective when **checked**:

A. ☒ Note all surface/drilling conditions of approval attached.

B. ☒ The required wait on cement (WOC) time will be a minimum of 500 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated

C. ☒ Test all casing strings below the conductor casing to .22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield (burst) for a minimum of 30 minutes. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.

D. ☒ Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the Bureau of Land Management, New Mexico State Office, Reservoir Management Group, 301 Dinosaur Trail, Santa Fe, New Mexico 87508.
The effective date of the agreement must be **prior** to any sales.

E. ☐ The use of co-flex hose is authorized contingent upon the following:
1. From the BOP to the choke manifold: the co-flex hose must be hobbled on both ends and saddle to prevent whip.
2. From the choke manifold to the discharge tank: the co-flex hoses must be as straight as practical, hobbled on both ends and anchored to prevent whip.
3. The co-flex hose pressure rating must be at least commensurate with approved BOPE.

I. GENERAL

A. Full compliance with all applicable laws and regulations, with the approved Permit to drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors. Failure to comply with these requirements and the filing of required reports will result in strict enforcement pursuant to 43 CFR 3163.1 or 3163.2.

B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).

C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.

D. For Wildcat wells only, a drilling operations progress report is to be submitted, to the BLM-Field Office, weekly from the spud date until the well is completed and the Well Completion Report is filed. The report should be on 8-1/2 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.

E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).

F. BOP equipment (except the annular preventer) shall be tested utilizing a test plug to full working pressure for 10 minutes. No bleed-off of pressure is acceptable. (See 43 CFR 3172.6(b)(9)(ii)).

G. The operator shall have sufficient weighting materials and lost circulation materials on location in the event of a pressure kick or in the event of lost circulation. (See 43 CFR 3172.8(a)).

H. The flare line(s) discharge shall be located not less than 100 feet from the well head, having straight lines unless turns are targeted with running tees, and shall be positioned downwind of the prevailing wind direction and shall be anchored. The flare system shall have an effective method for ignition. Where noncombustible gas is likely or expected to be vented, the system shall be provided supplemental fuel for ignition and to maintain a continuous flare. (See 43 CFR 3172.8(b)(7)).

I. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a Notice of Intent sundry within three business days. **Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-564-7600. Emergency program changes after hours should be directed to Virgil Lucero at 505-793-1836.**

J. The Inspection and Enforcement Section (I&E), phone number (505-564-7750) is to be notified at least 24 hours in advance of BOP test, spudding, cementing, or plugging operations so that a BLM representative may witness the operations.

K. Unless drilling operations are commenced within four years according to 43 CFR 3171.14, approval of the Application for Permit to Drill will expire. No extensions will be granted.

L. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all times, unless the well is secured with blowout preventers or cement plugs.

M. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.

N. **Commingling**: No production (oil, gas, and water) from the subject well should start until Sundry Notices (if necessary) granting variances from applicable regulations as related to commingling and off-lease measurement are approved by this office. (See 43 CFR 3173.14)

II. REPORTING REQUIREMENTS

A. For reporting purposes, all well Sundry notices, well completion and other well actions shall be referenced by the appropriate lease, communitization agreement and/or unit agreement numbers.

B. The following reports shall be filed with the BLM-Authorized Officer online through AFMSS 2 within 30 days after the work is completed.

1. Provide complete information concerning.

a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.

b. Intervals tested, perforated (include size, number and location of perforations), acidized, or fractured; and results obtained. Provide date work was done on well completion report and completion sundry notice.

c. Subsequent Report of Abandonment, show the way the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.

2. Well Completion Report will be submitted with 30 days after well has been completed.

a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or; 2) calculated based on shut in surface pressures (minimum seven day buildup) and fluid level shot.

3. Submit a cement evaluation log if cement is not circulated to surface.

C. Production Startup Notification is required no later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site or resumes production in the case of a well which has been off production for more than 90 days. The operator shall notify the Authorized Officer by letter or Sundry Notice, Form 3160-5, or orally to be followed by a letter or Sundry Notice, of the date on which such production has begun or resumed. CFR 43 3162.4-1(c).

III. DRILLER'S LOG

The following shall be entered in the daily driller's log: 1) Blowout preventer pressures tests, including test pressures and results, 2) Blowout preventer tests for proper functioning, 3) Blowout prevention drills conducted, 4) Casing run, including size, grade, weight, and depth set, 5) How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc., 6) Waiting on cement time for each casing string, 7) Casing pressure tests after cementing, including test pressure and results, and 8) Estimated amounts of oil and gas recovered and/or produced during drill stem test.

IV. GAS FLARING

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of * Days, 20 MMCF following its (completion)(recompletion), or flowback has been routed to the production separator, whichever first occurs, without the prior, written approval of the authorized officer in accordance with 43 CFR 3179.81. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted. You shall be required to compensate the lessor for the portion of the gas vented or flared without approval which is determined to have been avoidably lost.

*30 days, unless a longer test period is specifically approved by the authorized officer. The 30-day period will commence upon the beginning of flowback following completion or recompletion.

V. SAFETY

A. All rig heating stoves are to be of the explosion-proof type.

B. Rig safety lines are to be installed.

C. Hard hats and other Personal Protective Equipment (PPE) must be utilized.

VI. CHANGE OF PLANS OR ABANDONMENT

A. Any changes of plans required to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.I.

B. If the well is dry, it is to be plugged in accordance with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.I. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.

C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

VII. PHONE NUMBERS

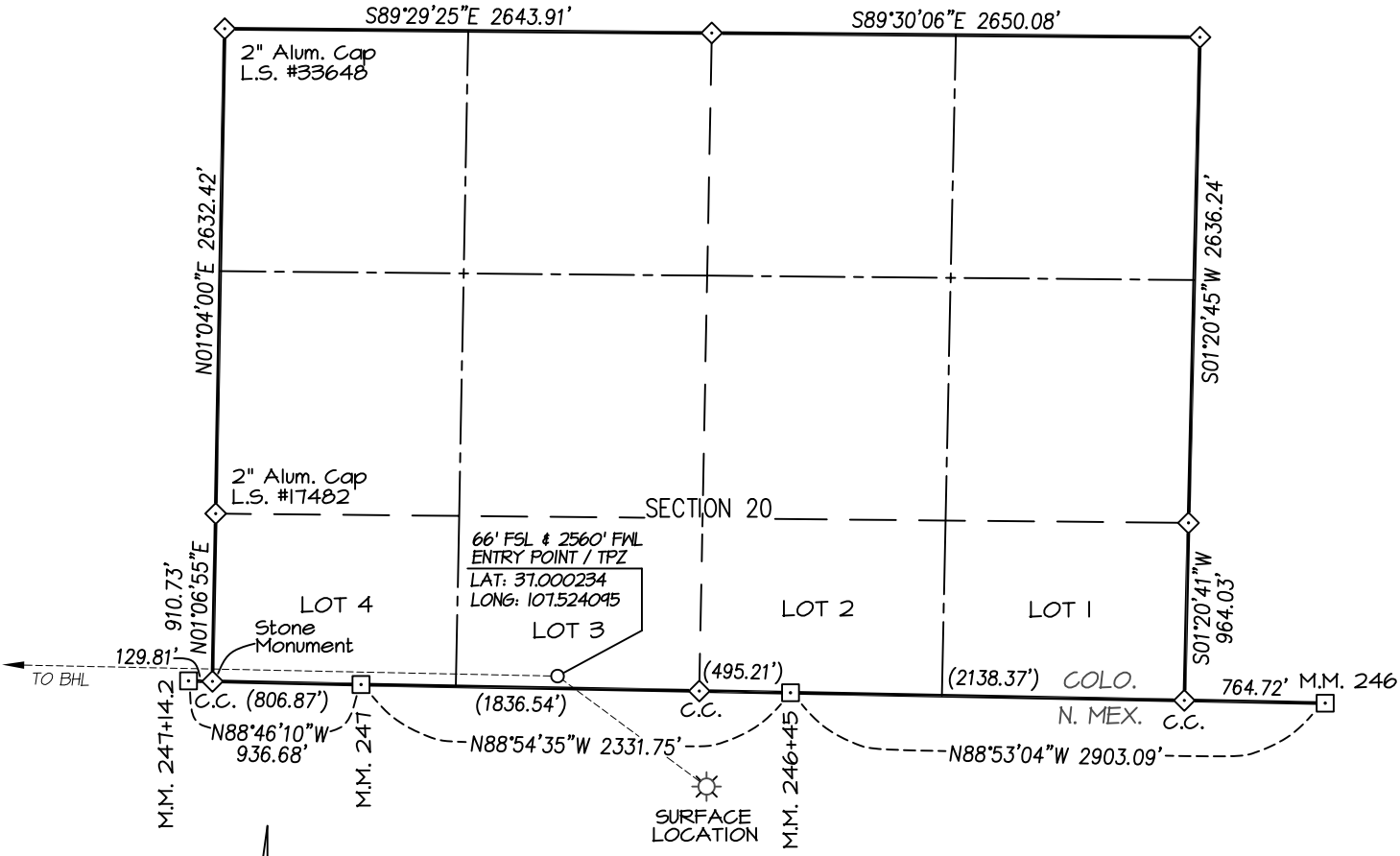
A. For BOPE tests, cementing, and plugging operations the phone number is 505-564-7750 and must be called 24 hours in advance in order that a BLM representative may witness the operations.

B. Emergency program changes after hours contact:

Virgil Lucero (505) 793-1836
Kenneth Rennick (505) 564-7742
Matthew Kade (505) 564-7736

HILCORP ENERGY COMPANY: ALLISON UNIT #614H

SURFACE LOCATION: 518' FNL & 1560' FWL
SECTION 12, T-32-N, R-7-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. ELEVATION: 6352'
BOTTOM HOLE LOCATION: 67' FSL, 798' FEL
SECTION 23, T-32-N, R-7-W, N.M.P.M., LA PLATA COUNTY, COLORADO.



⊡ denotes found 1925 Supreme Court Mile Marker Brass Tab

◇ denotes found 3-1/4" alum. cap L.S. #23894 unless otherwise noted.

GRAPHIC SCALE 1"=1000'

0 1000 2000

NOTE:

SEE SHEET 5 OF 5 FOR COORDINATE TABLE, SURVEY NOTES, AND SURVEYOR'S CERTIFICATE.

SHEET 1 OF 5

REVISED: 4/2/25
SURVEYED: 7/19/23
DRAWN: 10/19/23
JOB NO. HC004

DRAWN BY: K.R.
CHECKED BY: K.R.
FILE NO.: HC4WP1

PREPARED FOR:

HILCORP ENERGY COMPANY

NORTHSTAR
SURVEYING & MAPPING, INC.
768 County Rd. 308
DURANGO, CO. 81303
(970) 385-0851

HILCORP ENERGY COMPANY: ALLISON UNIT #614H

SURFACE LOCATION: 518' FNL & 1560' FWL
SECTION 12, T-32-N, R-7-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. ELEVATION: 6352'
BOTTOM HOLE LOCATION: 67' FSL, 798' FEL
SECTION 23, T-32-N, R-7-W, N.M.P.M., LA PLATA COUNTY, COLORADO.

⊡ denotes found 1925 Supreme Court Mile Marker Brass Tab

◇ denotes found 3-1/4" alum. cap L.S. #12027 unless otherwise noted.

N

GRAPHIC SCALE 1"=1000'

0 1000 2000

NOTE:

SEE SHEET 5 OF 5 FOR COORDINATE TABLE, SURVEY NOTES, AND SURVEYOR'S CERTIFICATE.

SHEET 2 OF 5

REVISED: 4/2/25
SURVEYED: 7/19/23
DRAWN: 10/19/23
JOB NO. HC004
DRAWN BY: K.R.
CHECKED BY: K.R.
FILE NO.: HC4WP2

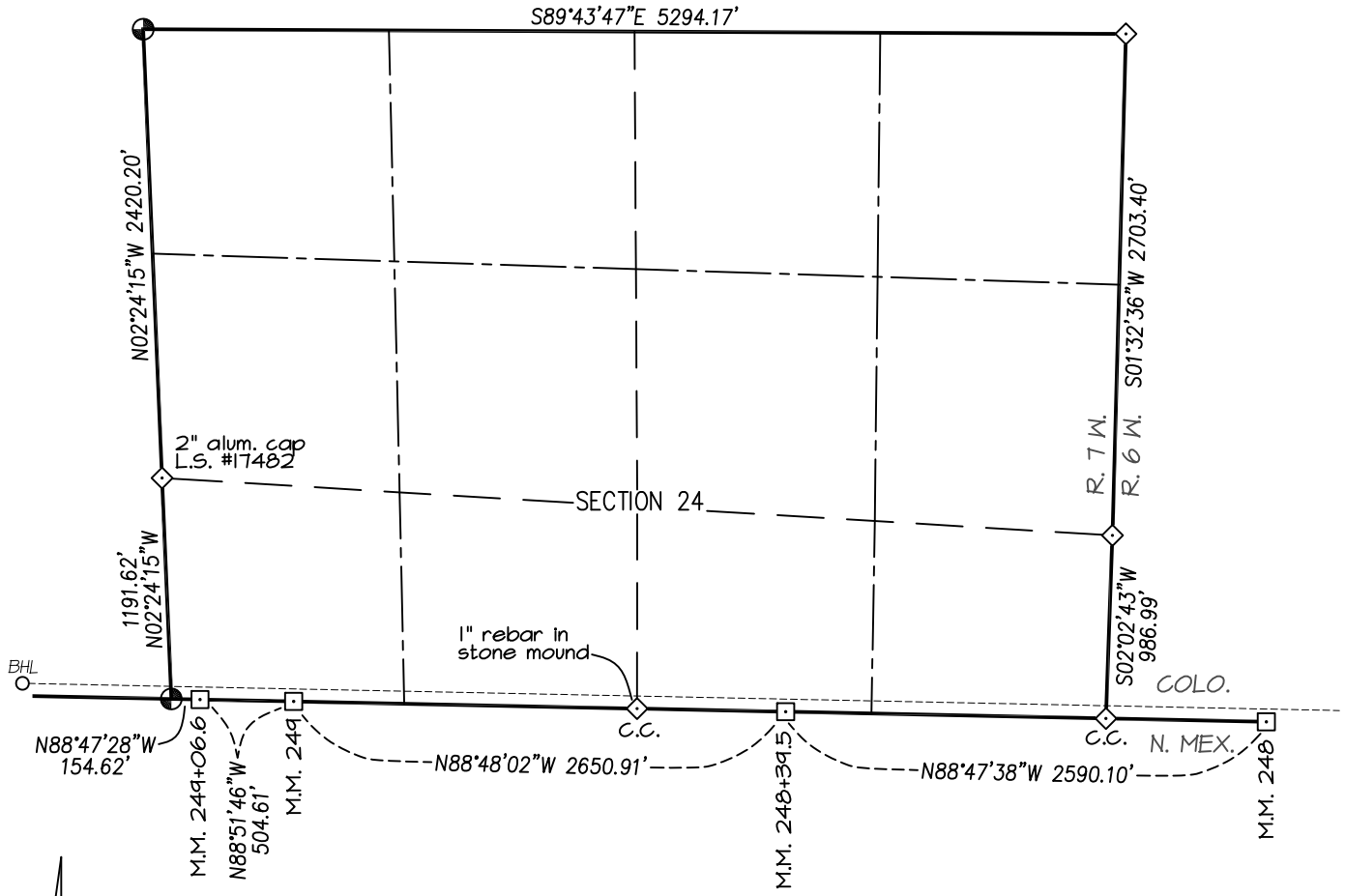
PREPARED FOR:
HILCORP ENERGY COMPANY

NORTHSTAR
SURVEYING & MAPPING, INC.
768 County Rd. 308
DURANGO, CO. 81303
(970) 385-0851

HILCORP ENERGY COMPANY: ALLISON UNIT #614H

SURFACE LOCATION: 518' FNL & 1560' FWL
SECTION 12, T-32-N, R-7-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. ELEVATION: 6352'

BOTTOM HOLE LOCATION: 67' FSL, 798' FEL
SECTION 12, T-32-N, R-7-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. ELEVATION: 6352'



◓ and ◒ denote found 3-1/4" S.U.I.R. Alum. Cap unless otherwise noted.

⊡ denotes found 1925 Supreme Court Mile Marker Brass Tab

◇ denotes found 3-1/4" alum. cap L.S. #12027 unless otherwise noted.

GRAPHIC SCALE 1"=1000'

0 1000 2000

NOTE:

SEE SHEET 5 OF 5 FOR COORDINATE TABLE, SURVEY NOTES, AND SURVEYOR'S CERTIFICATE.

SHEET 3 OF 5

REVISED: 4/2/25
SURVEYED: 7/19/23
DRAWN: 10/19/23
JOB NO. HC004

DRAWN BY: K.R.
CHECKED BY: K.R.
FILE NO.: HC4WP3

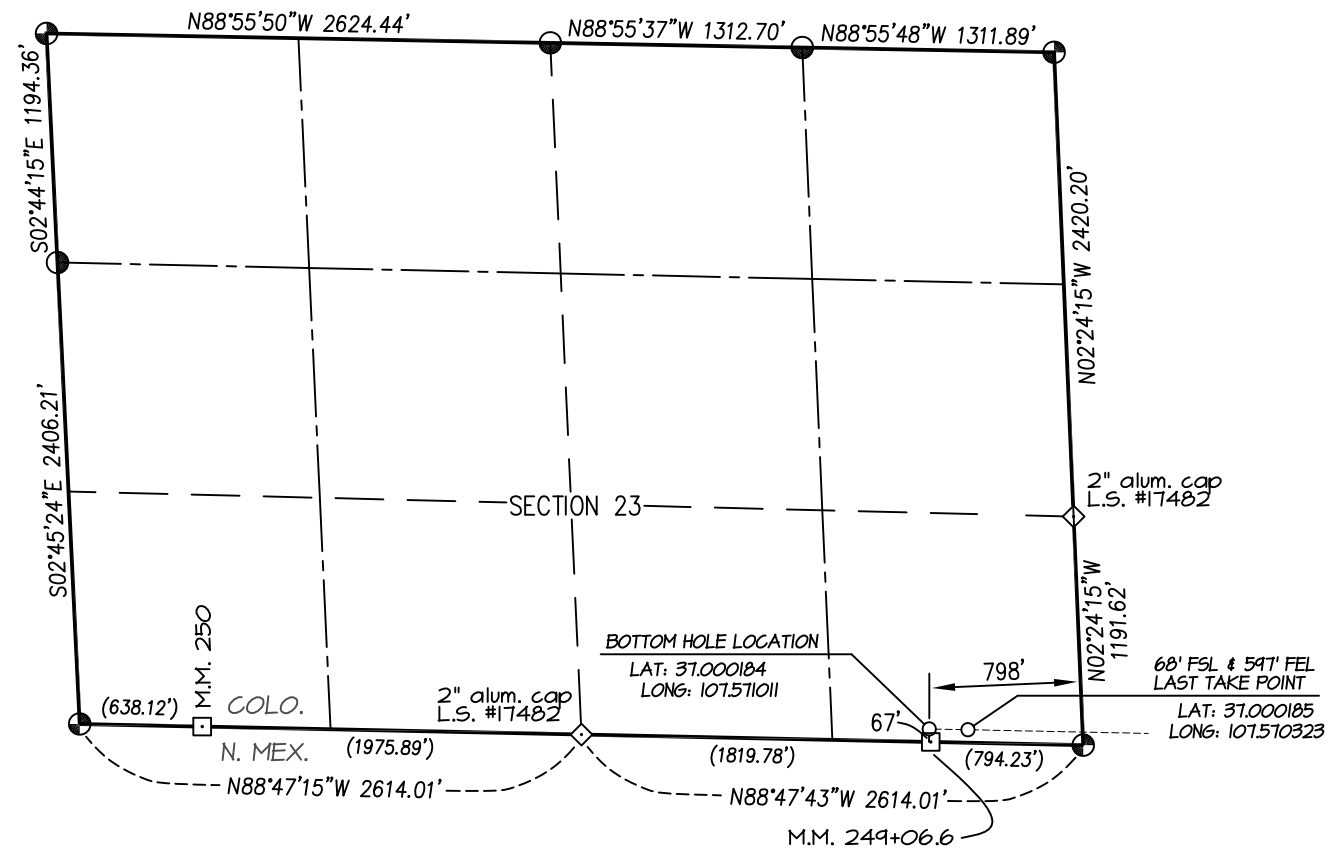
PREPARED FOR:

HILCORP ENERGY COMPANY

NORTHSTAR
SURVEYING & MAPPING, INC.
768 County Rd. 308
DURANGO, CO. 81303
(970) 385-0851

HILCORP ENERGY COMPANY: ALLISON UNIT #614H

SURFACE LOCATION: 518' FNL & 1560' FWL
SECTION 12, T-32-N, R-7-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. ELEVATION: 6352'
BOTTOM HOLE LOCATION: 67' FSL, 798' FEL
SECTION 23, T-32-N, R-7-W, N.M.P.M., LA PLATA COUNTY, COLORADO.



◓ and ◒ denote found 3-1/4" S.U.I.R. Alum. Cap unless otherwise noted.

⊡ denotes found 1925 Supreme Court Mile Marker Brass Tab

◇ denotes found 3-1/4" alum. cap L.S. #12027 unless otherwise noted.

GRAPHIC SCALE 1"=1000'

0 1000 2000

NOTE:

SEE SHEET 5 OF 5 FOR COORDINATE TABLE, SURVEY NOTES, AND SURVEYOR'S CERTIFICATE.

SHEET 4 OF 5

REVISED: 4/2/25
SURVEYED: 7/19/23
DRAWN: 10/19/23
JOB NO. HC004
DRAWN BY: K.R.
CHECKED BY: K.R.
FILE NO.: HC4WP4

PREPARED FOR:

HILCORP ENERGY COMPANY

NORTHSTAR
SURVEYING & MAPPING, INC.
768 County Rd. 308
DURANGO, CO. 81303
(970) 385-0851

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
30-045-38508	97232	BASIN MANCOS

Property Code	Property Name	Well Number
318864	ALLISON UNIT	614H

OGRID No.	Operator Name	Ground Level Elevation
372171	HILCORP ENERGY COMPANY	6352'

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

Surface Location

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
F	12	32N	7W	3	518' NORTH	1560' WEST	36.998637 °N	-107.521281 °W	SAN JUAN (NM)

Bottom Hole Location

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
I	23	32N	7W		67' SOUTH	798' EAST	37.000184 °N	-107.571011 °W	LA PLATA (CO)

Penetrated Spacing Unit:

Dedicated Acres		Infill or Defining Well	Defining Well API	Overlapping Spacing Unit	Consolidation Code
1494.60	Entire Section 19 & 20, T32N, R6W Entire Section 24, T32N, R7W E/2 E/2 Section 23, T32N, R7W	Defining		☐ Yes ☒ No	Unit

Order Numbers

Well setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
F	12	32N	7W	3	518' NORTH	1560' WEST	36.998637 °N	-107.521281 °W	SAN JUAN (NM)

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
K	20	32N	6W	3	66' SOUTH	2560' WEST	37.000234 °N	-107.524095 °W	LA PLATA (CO)

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
I	23	32N	7W		68' SOUTH	597' EAST	37.000185 °N	-107.570323 °W	LA PLATA (CO)

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

OPERATOR CERTIFICATION

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.

Signature

4/10/2025
Date

Amanda Walker
Printed Name

mwalker@hilcorp.com
E-mail Address

SURVEYOR CERTIFICATION

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

JASON C. EDWARDS
NEW MEXICO
15269
4/7/2025
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
15269	MAY 14, 2024

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

HILCORP ENERGY COMPANY ALLISON UNIT #614H
518' FNL & 1560' FWL, SECTION 12, T32N, R7W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6352'
LAT 36.998637°N LONG –107.521281°W DATUM: NAD1983

3647.5' TOTAL LENGTH OF ACCESS
31.6' SAN JUAN COUNTY (CR #4020)
3570.6' SEAN & DAWNETTE WASHBURN
45.3' BRYCE SEAN WASHBURN

GRAPHIC SCALE 1"=100' 0 100 200

~ FEE SURFACE OWNERS ~
Bryce Sean Washburn & Sean and Dawnette Washburn

Sean & Dawnette Washburn 0.41 Acres

Area of Total Disturbance 10.30 Acres

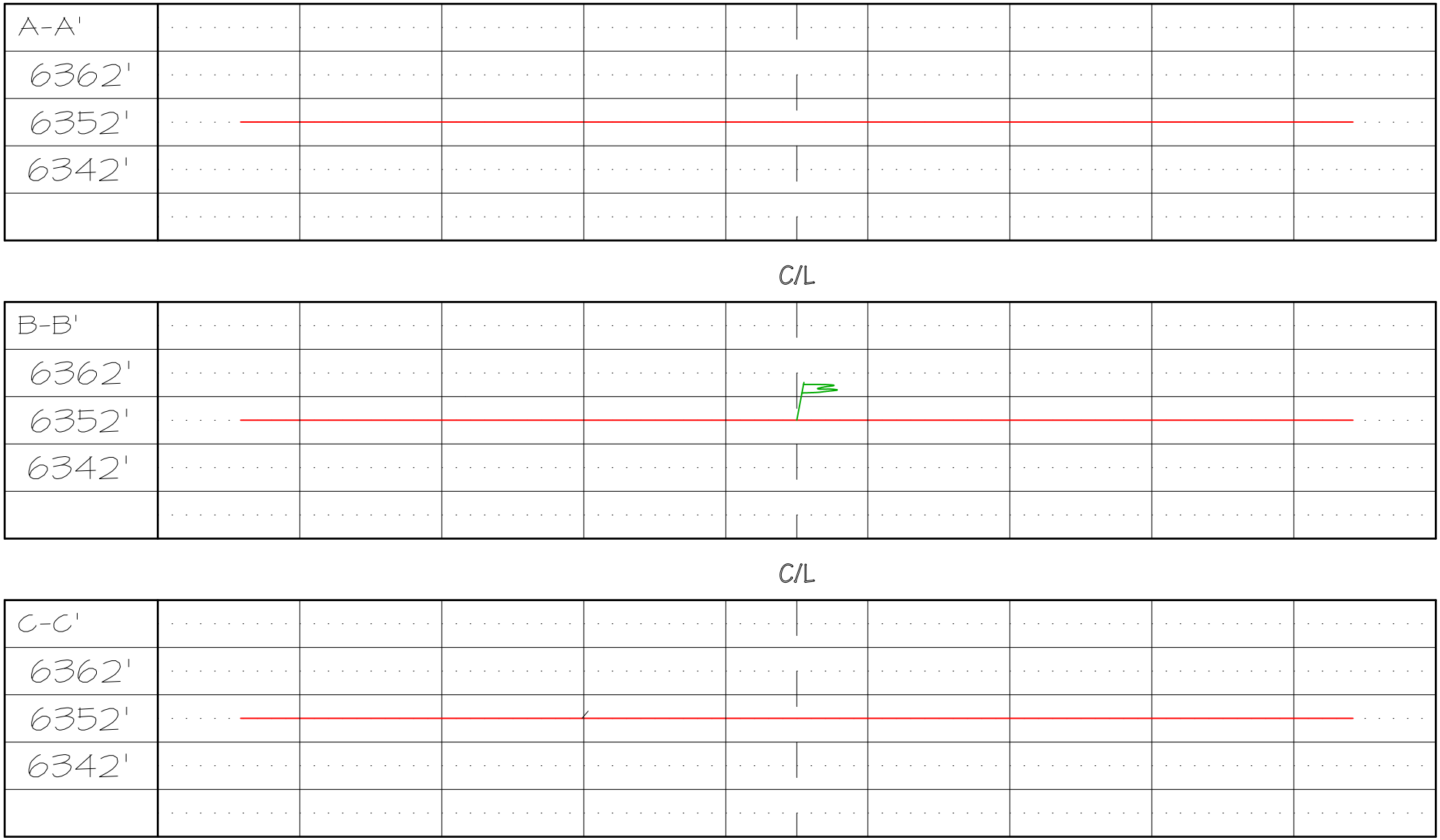
Bryce Sean Washburn 9.89 Acres

POND
IRRIGATION DITCH
IRRIGATION DITCH
FENCE-LINE
EXISTING ROADWAY
HILCORP WATERLINE
~ FENCE-LINE ~ OWNERSHIP CHANGE ~
700'
TOTAL ACCESS 3647.5' (0-6%)
EXISTING ROADWAY
HILCORP WATERLINE
HARVEST PIPELINE
EXISTING 24" CULVERT
EXISTING 24" CULVERT
METER RUNS
SOLAR PANEL
SEPARATORS
FENCE AROUND EXISTING WELLPAD
HILCORP ALLISON #13N WELLHEAD
78'
49'
100'
15'
HILCORP ALLISON #13P WELLHEAD
PIT
TANK
TANK
SOLAR PANEL
CATHODIC GROUNDBED
FENCE AROUND EXISTING WELLPAD
Wellhead to back 403'
A01 A02 A03 614H A05 A06 A07 A08
S02°W 157' LAYDOWN Wellhead to front
235'
235'
235'
235'
235'
185'
489'
69'
97'
40'
350'
300'
~ SECTION LINE ~ COLORADO / NEW MEXICO STATE-LINE ~ SECTION LINE ~
~ 1/16th SECTION LINE ~ OWNERSHIP CHANGE ~ FENCE-LINE ~ 1/16th SECTION LINE ~

Steel T-Posts have been set to define Edge of Disturbance which is 50' wide, unless otherwise noted.

HILCORP ENERGY COMPANY ALLISON UNIT #614H
518' FNL & 1560' FWL, SECTION 12, T32N, R7W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6352'

HORIZONTAL SCALE 1"=60' VERTICAL SCALE 1"=30'

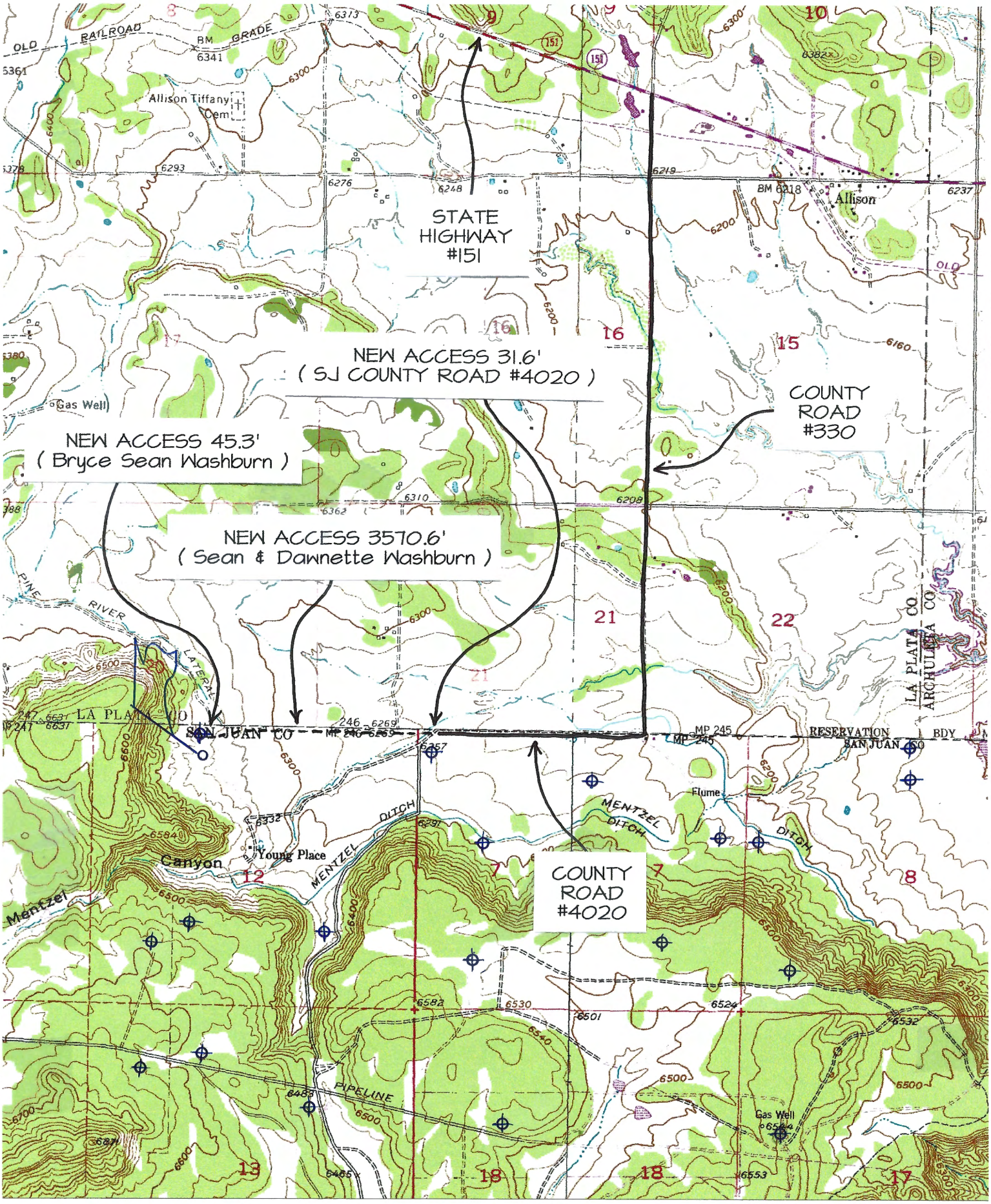


EDWARDS SURVEYING, INC. IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

HILCORP ENERGY COMPANY ALLISON UNIT #614H

518' FSL & 1560' FWL, SECTION 12, T32N, R7W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



TOPO NAME : BURNT MESA ⊕ PRODUCING WELL ⊗ PLUGGED & ABANDONED WELL

Directions from Intersection of State Hwy 172 & State Hwy 151 in Ignacio, CO

to Hilcorp Energy Company Allison Unit #614H

518' FNL & 1560' FWL, Section 12, T32N, R7W, N.M.P.M., San Juan County, NM

Latitude 36.998637°N Longitude -107.521281°W Datum: NAD1983

From the intersection of State Hwy 172 & State Hwy 151 in Ignacio, CO, travel Easterly on State Hwy 151 for 12.0 miles to County Road #330:

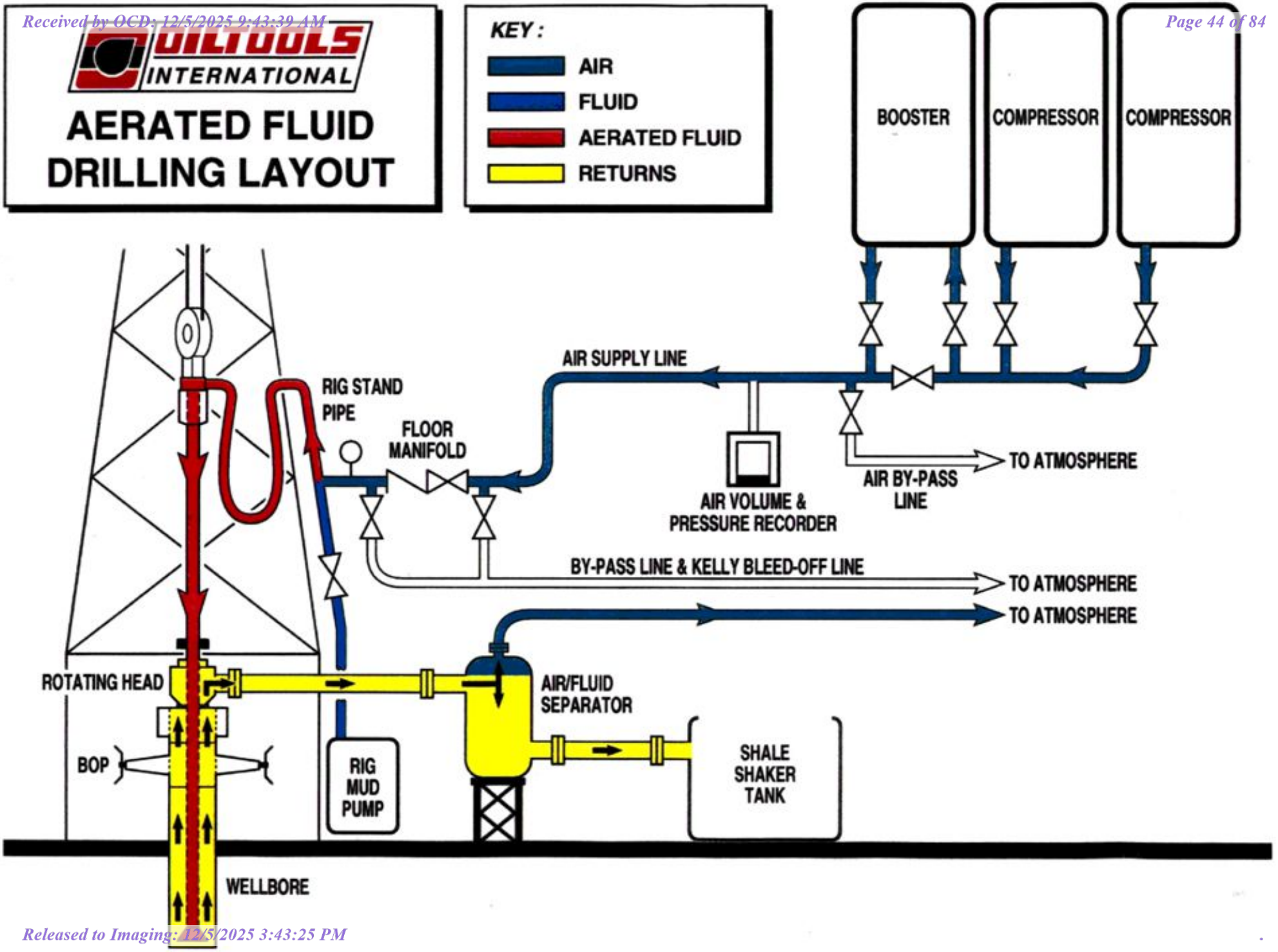
Go Right (Southerly) on County Road #330 for 1.9 miles to County Road #4020;

Go Right (Westerly) on County Road #4020 for 0.6 miles to new access on right-hand side which continues for 3647.5' to Hilcorp Allison Unit #614H existing wellpad.

OILTOOLS INTERNATIONAL

AERATED FLUID DRILLING LAYOUT

KEY :
- AIR
- FLUID
- AERATED FLUID
- RETURNS



Hilcorp Energy Company

Allison Unit 614H
OH
Plan #2

GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)

Northing	Easting	Latitude	Longitude
2182921.55	591303.05	36.998632	-107.520674

PROJECT DETAILS: San Juan, NM NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
03 System Datum: Mean Sea Level

LONESTAR CONSULTING

Plan: Plan #2 (Allison Unit 614H/OH)

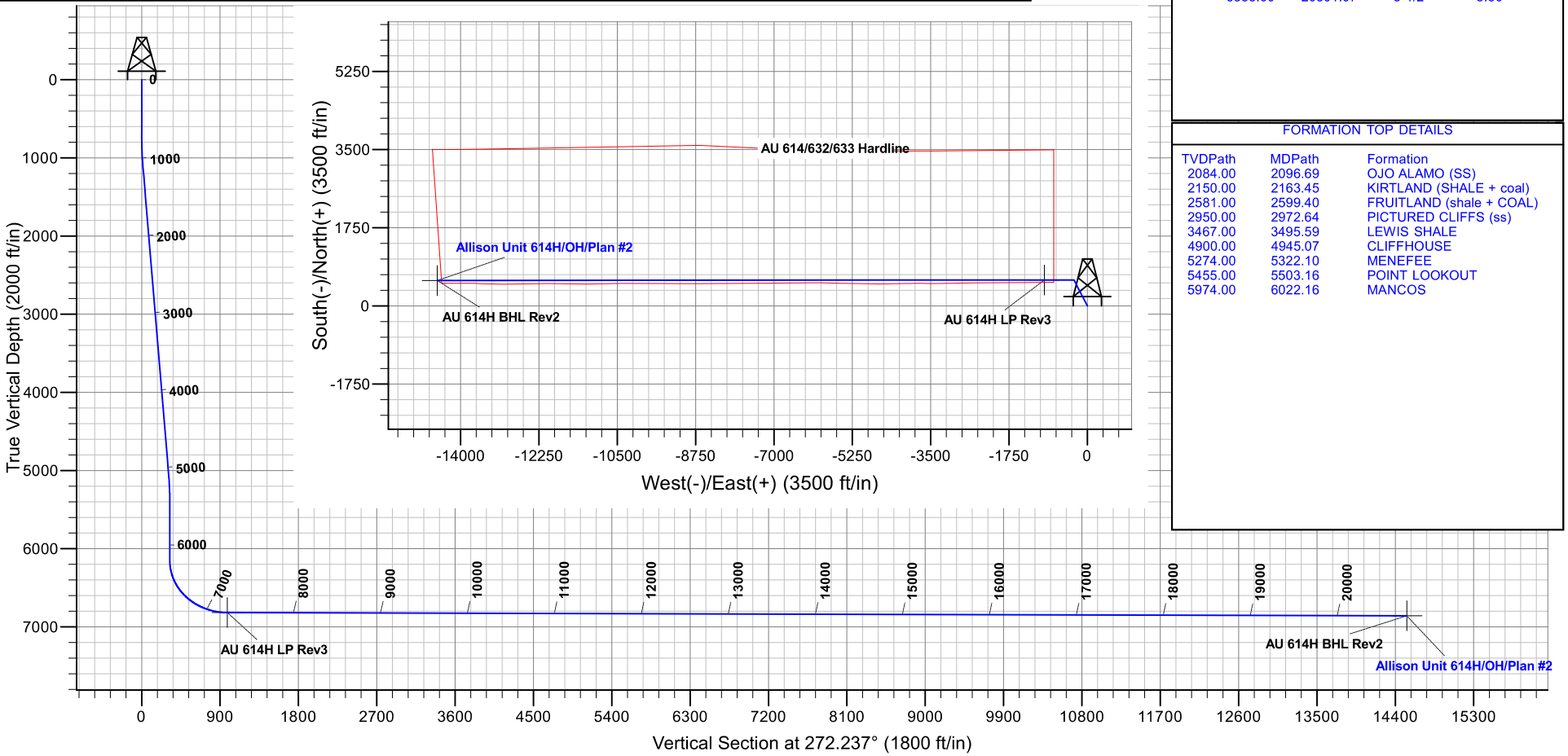
Created By: Janie Collins Date: 17:41, March 27 2025

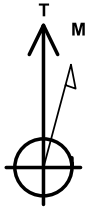
PLAN DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect	Annotation
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	
750.00	0.00	0.000	750.00	0.00	0.00	0.00	0.00	Start Build 2.50
1095.89	8.65	332.716	1094.58	23.15	-11.94	2.50	12.84	Start 4006.39 hold at 1095.89 MD
5102.28	8.65	332.716	5055.42	558.50	-288.06	0.00	309.64	Start Drop -2.50
5448.16	0.00	0.000	5400.00	581.65	-300.00	2.50	322.47	Start 752.80 hold at 5448.16 MD
6200.96	0.00	0.000	6152.80	581.65	-300.00	0.00	322.47	Start DLS 8.64 TFO 270.00
7240.65	89.82	270.000	6816.00	581.65	-961.13	8.64	983.10	Start DLS 0.00 TFO -88.77
20801.07	89.82	269.878	6858.00	567.24	-14521.48	0.00	14532.55	TD at 20801.07

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
AU 614H LP Rev3	6816.00	581.65	-961.13	2183500.04	590340.01	37.000230	-107.523965
AU 614H BHL Rev2	6858.00	567.24	-14521.48	2183441.10	576779.82	37.000180	-107.570402





Azimuths to True North
Magnetic North: 8.58°

Magnetic Field
Strength: 49353.9nT
Dip Angle: 63.33°
Date: 5/30/2024
Model: HDGM2024

CASING DETAILS

TVD	MD	Name	Size
700.00	700.00	13 3/8"	13.37
6200.00	6248.20	9 5/8"	9.62
6858.00	20801.07	5 1/2"	5.50

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2084.00	2096.69	OJO ALAMO (SS)
2150.00	2163.45	KIRTLAND (SHALE + coal)
2581.00	2599.40	FRUITLAND (shale + COAL)
2950.00	2972.64	PICTURED CLIFFS (ss)
3467.00	3495.59	LEWIS SHALE
4900.00	4945.07	CLIFFHOUSE
5274.00	5322.10	MENEFEE
5455.00	5503.16	POINT LOOKOUT
5974.00	6022.16	MANCOS

Hilcorp Energy - San Juan Basin

San Juan, NM NAD27
Allison Unit 611H Pad
Allison Unit 614H - Slot 03

OH

Plan: Plan #2

Standard Planning Report

27 March, 2025

Hilcorp Energy Company

Lonestar Consulting, LLC

Planning Report

LONESTAR CONSULTING

Database:	edm	**Local Co-ordinate Reference:**	Well Allison Unit 614H - Slot 03
Company:	Hilcorp Energy - San Juan Basin	**TVD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Project:	San Juan, NM NAD27	**MD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Site:	Allison Unit 611H Pad	**North Reference:**	True
Well:	Allison Unit 614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Project San Juan, NM NAD27

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site Allison Unit 611H Pad

Site Position:		**Northing:**	2,182,981.63 usft	**Latitude:**	36.998797
From:	Lat/Long	**Easting:**	591,305.19 usft	**Longitude:**	-107.520666
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.20 in		

Well Allison Unit 614H - Slot 03

Well Position	**+N/-S**	0.00 ft	**Northing:**	2,182,921.55 usft	**Latitude:**	36.998632
	+E/-W	0.00 ft	**Easting:**	591,303.05 usft	**Longitude:**	-107.520674
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,350.00 ft
Grid Convergence:		0.19 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2024	5/30/2024	8.58	63.33	49,353.90000000

Design Plan #2

Audit Notes:

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

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	272.237

Plan Survey Tool Program **Date** 3/26/2025

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	20,801.07	Plan #2 (OH)	MWD+HDGM	
				OWSG MWD + HDGM	

Hilcorp Energy Company

Lonestar Consulting, LLC

Planning Report

LONESTAR CONSULTING

Database:	edm	**Local Co-ordinate Reference:**	Well Allison Unit 614H - Slot 03
Company:	Hilcorp Energy - San Juan Basin	**TVD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Project:	San Juan, NM NAD27	**MD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Site:	Allison Unit 611H Pad	**North Reference:**	True
Well:	Allison Unit 614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
750.00	0.00	0.000	750.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,095.89	8.65	332.716	1,094.58	23.15	-11.94	2.50	2.50	0.00	332.72	
5,102.28	8.65	332.716	5,055.43	558.50	-288.06	0.00	0.00	0.00	0.00	
5,448.16	0.00	0.000	5,400.00	581.65	-300.00	2.50	-2.50	0.00	180.00	
6,200.96	0.00	0.000	6,152.80	581.65	-300.00	0.00	0.00	0.00	0.00	
7,240.65	89.82	270.000	6,816.00	581.65	-961.13	8.64	8.64	-8.66	270.00	AU 614H LP Rev3
20,801.07	89.82	269.878	6,858.00	567.24	-14,521.48	0.00	0.00	0.00	-88.77	AU 614H BHL Rev2

Lonestar Consulting, LLC

Planning Report

Database:	edm	**Local Co-ordinate Reference:**	Well Allison Unit 614H - Slot 03
Company:	Hilcorp Energy - San Juan Basin	**TVD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Project:	San Juan, NM NAD27	**MD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Site:	Allison Unit 611H Pad	**North Reference:**	True
Well:	Allison Unit 614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00
750.00	0.00	0.000	750.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	1.25	332.716	800.00	0.48	-0.25	0.27	2.50	2.50	0.00
900.00	3.75	332.716	899.89	4.36	-2.25	2.42	2.50	2.50	0.00
1,000.00	6.25	332.716	999.50	12.11	-6.24	6.71	2.50	2.50	0.00
1,095.89	8.65	332.716	1,094.58	23.15	-11.94	12.84	2.50	2.50	0.00
1,100.00	8.65	332.716	1,098.64	23.70	-12.23	13.14	0.00	0.00	0.00
1,200.00	8.65	332.716	1,197.51	37.06	-19.12	20.55	0.00	0.00	0.00
1,300.00	8.65	332.716	1,296.37	50.43	-26.01	27.96	0.00	0.00	0.00
1,400.00	8.65	332.716	1,395.23	63.79	-32.90	35.37	0.00	0.00	0.00
1,500.00	8.65	332.716	1,494.09	77.15	-39.79	42.77	0.00	0.00	0.00
1,600.00	8.65	332.716	1,592.96	90.51	-46.68	50.18	0.00	0.00	0.00
1,700.00	8.65	332.716	1,691.82	103.88	-53.58	57.59	0.00	0.00	0.00
1,800.00	8.65	332.716	1,790.68	117.24	-60.47	65.00	0.00	0.00	0.00
1,900.00	8.65	332.716	1,889.55	130.60	-67.36	72.41	0.00	0.00	0.00
2,000.00	8.65	332.716	1,988.41	143.96	-74.25	79.81	0.00	0.00	0.00
2,100.00	8.65	332.716	2,087.27	157.33	-81.14	87.22	0.00	0.00	0.00
2,200.00	8.65	332.716	2,186.14	170.69	-88.04	94.63	0.00	0.00	0.00
2,300.00	8.65	332.716	2,285.00	184.05	-94.93	102.04	0.00	0.00	0.00
2,400.00	8.65	332.716	2,383.86	197.41	-101.82	109.45	0.00	0.00	0.00
2,500.00	8.65	332.716	2,482.73	210.77	-108.71	116.86	0.00	0.00	0.00
2,600.00	8.65	332.716	2,581.59	224.14	-115.60	124.26	0.00	0.00	0.00
2,700.00	8.65	332.716	2,680.45	237.50	-122.50	131.67	0.00	0.00	0.00
2,800.00	8.65	332.716	2,779.32	250.86	-129.39	139.08	0.00	0.00	0.00
2,900.00	8.65	332.716	2,878.18	264.22	-136.28	146.49	0.00	0.00	0.00
3,000.00	8.65	332.716	2,977.04	277.59	-143.17	153.90	0.00	0.00	0.00
3,100.00	8.65	332.716	3,075.91	290.95	-150.06	161.30	0.00	0.00	0.00
3,200.00	8.65	332.716	3,174.77	304.31	-156.96	168.71	0.00	0.00	0.00
3,300.00	8.65	332.716	3,273.63	317.67	-163.85	176.12	0.00	0.00	0.00
3,400.00	8.65	332.716	3,372.50	331.03	-170.74	183.53	0.00	0.00	0.00
3,500.00	8.65	332.716	3,471.36	344.40	-177.63	190.94	0.00	0.00	0.00
3,600.00	8.65	332.716	3,570.22	357.76	-184.52	198.35	0.00	0.00	0.00
3,700.00	8.65	332.716	3,669.09	371.12	-191.41	205.75	0.00	0.00	0.00
3,800.00	8.65	332.716	3,767.95	384.48	-198.31	213.16	0.00	0.00	0.00
3,900.00	8.65	332.716	3,866.81	397.85	-205.20	220.57	0.00	0.00	0.00
4,000.00	8.65	332.716	3,965.68	411.21	-212.09	227.98	0.00	0.00	0.00
4,100.00	8.65	332.716	4,064.54	424.57	-218.98	235.39	0.00	0.00	0.00
4,200.00	8.65	332.716	4,163.40	437.93	-225.87	242.79	0.00	0.00	0.00
4,300.00	8.65	332.716	4,262.27	451.29	-232.77	250.20	0.00	0.00	0.00
4,400.00	8.65	332.716	4,361.13	464.66	-239.66	257.61	0.00	0.00	0.00
4,500.00	8.65	332.716	4,459.99	478.02	-246.55	265.02	0.00	0.00	0.00
4,600.00	8.65	332.716	4,558.86	491.38	-253.44	272.43	0.00	0.00	0.00
4,700.00	8.65	332.716	4,657.72	504.74	-260.33	279.84	0.00	0.00	0.00
4,800.00	8.65	332.716	4,756.58	518.11	-267.23	287.24	0.00	0.00	0.00
4,900.00	8.65	332.716	4,855.45	531.47	-274.12	294.65	0.00	0.00	0.00

Lonestar Consulting, LLC

Planning Report

Database:	edm	**Local Co-ordinate Reference:**	Well Allison Unit 614H - Slot 03
Company:	Hilcorp Energy - San Juan Basin	**TVD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Project:	San Juan, NM NAD27	**MD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Site:	Allison Unit 611H Pad	**North Reference:**	True
Well:	Allison Unit 614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.00	8.65	332.716	4,954.31	544.83	-281.01	302.06	0.00	0.00	0.00
5,100.00	8.65	332.716	5,053.17	558.19	-287.90	309.47	0.00	0.00	0.00
5,102.28	8.65	332.716	5,055.43	558.50	-288.06	309.64	0.00	0.00	0.00
5,200.00	6.20	332.716	5,152.32	569.72	-293.85	315.86	2.50	-2.50	0.00
5,300.00	3.70	332.716	5,251.94	577.40	-297.81	320.11	2.50	-2.50	0.00
5,400.00	1.20	332.716	5,351.84	581.20	-299.77	322.22	2.50	-2.50	0.00
5,448.16	0.00	0.000	5,400.00	581.65	-300.00	322.47	2.50	-2.50	0.00
5,500.00	0.00	0.000	5,451.84	581.65	-300.00	322.47	0.00	0.00	0.00
5,600.00	0.00	0.000	5,551.84	581.65	-300.00	322.47	0.00	0.00	0.00
5,700.00	0.00	0.000	5,651.84	581.65	-300.00	322.47	0.00	0.00	0.00
5,800.00	0.00	0.000	5,751.84	581.65	-300.00	322.47	0.00	0.00	0.00
5,900.00	0.00	0.000	5,851.84	581.65	-300.00	322.47	0.00	0.00	0.00
6,000.00	0.00	0.000	5,951.84	581.65	-300.00	322.47	0.00	0.00	0.00
6,100.00	0.00	0.000	6,051.84	581.65	-300.00	322.47	0.00	0.00	0.00
6,200.00	0.00	0.000	6,151.84	581.65	-300.00	322.47	0.00	0.00	0.00
6,200.96	0.00	0.000	6,152.80	581.65	-300.00	322.47	0.00	0.00	0.00
6,300.00	8.56	270.000	6,251.47	581.65	-307.38	329.85	8.64	8.64	0.00
6,400.00	17.20	270.000	6,348.86	581.65	-329.64	352.09	8.64	8.64	0.00
6,500.00	25.83	270.000	6,441.81	581.65	-366.28	388.71	8.64	8.64	0.00
6,600.00	34.47	270.000	6,528.19	581.65	-416.47	438.85	8.64	8.64	0.00
6,700.00	43.11	270.000	6,606.06	581.65	-479.06	501.40	8.64	8.64	0.00
6,800.00	51.75	270.000	6,673.64	581.65	-552.64	574.92	8.64	8.64	0.00
6,900.00	60.39	270.000	6,729.40	581.65	-635.53	657.75	8.64	8.64	0.00
7,000.00	69.03	270.000	6,772.08	581.65	-725.86	748.01	8.64	8.64	0.00
7,100.00	77.67	270.000	6,800.71	581.65	-821.58	843.66	8.64	8.64	0.00
7,200.00	86.31	270.000	6,814.63	581.65	-920.51	942.51	8.64	8.64	0.00
7,240.65	89.82	270.000	6,816.00	581.65	-961.13	983.10	8.64	8.64	0.00
7,300.00	89.82	269.999	6,816.19	581.65	-1,020.48	1,042.41	0.00	0.00	0.00
7,400.00	89.82	269.999	6,816.50	581.65	-1,120.48	1,142.33	0.00	0.00	0.00
7,500.00	89.82	269.998	6,816.81	581.64	-1,220.48	1,242.25	0.00	0.00	0.00
7,600.00	89.82	269.997	6,817.12	581.64	-1,320.48	1,342.18	0.00	0.00	0.00
7,700.00	89.82	269.996	6,817.43	581.63	-1,420.48	1,442.10	0.00	0.00	0.00
7,800.00	89.82	269.995	6,817.74	581.63	-1,520.48	1,542.02	0.00	0.00	0.00
7,900.00	89.82	269.994	6,818.06	581.62	-1,620.48	1,641.94	0.00	0.00	0.00
8,000.00	89.82	269.993	6,818.37	581.60	-1,720.48	1,741.87	0.00	0.00	0.00
8,100.00	89.82	269.992	6,818.68	581.59	-1,820.48	1,841.79	0.00	0.00	0.00
8,200.00	89.82	269.991	6,818.99	581.58	-1,920.48	1,941.71	0.00	0.00	0.00
8,300.00	89.82	269.990	6,819.30	581.56	-2,020.48	2,041.64	0.00	0.00	0.00
8,400.00	89.82	269.990	6,819.62	581.54	-2,120.48	2,141.56	0.00	0.00	0.00
8,500.00	89.82	269.989	6,819.93	581.53	-2,220.48	2,241.48	0.00	0.00	0.00
8,600.00	89.82	269.988	6,820.24	581.51	-2,320.48	2,341.40	0.00	0.00	0.00
8,700.00	89.82	269.987	6,820.55	581.48	-2,420.48	2,441.33	0.00	0.00	0.00
8,800.00	89.82	269.986	6,820.86	581.46	-2,520.47	2,541.25	0.00	0.00	0.00
8,900.00	89.82	269.985	6,821.17	581.43	-2,620.47	2,641.17	0.00	0.00	0.00
9,000.00	89.82	269.984	6,821.48	581.41	-2,720.47	2,741.09	0.00	0.00	0.00
9,100.00	89.82	269.983	6,821.80	581.38	-2,820.47	2,841.02	0.00	0.00	0.00
9,200.00	89.82	269.982	6,822.11	581.35	-2,920.47	2,940.94	0.00	0.00	0.00
9,300.00	89.82	269.981	6,822.42	581.32	-3,020.47	3,040.86	0.00	0.00	0.00
9,400.00	89.82	269.981	6,822.73	581.28	-3,120.47	3,140.78	0.00	0.00	0.00
9,500.00	89.82	269.980	6,823.04	581.25	-3,220.47	3,240.70	0.00	0.00	0.00
9,600.00	89.82	269.979	6,823.35	581.21	-3,320.47	3,340.63	0.00	0.00	0.00
9,700.00	89.82	269.978	6,823.66	581.18	-3,420.47	3,440.55	0.00	0.00	0.00

Lonestar Consulting, LLC

Planning Report

Database:	edm	**Local Co-ordinate Reference:**	Well Allison Unit 614H - Slot 03
Company:	Hilcorp Energy - San Juan Basin	**TVD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Project:	San Juan, NM NAD27	**MD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Site:	Allison Unit 611H Pad	**North Reference:**	True
Well:	Allison Unit 614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,800.00	89.82	269.977	6,823.97	581.14	-3,520.47	3,540.47	0.00	0.00	0.00
9,900.00	89.82	269.976	6,824.29	581.10	-3,620.47	3,640.39	0.00	0.00	0.00
10,000.00	89.82	269.975	6,824.60	581.05	-3,720.47	3,740.31	0.00	0.00	0.00
10,100.00	89.82	269.974	6,824.91	581.01	-3,820.47	3,840.23	0.00	0.00	0.00
10,200.00	89.82	269.973	6,825.22	580.96	-3,920.47	3,940.16	0.00	0.00	0.00
10,300.00	89.82	269.973	6,825.53	580.92	-4,020.47	4,040.08	0.00	0.00	0.00
10,400.00	89.82	269.972	6,825.84	580.87	-4,120.47	4,140.00	0.00	0.00	0.00
10,500.00	89.82	269.971	6,826.15	580.82	-4,220.47	4,239.92	0.00	0.00	0.00
10,600.00	89.82	269.970	6,826.46	580.77	-4,320.47	4,339.84	0.00	0.00	0.00
10,700.00	89.82	269.969	6,826.77	580.71	-4,420.47	4,439.76	0.00	0.00	0.00
10,800.00	89.82	269.968	6,827.08	580.66	-4,520.46	4,539.68	0.00	0.00	0.00
10,900.00	89.82	269.967	6,827.40	580.60	-4,620.46	4,639.60	0.00	0.00	0.00
11,000.00	89.82	269.966	6,827.71	580.54	-4,720.46	4,739.53	0.00	0.00	0.00
11,100.00	89.82	269.965	6,828.02	580.48	-4,820.46	4,839.45	0.00	0.00	0.00
11,200.00	89.82	269.964	6,828.33	580.42	-4,920.46	4,939.37	0.00	0.00	0.00
11,300.00	89.82	269.964	6,828.64	580.36	-5,020.46	5,039.29	0.00	0.00	0.00
11,400.00	89.82	269.963	6,828.95	580.29	-5,120.46	5,139.21	0.00	0.00	0.00
11,500.00	89.82	269.962	6,829.26	580.23	-5,220.46	5,239.13	0.00	0.00	0.00
11,600.00	89.82	269.961	6,829.57	580.16	-5,320.46	5,339.05	0.00	0.00	0.00
11,700.00	89.82	269.960	6,829.88	580.09	-5,420.46	5,438.97	0.00	0.00	0.00
11,800.00	89.82	269.959	6,830.19	580.02	-5,520.46	5,538.89	0.00	0.00	0.00
11,900.00	89.82	269.958	6,830.50	579.95	-5,620.46	5,638.81	0.00	0.00	0.00
12,000.00	89.82	269.957	6,830.81	579.87	-5,720.46	5,738.73	0.00	0.00	0.00
12,100.00	89.82	269.956	6,831.12	579.80	-5,820.46	5,838.65	0.00	0.00	0.00
12,200.00	89.82	269.955	6,831.43	579.72	-5,920.46	5,938.57	0.00	0.00	0.00
12,300.00	89.82	269.955	6,831.74	579.64	-6,020.46	6,038.49	0.00	0.00	0.00
12,400.00	89.82	269.954	6,832.05	579.56	-6,120.46	6,138.41	0.00	0.00	0.00
12,500.00	89.82	269.953	6,832.36	579.48	-6,220.46	6,238.33	0.00	0.00	0.00
12,600.00	89.82	269.952	6,832.67	579.40	-6,320.46	6,338.25	0.00	0.00	0.00
12,700.00	89.82	269.951	6,832.98	579.31	-6,420.46	6,438.17	0.00	0.00	0.00
12,800.00	89.82	269.950	6,833.29	579.23	-6,520.45	6,538.09	0.00	0.00	0.00
12,900.00	89.82	269.949	6,833.60	579.14	-6,620.45	6,638.01	0.00	0.00	0.00
13,000.00	89.82	269.948	6,833.91	579.05	-6,720.45	6,737.93	0.00	0.00	0.00
13,100.00	89.82	269.947	6,834.22	578.96	-6,820.45	6,837.85	0.00	0.00	0.00
13,200.00	89.82	269.946	6,834.53	578.87	-6,920.45	6,937.77	0.00	0.00	0.00
13,300.00	89.82	269.946	6,834.84	578.77	-7,020.45	7,037.69	0.00	0.00	0.00
13,400.00	89.82	269.945	6,835.15	578.68	-7,120.45	7,137.61	0.00	0.00	0.00
13,500.00	89.82	269.944	6,835.46	578.58	-7,220.45	7,237.53	0.00	0.00	0.00
13,600.00	89.82	269.943	6,835.77	578.48	-7,320.45	7,337.45	0.00	0.00	0.00
13,700.00	89.82	269.942	6,836.08	578.38	-7,420.45	7,437.37	0.00	0.00	0.00
13,800.00	89.82	269.941	6,836.39	578.28	-7,520.45	7,537.29	0.00	0.00	0.00
13,900.00	89.82	269.940	6,836.70	578.17	-7,620.45	7,637.21	0.00	0.00	0.00
14,000.00	89.82	269.939	6,837.01	578.07	-7,720.45	7,737.13	0.00	0.00	0.00
14,100.00	89.82	269.938	6,837.32	577.96	-7,820.45	7,837.05	0.00	0.00	0.00
14,200.00	89.82	269.937	6,837.63	577.85	-7,920.45	7,936.97	0.00	0.00	0.00
14,300.00	89.82	269.937	6,837.94	577.74	-8,020.45	8,036.88	0.00	0.00	0.00
14,400.00	89.82	269.936	6,838.25	577.63	-8,120.45	8,136.80	0.00	0.00	0.00
14,500.00	89.82	269.935	6,838.56	577.52	-8,220.45	8,236.72	0.00	0.00	0.00
14,600.00	89.82	269.934	6,838.87	577.41	-8,320.45	8,336.64	0.00	0.00	0.00
14,700.00	89.82	269.933	6,839.18	577.29	-8,420.44	8,436.56	0.00	0.00	0.00
14,800.00	89.82	269.932	6,839.49	577.17	-8,520.44	8,536.48	0.00	0.00	0.00
14,900.00	89.82	269.931	6,839.80	577.05	-8,620.44	8,636.40	0.00	0.00	0.00

Lonestar Consulting, LLC

Planning Report

Database:	edm	**Local Co-ordinate Reference:**	Well Allison Unit 614H - Slot 03
Company:	Hilcorp Energy - San Juan Basin	**TVD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Project:	San Juan, NM NAD27	**MD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Site:	Allison Unit 611H Pad	**North Reference:**	True
Well:	Allison Unit 614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,000.00	89.82	269.930	6,840.11	576.93	-8,720.44	8,736.32	0.00	0.00	0.00
15,100.00	89.82	269.929	6,840.42	576.81	-8,820.44	8,836.23	0.00	0.00	0.00
15,200.00	89.82	269.929	6,840.73	576.69	-8,920.44	8,936.15	0.00	0.00	0.00
15,300.00	89.82	269.928	6,841.04	576.56	-9,020.44	9,036.07	0.00	0.00	0.00
15,400.00	89.82	269.927	6,841.35	576.43	-9,120.44	9,135.99	0.00	0.00	0.00
15,500.00	89.82	269.926	6,841.66	576.30	-9,220.44	9,235.91	0.00	0.00	0.00
15,600.00	89.82	269.925	6,841.96	576.17	-9,320.44	9,335.83	0.00	0.00	0.00
15,700.00	89.82	269.924	6,842.27	576.04	-9,420.44	9,435.74	0.00	0.00	0.00
15,800.00	89.82	269.923	6,842.58	575.91	-9,520.44	9,535.66	0.00	0.00	0.00
15,900.00	89.82	269.922	6,842.89	575.77	-9,620.44	9,635.58	0.00	0.00	0.00
16,000.00	89.82	269.921	6,843.20	575.64	-9,720.44	9,735.50	0.00	0.00	0.00
16,100.00	89.82	269.920	6,843.51	575.50	-9,820.44	9,835.42	0.00	0.00	0.00
16,200.00	89.82	269.920	6,843.82	575.36	-9,920.44	9,935.33	0.00	0.00	0.00
16,300.00	89.82	269.919	6,844.13	575.22	-10,020.44	10,035.25	0.00	0.00	0.00
16,400.00	89.82	269.918	6,844.44	575.08	-10,120.44	10,135.17	0.00	0.00	0.00
16,500.00	89.82	269.917	6,844.75	574.93	-10,220.43	10,235.09	0.00	0.00	0.00
16,600.00	89.82	269.916	6,845.05	574.79	-10,320.43	10,335.00	0.00	0.00	0.00
16,700.00	89.82	269.915	6,845.36	574.64	-10,420.43	10,434.92	0.00	0.00	0.00
16,800.00	89.82	269.914	6,845.67	574.49	-10,520.43	10,534.84	0.00	0.00	0.00
16,900.00	89.82	269.913	6,845.98	574.34	-10,620.43	10,634.76	0.00	0.00	0.00
17,000.00	89.82	269.912	6,846.29	574.19	-10,720.43	10,734.67	0.00	0.00	0.00
17,100.00	89.82	269.911	6,846.60	574.03	-10,820.43	10,834.59	0.00	0.00	0.00
17,200.00	89.82	269.911	6,846.91	573.88	-10,920.43	10,934.51	0.00	0.00	0.00
17,300.00	89.82	269.910	6,847.22	573.72	-11,020.43	11,034.43	0.00	0.00	0.00
17,400.00	89.82	269.909	6,847.52	573.56	-11,120.43	11,134.34	0.00	0.00	0.00
17,500.00	89.82	269.908	6,847.83	573.40	-11,220.43	11,234.26	0.00	0.00	0.00
17,600.00	89.82	269.907	6,848.14	573.24	-11,320.43	11,334.18	0.00	0.00	0.00
17,700.00	89.82	269.906	6,848.45	573.08	-11,420.43	11,434.09	0.00	0.00	0.00
17,800.00	89.82	269.905	6,848.76	572.91	-11,520.43	11,534.01	0.00	0.00	0.00
17,900.00	89.82	269.904	6,849.07	572.75	-11,620.43	11,633.93	0.00	0.00	0.00
18,000.00	89.82	269.903	6,849.38	572.58	-11,720.43	11,733.84	0.00	0.00	0.00
18,100.00	89.82	269.902	6,849.68	572.41	-11,820.43	11,833.76	0.00	0.00	0.00
18,200.00	89.82	269.902	6,849.99	572.24	-11,920.42	11,933.68	0.00	0.00	0.00
18,300.00	89.82	269.901	6,850.30	572.07	-12,020.42	12,033.59	0.00	0.00	0.00
18,400.00	89.82	269.900	6,850.61	571.89	-12,120.42	12,133.51	0.00	0.00	0.00
18,500.00	89.82	269.899	6,850.92	571.72	-12,220.42	12,233.43	0.00	0.00	0.00
18,600.00	89.82	269.898	6,851.23	571.54	-12,320.42	12,333.34	0.00	0.00	0.00
18,700.00	89.82	269.897	6,851.53	571.36	-12,420.42	12,433.26	0.00	0.00	0.00
18,800.00	89.82	269.896	6,851.84	571.18	-12,520.42	12,533.17	0.00	0.00	0.00
18,900.00	89.82	269.895	6,852.15	571.00	-12,620.42	12,633.09	0.00	0.00	0.00
19,000.00	89.82	269.894	6,852.46	570.81	-12,720.42	12,733.01	0.00	0.00	0.00
19,100.00	89.82	269.893	6,852.77	570.63	-12,820.42	12,832.92	0.00	0.00	0.00
19,200.00	89.82	269.893	6,853.07	570.44	-12,920.42	12,932.84	0.00	0.00	0.00
19,300.00	89.82	269.892	6,853.38	570.25	-13,020.42	13,032.75	0.00	0.00	0.00
19,400.00	89.82	269.891	6,853.69	570.06	-13,120.42	13,132.67	0.00	0.00	0.00
19,500.00	89.82	269.890	6,854.00	569.87	-13,220.42	13,232.58	0.00	0.00	0.00
19,600.00	89.82	269.889	6,854.31	569.68	-13,320.42	13,332.50	0.00	0.00	0.00
19,700.00	89.82	269.888	6,854.61	569.49	-13,420.41	13,432.42	0.00	0.00	0.00
19,800.00	89.82	269.887	6,854.92	569.29	-13,520.41	13,532.33	0.00	0.00	0.00
19,900.00	89.82	269.886	6,855.23	569.09	-13,620.41	13,632.25	0.00	0.00	0.00
20,000.00	89.82	269.885	6,855.54	568.89	-13,720.41	13,732.16	0.00	0.00	0.00
20,100.00	89.82	269.885	6,855.84	568.69	-13,820.41	13,832.08	0.00	0.00	0.00

Hilcorp Energy Company

Lonestar Consulting, LLC

Planning Report

LONESTAR CONSULTING

Database:	edm	**Local Co-ordinate Reference:**	Well Allison Unit 614H - Slot 03
Company:	Hilcorp Energy - San Juan Basin	**TVD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Project:	San Juan, NM NAD27	**MD Reference:**	GL 6350' & RKB 25.1' @ 6375.10ft (Nabors B29)
Site:	Allison Unit 611H Pad	**North Reference:**	True
Well:	Allison Unit 614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,200.00	89.82	269.884	6,856.15	568.49	-13,920.41	13,931.99	0.00	0.00	0.00
20,300.00	89.82	269.883	6,856.46	568.29	-14,020.41	14,031.91	0.00	0.00	0.00
20,400.00	89.82	269.882	6,856.77	568.08	-14,120.41	14,131.82	0.00	0.00	0.00
20,500.00	89.82	269.881	6,857.07	567.87	-14,220.41	14,231.74	0.00	0.00	0.00
20,600.00	89.82	269.880	6,857.38	567.66	-14,320.41	14,331.65	0.00	0.00	0.00
20,700.00	89.82	269.879	6,857.69	567.45	-14,420.41	14,431.57	0.00	0.00	0.00
20,800.00	89.82	269.879	6,858.00	567.24	-14,520.41	14,531.48	0.00	0.00	0.00
20,801.07	89.82	269.878	6,858.00	567.24	-14,521.48	14,532.55	0.08	0.00	-0.08

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
AU 614H LP Rev3 - plan hits target center - Point	0.00	0.000	6,816.00	581.65	-961.13	2,183,500.04	590,340.02	37.000230	-107.523966
AU 614H BHL Rev2 - plan hits target center - Point	0.00	0.000	6,858.00	567.24	-14,521.48	2,183,441.10	576,779.82	37.000180	-107.570402

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
700.00	700.00	13 3/8"	13.37	17.50
6,248.20	6,200.00	9 5/8"	9.62	12.25
20,801.07	6,858.00	5 1/2"	5.50	8.50

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,096.69	2,084.00	OJO ALAMO (SS)		0.00	0.000
2,163.45	2,150.00	KIRTLAND (SHALE + coal)		0.00	0.000
2,599.40	2,581.00	FRUITLAND (shale + COAL)		0.00	0.000
2,972.64	2,950.00	PICTURED CLIFFS (ss)		0.00	0.000
3,495.59	3,467.00	LEWIS SHALE		0.00	0.000
4,945.07	4,900.00	CLIFFHOUSE		0.00	0.000
5,322.10	5,274.00	MENEFEE		0.00	0.000
5,503.16	5,455.00	POINT LOOKOUT		0.00	0.000
6,022.16	5,974.00	MANCOS		0.00	0.000

La Plata County, CO Allison Unit 614H

Hilcorp

Technical Drilling Plan (Rev. 4)

Hilcorp Energy Company proposes to drill and complete the referenced horizontal well targeting the Mancos formation.

Note: This technical drilling plan will be adjusted based upon actual conditions.

1. Location

Date:	March 28, 2025	**Pool:**	Basin Mancos
Well Name:	Allison Unit 614H	**Ground Elevation (ft. MSL):**	6,350’
Surface Hole Location:	36.998632° N, 107.520674° W	**Total Measured Depth (ft.)**	20,801’
Bottom Hole Location:	37.000180° N, 107.570402° W	**County, State:**	La Plata County, CO

Note: All geographic coordinates on the drilling tech plan and the directional drilling plan refer to NAD 27 geodetic coordinate system. All depths on the drilling tech plan and the directional drilling plan are referenced from an estimated RKB datum of 25’ above ground level.

2. Geological Markers

Anticipated formation tops with comments of any possible water, gas or oil shows are indicated below:

Formation	Depth (ft. TVD RKB)	Remarks
Ojo Alamo	2,084	Possible Water
Kirtland	2,150	Gas & Water
Fruitland	2,581	Gas & Water
Pictured Cliffs	2,950	Possible Gas
Lewis Shale	3,467	None
Cliffhouse	4,900	Possible Gas & Water
Menefee	5,274	None
Point Lookout	5,455	Gas
Mancos	5,974	Gas

3. Pressure Control Equipment

A. BOP Equipment

See Appendix A for BOP equipment and choke manifold diagram.

- BOP equipment will be nippled up on top of the wellhead after surface casing is set and cemented.
- Pressure control configurations will be designed to meet the minimum 5M standards.
- All equipment will have 5M pressure rating at a minimum.
- A rotating head will be installed on top of the annular as seen in the attached diagram.

B. BOP Pressure Testing

- For all BOP pressure testing, a BOP test unit with a chart recorder and a BOP test plug will be utilized.
- All tests and inspections will be recorded and logged with time and results.
- A full BOP pressure test will be conducted when initially installed for the first well on the pad or if a seal subject to test pressure is broken, following related repairs, and at a minimum in 30-day intervals.
- A BOPE shell pressure test only will be conducted for subsequent wells on the pad when seals subject to pressure have not been broken, repaired, and fall within the 30-day interval of the first full test.
- **The New Mexico Oil & Gas Conservation Division and the BLM will be notified 24 hours in advance of pressure testing BOPE**.
- The BOPE will be tested to **250 psi (Low) for 5 minutes and 5,000 psi (High) for 10 minutes.**

C. BOP Function Testing

- Annular preventors will be functionally tested at least once per week.
- Pipe and blind rams will be function tested each trip.

D. Casing Pressure Testing

- **Surface casing will be pressure tested to 600 psi for 30 minutes**.
- I**ntermediate casing will be pressure tested to 1,500 psi for 30 minutes.**

4. Casing Program

A. Proposed Casing Program:

Proposed Casing Design							
Casing String	**Hole Size**	**Casing (size/weight/grade)**	**Top Depth (MD/TVD)**	**Shoe Depth (MD/TVD)**	**Collapse**	**Burst**	**Tensile**
Surface	17-1/2"	13-3/8"-54.5#-J55 (or equiv)-LTC/BTC	0'	700'/700'	1,130 psi	2,730 psi	514 klbs
Intermediate	12-1/4"	9-5/8"-43.5#-L80 (or equiv)-LTC/BTC	0'	6,222'/6,174'	3,810 psi	6,330 psi	737 klbs
Production	8-1/2"	5-1/2"-20.0#-P110 (or equiv)-LTC/BTC	0'	20,801'/6,858'	12,300 psi	14,360 psi	729 klbs

Proposed Casing Design Safety Factors				
Casing String	**Burst Design SF**	**Collapse Design SF**	**Joint Tensile Design SF**	**Connection Tensile Design SF**
Surface	8.3	4.4	25.9	27.6
Intermediate	1.7	1.2	4.5	3.6
Production	3.4	3.4	2.1	2.1

B. Casing Design Parameters & Calculations:

- Designed for full wellbore evacuation.
- Mud Weights used for calculations:
  - Surface = 9.0 ppg
  - Intermediate = 11.5 ppg
  - Production = 12.0 ppg
- Minimum Acceptable Safety Factors:
  - Burst: 1.15
  - Collapse: 1.15
  - Tensile: 1.50
- Casing Safety Factor Calculations:

$$Casing\ Burst\ Safety\ Factor = \frac{Casing\ Burst\ Rating(psi)}{Maximum\ Mud\ Weight\ (ppg) \times TVD(ft) \times 0.052}$$

$$Casing\ Collapse\ Safety\ Factor = Hydrostatic\ of\ Mud\ Weight\ in\ Annulus(psi) - \left[TVD\ of\ Casing\ Shoe\ (ft) \times 0.10\frac{psi}{ft}\right]$$

$$Tensile\ Safety\ Factor = \frac{Tensile\ Rating\ of\ Casing\ String\ (lbs)}{Measured\ Depth\ of\ Casing(ft) \times Casing\ Weight\ \frac{lb}{ft} \times DrillingFluid\ Bouyancy\ Factor}$$

Production Casing Notes:

- Production casing will be run from surface to TD.
- If the 8-1/2" hole is not drilled to the planned measured depth, casing setting depth will be adjusted accordingly.
- A toe initiation sliding sleeve will be installed at the toe of the production casing.

La Plata County, CO Allison Unit 614H

Hilcorp

5. Proposed Centralizer Program:

Proposed Centralizer Program	
Casing String	**Centralizers & Placement**
Surface Casing	1 centralizer per joint on bottom 3 joints.
Intermediate Casing	1 centralizer per joint in shoe track. 1 centralizer every 3rd joint to surface.
Production Casing	Centralizers determined by hole conditions from TD to top of cement.

6. Proposed Cement Program:

Proposed Cement Design								
Interval	**Depth (ft. MD)**	**Lead/Tail**	**Volume (ft^3)**	**Sacks**	**Excess (%)**	**Slurry**	**Density (ppg)**	**Planned TOC**
Surface	700’	Lead	972 ft^3	705	100%	Class G Cement Yield: 1.38 ft^3/sk	14.6	Surface
		Slurry Additives: CaCl (1%), Cello Flake (0.25 lb/sk), CD-2 (0.2%)						
Intermediate	6,222’	Lead	1,947 ft^3	381	25%	ASTM Type IL Yield: 5.12 ft^3/sk	9.5	Surface
		Slurry Additives: FL-24 (0.5%), FL-66 (0.5%), IntegraGuard GW-86 (0.2%), IntegraSeal PHENO (2.0 lb/sk), IntegraSeal POLI (0.25 lb/sk), LW-5E (50.0%), R-3 (0.4%), S-8 Silica Flour (35.0%), XCem-311 (0.3%)						
		Tail	478 ft^3	223	25%	ASTM Type IL Yield: 2.15 ft^3/sk	12.5	5,000’
		Slurry Additives: A-10 (5.0%), A-2 (1.0 lb/sk), IntegraSeal PHENO (1.0 lb/sk), IntegraSeal POLI (0.5 lb/sk), R-7C (0.3%), StaticFree (0.01%), XCem-311 (0.3%)						
Production	20,801’	Lead	475 ft^3	302	25%	ASTM Type IL Yield: 1.57 ft^3/sk	12.0	5,000’
		Slurry Additives: AEXT-1012 (60.0%), FL-66 (0.3%), GW-86 (0.2%), IntegraSeal PHENO (2.0 lb/sk), IntegraSeal Poli (0.25 lb/sk), KCl (3.0%), R-3 (0.55%), STATIC FREE (0.01 lb/sk), XCem-311 (0.3%)						
		Tail	4,028 ft^3	2,722	25%	Class G Yield: 1.48 ft^3/sk	14.0	6,800’
		Slurry Additives: Fly Ash (20.0%), Bentonite (4.0%), FL-66 (0.3%), GW-86 (0.1%), IntegraSeal PHENO (1.0 lb/sk), IntegraSeal POLI (0.25 lb/sk), R-3 (0.25%), StaticFree (0.01 lb/sk)						

Cement Program Notes:

- The cement slurry additives may be adjusted to accommodate required pump and compressive test times.
- Actual cement volumes will be determined and may be adjusted onsite based on well conditions.
- For the intermediate hole section, a 2-stage or 3-stage cement job may be performed if hole conditions dictate. If needed, the stage tool will be placed appropriately as conditions indicate.
- Cement will be circulated to surface on surface and intermediate casing sections to protect water bearing zones.
- A minimum of 8 hours of wait on cement time will be observed on each hole section to allow adequate time for cement to achieve a minimum of 500 psi of compressive strength. The BOP will not be nippled down, the wellhead will not be installed, the casing will not be tested and the prior casing shoe will not be drilled out until adequate wait on cement time has been observed (8 hours or time to reach 500 psi compressive strength).

7. Drilling Fluids Program

A. Proposed Drilling Fluids Program:

Proposed Drilling Fluids Program					
Interval	**Fluid Type**	**Density**	**Fluid Loss**	**Invert Ratio**	**Depth**
		(ppg)	(mL/30 min)	(%Diesel / %Brine)	(ft. MD)
Surface	Water/Gel	8.3 – 9.2	NC	N/A	0' – 700'
Intermediate	LSND / Gel	8.4 – 10.0	<6	N/A	700' – 6,222'
Production	Oil Base Mud	10.0 – 12.0	6 – 8	70/30 – 75/25	6,222' – 20,801'

Drilling Fluids Notes:

- In the 8-1/2" production section, oil base mud will be utilized which will be an invert mud. The base fluid will be diesel. Brine fluid will be $CaCl_2$ or KCl.
- Lost circulation material may be added to the mud systems to manage fluid losses as hole conditions dictate.
- The well will be drilled utilizing a closed-loop circulating system. Drill cuttings for all hole sections will be transported to an approved disposal site.
- Estimated total volume of drill cuttings for disposal: 2,036 bbls (11,433 ft^3).

8. Estimated Pressures & Drilling Hazards

A. Estimated Pressures

- Estimated Reservoir Pressure of Mancos Shale target: 4,000 – 4,200 psi
- No over-pressured intervals expected (aside from Mancos Shale target).
- There is production from the Fruitland Coal, Mesa Verde and Pictured Cliffs formations in offset wells in the area, which could result in these formations being depleted.

B. Water Flows

- Water flows are possible in the intermediate section. Water flows will be mitigated with increased mud weight.

C. Lost Circulation

- Lost circulation is possible in the intermediate section. Losses will be mitigated by utilizing LCM in the mud system.

D. Hydrogen Sulfide

- No hydrogen sulfide is expected to be encountered based on nearby well production.

9. Pilot Hole

- No pilot hole is planned for this wellbore.

10. Testing, Logging, Coring

A. Mud Logging

- Mud loggers will collect formation samples every 30'-90' from intermediate casing shoe to TD of the well.

B. MWD

- Measurement while drilling tools will be utilized on all sections of the well to measure and record inclination and azimuth.

C. LWD

- Logging while drilling tools (gamma ray) will be utilized while drilling the production section from the intermediate casing shoe to the production hole section TD to assist in staying in the desired production formation interval while drilling the horizontal section.

D. Open Hole Logging

- None

E. Coring

- None

F. Cased Hole Logging

- The 9-5/8" intermediate casing will be cemented to surface to protect water bearing zones. If cement is not circulated to surface on the intermediate cement job, a cement bod log will be run to verify top of cement.

11. Directional Drilling Plan

- The directional drilling plan and plot are attached.
- The directional plan is built from geologic targets from offset wells and lease boundaries. The production hole section will be landed and drilled horizontally within the target formation utilizing LWD tools to steer the wellbore. On-site adjustments to the directional plan will be made as formation and wellbore dictate.

12. Completion

A. Pressure Testing

- A pressure test of the 5-1/2” production casing will be conducted to the maximum anticipated frac pressure for 30 minutes.
- Pressure will be cycled to shift the toe sleeve open.

B. Stimulation

- The well will be stimulated with sand and water. The number of stages and amount of proppant used will be adjusted based on actual lateral length and real-time pumping conditions during the stimulation.
- Individual stages will be perforated on wireline and isolated using frac plugs or dissolvable frac plugs.
- Upon completion of the stimulation operation, frac plugs will be drilled out and the stimulation fluid will be flowed back.

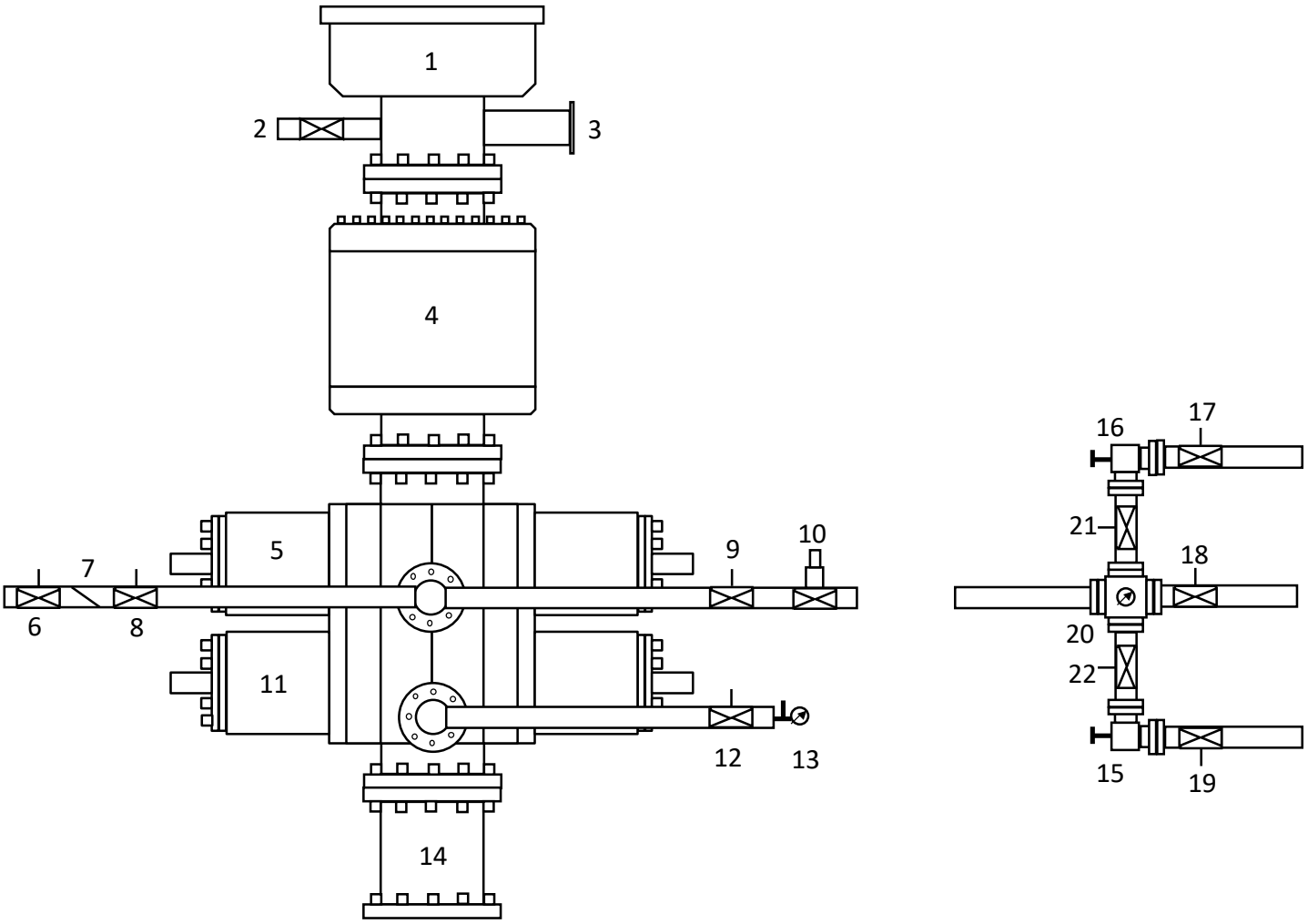
*NOTE: Although this horizontal well may be drilled past the applicable setbacks, an unorthodox location application is not required because the completed interval in this well, as defined by 19.15.16.7 8(1) NMAC, will be entirely within the applicable setbacks. This approach complies with all applicable rules, including 19.15.16.14 A(3) NMAC, 19.15.16.14 8(2) NMAC, 19.15.16.15 8(2)NMAC, and 19.15.16.15 8(4) NMAC.

La Plata County, CO Allison Unit 614H

Hilcorp

Appendix A

13-5/8" 5M BOP & 5M Choke Manifold Configuration



1	Rotating Head	12	Manual Isolation Valve
2	Fill-Up Line	13	Needle Valve & Pressure Gauge
3	Flow Line	14	Spacer Spool (if needed)
4	5M Annular Preventer	15	Manual Choke
5	5M Pipe Rams	16	Hydraulicly Operated Choke
6	Manual Isolation Valve	17	Manual Isolation Valve
7	Check Valve	18	Manual Isolation Valve
8	Manual Isolation Valve	19	Manual Isolation Valve
9	Manual Isolation Valve	20	Valve Block & Pressure Gauge
10	High Closing Ratio Valve	21	Manual Isolation Valve
11	5M Blind Rams	22	Manual Isolation Valve

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: Hilcorp Energy Company **OGRID:** 372171 **Date:** 12/9/2024

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
Allison Unit 612H		F, Sec 12, T32N, R07W	604' FNL & 1635' FWL	0	16,000	300
Allison Unit 630H		F, Sec 12, T32N, R07W	554' FNL & 1635' FWL	0	16,000	300
Allison Unit 631H		F, Sec 12, T32N, R07W	529' FNL & 1635' FWL	0	16,000	300
Allison Unit 632H		F, Sec 12, T32N, R07W	479' FNL & 1485' FWL	0	16,000	300
Allison Unit 633H		F, Sec 12, T32N, R07W	454' FNL & 1485' FWL	0	16,000	300
Allison Unit 614H		F, Sec 12, T32N, R07W	504' FNL & 1485' FWL	0	16,000	300
Allison 605 Federal Com 613H		F, Sec 12, T32N, R07W	529' FNL & 1485' FWL	0	16,000	300

IV. Central Delivery Point Name: Milagro/Ignacio Gas Plant [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
Allison Unit 612H		**2025**				
Allison Unit 630H		**2025**				
Allison Unit 631H		**2025**				
Allison Unit 632H		**2025**				
Allison Unit 633H		**2025**				
Allison Unit 614H		**2025**				
Allison 605 Federal Com 613H		**2025**				

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: 
Printed Name: Amanda Walker
Title: Operations Regulatory Tech Sr.
E-mail Address: mwalker@hilcorp.com
Date: 12/9/2024
Phone: 346-237-2177

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

Hilcorp Energy Natural Gas Management Plan Attachments

VI. Separation Equipment

The operator will select separation equipment for the maximum anticipated throughput and pressure to optimize gas capture. Separation equipment is sized according to manufacturer's design specifications. Separation vessels are built following the A.S.M.E. section VII division 1 codes for pressure vessel design, fabrication, inspection, testing and certification. Anticipated well pressures and production rates are evaluated to select separation equipment according to the equipment's designed operating pressure and throughput.

After completion, the operator utilizes flowback equipment, including separators, to manage wellbore fluids and solids during the initial separation period. After the initial flowback period is complete the operator utilizes iterative facility separation equipment to ensure that optimal separation is achieved.

VII. Operational Practices 19.15.27.8 NMAC A through F

A. The operator will maximize the recovery of natural gas and minimize the amount of gas vented or flared when technically and safely feasible as further described and detailed within the following subsections (B-F of 19.15.27.8). In all cases where natural gas venting and flaring requires regulatory reporting, reporting will be submitted accurately and within the required time frames.
B. Venting and flaring during drilling operations:
    a. New Drill HZ Gas Wells: The operator drills wells in the area by utilizing a balanced mud to safely drill the wellbore. This technique prevents gas from coming to surface during the drilling process. If there is an emergency or malfunction and natural gas does come to surface the natural gas will be captured and routed to sales if technically and safely feasible.
C. Venting and flaring during completion or recompletion operations:
    a. New Drill HZ Gas Wells: The operator's facilities are designed to handle the maximum throughput and pressures from the newly drilled and completed wellbores. The amount of gas vented and flared will be minimized when technically and safely feasible. During initial flowback and initial separation flowback the operator will utilize contracted flowback equipment, including separators, to manage wellbore fluids and solids. The initial flowback period will be minimized and flow will be sent to separation equipment as soon as possible to reduce the amount of gas that is vented to atmosphere. The natural gas will be utilized on site as needed for fuel gas and natural gas will be sold.

D. Venting and flaring during production operations:
    a. New Drill HZ Gas Wells: The operator's facilities are designed to handle the maximum throughput and pressures from producing wellbores. The amount of gas vented and flared will be minimized when technically and safely feasible.

        Operations will effectively manage the following scenarios to minimize the quantity of natural gas that is vented or flared:

(a) If there is an emergency or malfunction vented or flared natural gas will be reported, if required, and the emergency or malfunction will be resolved as soon as technically and safely feasible.
(b) If the wellbore needs to be unloaded to atmosphere the operator will not vent the well after the well has achieved a stabilized rate and pressure. The operator will remain on site during unloading. Plunger lift systems will be optimized to reduce the amount of natural gas venting. Downhole maintenance, such as workovers, swabbing, etc. will only be conducted as needed and best management practices will be utilized to reduce venting of natural gas.
(c) The operator will minimize the amount of time that natural gas is vented to atmosphere from gauging and sampling a storage tank or low pressure vessel. The formation is only anticipated to produce water and therefore tank emissions are anticipated to be negligible.
(d) The operator will reduce the amount of time needed for loading out liquids from a storage tanks or other low-pressure vessels whenever feasible. Operations will always utilize the water transfer systems when available. Water loading emissions are anticipated to be negligible.
(e) Equipment will be repaired and maintained routinely to minimize the venting or flaring of natural gas. Repairs and maintenance will be conducted in a manner that minimizes the amount of natural gas vented to atmosphere through the isolation of the equipment that is being repaired or maintained.
(f) Electric controllers and pumps will be installed to replace pneumatic controllers whenever feasible. Pneumatic controllers and pumps will be inspected frequently to ensure that no excess gas is vented to atmosphere.
(g) No dehydration or amine units are anticipated to be set on location.
(h) Compressors, compressor engines, turbines, flanges, connectors, valves, storage tanks, and other low-pressure vessels and flanges will be routinely inspected to ensure that no excess venting occurs outside of normal operations.
(i) Regulatory required testing, such as bradenhead and packer testing will be performed in a manner that minimizes the amount of natural gas vented to atmosphere.
(j) If natural gas does not meet gathering pipeline specifications gas samples will be collected twice per week to determine when pipeline specification gas content has been achieved. During this time frame gas will be flared and not vented to atmosphere. Natural gas that meets pipeline specifications will be sold via pipeline and natural gas that can be utilized for fuel gas will be used during this time.
(k) If pipeline, equipment, or facilities need purged of impurities gas losses will be minimized as much as technically and safely feasible.

E. Performance standards:

a. The production facilities are designed to handle the maximum throughput and pressures from producing wellbores and will be designed to minimize waste. The amount of gas vented and flared will be minimized when technically and safely feasible.
b. All tanks that are routed to a control device that is installed after 5/25/2021 will have an automatic gauging system to minimize the amount of vented natural gas.
c. If a flare stack is installed or replaced after 5/25/2021 it will be equipped with an automatic ignitor or continuous pilot. The flare stack will be properly sized and designed to ensure proper combustion efficiency. The flare stack will be located 100 feet away from the nearest wellhead or storage tank.
d. AVO inspections will be conducted weekly for the year after completion and for all wells producing greater than 60,000 cubic feet of natural gas daily. The AVO inspection will include all components, including flare stacks, thief hatches, closed vent systems, pumps, compressors, pressure relief devices, valves, lines, flanges, connectors, and associated pipeline to identify any leaks and releases by comprehensive auditory, visual, and olfactory inspection. The AVO inspection records will be maintained for 5 years which will be available at the department's request. Identified leaks will be repaired as soon as feasible to minimize the amount of vented natural gas. F. Measurement or estimation of vented and flared natural gas.

a. The volume of natural gas that is vented, flared or consumed for beneficial use will be measured when possible, or estimated, during drilling, completions, or production operations.
b. Equipment will be installed to measure the volume of natural gas flared for all APD's issued after 5/25/2021 on facilities that will have an average daily gas rate greater than 60,000 cubic feet of natural gas. Measurement equipment will conform to API MPMS Chapter 14.10 regulations. The measurement equipment will not have a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment. If metering is not practical then the volume of gas will be estimated.

FORM 2 Rev 10/24

State of Colorado
Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Document Number: 404432906

Date Received: 11/13/2025

APPLICATION FOR PERMIT TO

[X] **Drill** [ ] Deepen [ ] Re-enter [ ] Recomplete and Operate

Amend [ ] Refile [ ] Sidetrack [ ]

TYPE OF WELL OIL [ ] GAS [X] COALBE [ ] GEOTHERMAL [ ] OTHER:

ZONE TYPE SINGLE ZONE [X] MULTIPLE ZONES [ ] COMMINGLE ZONES [ ]

Well Name: Allison Unit Well Number: 614H

Name of Operator: HILCORP ENERGY COMPANY ECMC Operator Number: 10133

Address: P O BOX 61229

City: HOUSTON State: TX Zip: 77208

Contact Name: Amanda Walker Phone: (346)237.2177 Fax: ( )

Email: mwalker@hilcorp.com

FINANCIAL ASSURANCE FOR PLUGGING, ABANDONMENT, AND RECLAMATION

ECMC Financial Assurance

[X] The Operator has provided or will provide Financial Assurance to the ECMC for this Well.

Surety ID Number (if applicable): 20050122

Federal Financial Assurance

[ ] In checking this box, the Operator certifies that it has provided or will provide at least this amount of Financial Assurance to the federal government for this Well. (Per Rule702.a.)

Amount of Federal Financial Assurance $

WELL LOCATION INFORMATION

Surface Location

QtrQtr: L3 Sec: 20 Twp: 32N Rng: 6W Meridian: N

Footage at Surface: 66 Feet FSL (FNL/FSL) 2560 Feet FWL (FEL/FWL)

Latitude: 36.998637 Longitude: -107.521281

GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 04/02/2025

Ground Elevation: 6352

Field Name: IGNACIO BLANCO Field Number: 38300

Well Plan: is [ ] Directional [X] Horizontal (highly deviated) [ ] Vertical

If Well plan is Directional or Horizontal attach Deviated Drilling Plan and Directional Data.

Subsurface Locations

Top of Productive Zone (TPZ)

Sec: 20 Twp: 32N Rng: 6W Footage at TPZ: 66 FSL (FNL/FSL) 2560 FWL (FEL/FWL)

Measured Depth of TPZ: 7240 True Vertical Depth of TPZ: 6816

Base of Productive Zone (BPZ)

Sec: 23 Twp: 32N Rng: 7W Footage at BPZ: 68 FSL 597 FEL
FNL/FSL FEL/FWL

Measured Depth of BPZ: 20801 True Vertical Depth of BPZ: 6858

Bottom Hole Location (BHL)

Sec: 23 Twp: 32N Rng: 7W Footage at BHL: 67 FSL 798 FEL
FNL/FSL FEL/FWL

LOCAL GOVERNMENT PERMITTING INFORMATION

County: LA PLATA Municipality: N/A

Is the Surface Location of this Well in an area designated as one of State interest and subject to the requirements of § 24-65.1-108 C.R.S.? No

Per §34-60-106(1)(f)(I)(A) C.R.S and §37-90.5-107(2)(b)(I) C.R.S, the following questions pertain to the Relevant Local Government approval of the siting of the proposed Oil and Gas or Deep Geothermal Locations.

The Energy and Carbon Management Act and the Geothermal Resources Act provide that when "applying for a permit to drill," operators must include proof that they sought a local government siting permit and the disposition of that permit application, or that the local government does not have siting regulations.

Does the Relevant Local Government regulate the siting of Oil and Gas and Deep Geothermal Locations, with respect to this Location? ☐ Yes ☒ No

☐ If yes, in checking this box, I hereby certify that an application has been filed with the local government with jurisdiction to approve the siting of the proposed oil and gas location.

The disposition of the application filed with the Relevant Local Government is: _____ Date of Final Disposition: _____

Comments:

GEOTHERMAL

Well Overview

The following questions determine informational requirements based on Well type:

Which type of Geothermal Well is this? Select one of the following:

Will this well be constructed using cementing methodologies other than those listed in Rule 408.f?

If Yes, what method will be used:

Please describe the cementing method to be used in detail:

Geothermal Resource Units

Fill out the information below to submit an application for a Geothermal Resource Unit (GRU) as part of the current permit application. This may also be completed later using a Form 4 Sundry.

Will this Well be in an existing GRU?

Are you submitting your application for a new GRU as part of the current application?

SURFACE AND MINERAL OWNERSHIP AT WELL'S OIL & GAS OR DEEP GEOTHERMAL LOCATION

Surface Owner of the land at this Well's Oil and Gas Or Deep Geothermal Location: [X] Fee [ ] State [ ] Federal [ ] Indian

Mineral Owner beneath this Well's Oil and Gas Or Deep Geothermal Location: [ ] Fee [ ] State [ ] Federal [X] Indian

Surface Owner Protection Bond (if applicable): _____ Surety ID Number (if applicable): _____

MINERALS DEVELOPED BY WELL

The ownership of all the minerals that will be developed by this Well is (check all that apply):

- [X] Fee
- [ ] State
- [ ] Federal
- [X] Indian
- [ ] N/A

LEASE INFORMATION

Using standard QtrQtr, Section, Township, Range format describe one entire mineral lease as follows:
* If this Well is within a unit, describe a lease that will be developed by the Well.
* If this Well is not subject to a unit, describe the lease that will be produced by the Well.
(Attach a Lease Map or Lease Description or Lease if necessary.)

T32N-R06W, NMPM
Sec. 19: Lot 6 aka NE/4SE/4
La Plata County, CO

Total Acres in Described Lease: 32 Described Mineral Lease is: ☐ Fee ☐ State ☐ Federal ☒ Indian

Federal or State Lease # I-22-IND-2792

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 5280 Feet
Building Unit: 5280 Feet
Public Road: 5280 Feet
Above Ground Utility: 5280 Feet
Railroad: 5280 Feet
Property Line: 865 Feet

INSTRUCTIONS:
- Specify all distances per Rule 308.b.(1).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit – as defined in 100 Series Rules.

OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
MANCOS	MNCS	112-304	389	See Comments

Federal or State Unit Name (if appl): Allison Unit Unit Number:

SUBSURFACE MINERAL SETBACKS

Enter 5280 for distance greater than 1 mile.

Is this Well within a unit? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 68 Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: 1448 Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: Feet

Exception Location

☐ If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers.

SPACING & FORMATIONS COMMENTS

DSU No. 1:
Township 32 North, Range 6 West, N.M.P.M.
Section 19: Lots 3, 4, 5, 6
Section 20: Lots 3, 4
Township 32 North, Range 7 West, N.M.P.M.
Section 23: NE/4 SE/4 equivalent (unnumbered lot)
Section 24: N/2 S/2 equivalent (unnumbered lots

DRILLING PROGRAM

Proposed Total Measured Depth: 20801 Feet TVD at Proposed Total Measured Depth 6858 Feet

Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:

Enter distance if less than or equal to 1,500 feet: _____ Feet ☒ No well belonging to another operator within 1,500 feet

Will a closed-loop drilling system be used? Yes

Is H_2S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No If yes, attach an H2S Drilling Plan unless a plan was already submitted with the Form 2A per Rule 304.c.(10).

Will there be hydraulic fracture treatment at a depth less than 2,000 feet in this well? No

Will salt sections be encountered during drilling? No

Will salt based (>15,000 ppm Cl) drilling fluids be used? No

Will oil based drilling fluids be used? No

BOP Equipment Type: ☒ Annular Preventor ☒ Double Ram ☒ Rotating Head ☐ None

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: _____ or Document Number: _____

CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	17+1/2	13+3/8	J55	54.5	0	700	705	700	0
1ST	12+1/4	9+5/8	L80	43.5	0	6222	604	6222	
2ND	8+1/2	5+1/2	P110	20	0	20801	3024	20801	

☒ Conductor Casing is NOT planned

POTENTIAL FLOW AND CONFINING FORMATIONS

Zone Type	Formation /Hazard	Top M.D.	Top T.V.D.	Bottom M.D.	Bottom T.V.D.	TDS (mg/L)	Data Source	Comment
Groundwater	SAN JOSE	0	0	2096	2084	0-500	USGS	POSSIBLE WATER
Groundwater	OJO ALAMO	2096	2084	2163	2150	501-1000	USGS	POSSIBLE WATER
Groundwater	KIRTLAND	2163	2150	2599	2581	1001-10000	USGS	GAS & WATER
Hydrocarbon	FRUITLAND	2599	2581	2972	2950	1001-10000	USGS	GAS & WATER
Hydrocarbon	PICTURED CLIFFS	2972	2950	3495	3467			POSSIBLE GAS
Hydrocarbon	LEWIS SHALE	3495	3467	4945	4900			NONE
Confining Layer	CLIFFHOUSE	4945	4900	5322	5274			POSSIBLE GAS & WATER
Confining Layer	MENEFEE	5322	5274	5503	5455			NONE
Hydrocarbon	POINT LOOKOUT	5503	5455	6022	5974			GAS
Hydrocarbon	MANCOS	6022	5974	20801	6858			GAS

OPERATOR COMMENTS AND SUBMITTAL

Comments	SHL will be in the state of New Mexico (UL: F, Lot 3, Sec 12, T32N, R07W). BHL and all production will be from the state of Colorado. Minerals include SUIT

This application is in a Comprehensive Area Plan _____ CAP #: _____

Oil and Gas Development Plan Name _____ OGDP ID#: _____

Location ID: _____

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Amanda Walker

Title: Regulatory Tech Sr. Date: 11/13/2025 Email: mwalker@hilcorp.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

Based on the information provided herein, this Application for Permit-to-Drill complies with ECMC Rules, applicable orders, and SB 19-181 and is hereby approved.

ECMC Approved: _____ **Director of ECMC** Date: 11/21/2025

Expiration Date: 11/20/2028

API NUMBER

05 067 10068 00

CONDITIONS OF APPROVAL, IF ANY LIST

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

COA Type	Description
Drilling/Completion Operations	Bradenhead tests shall be performed according to the following schedule and Form 17 submitted within 10 days of each test: 1) Within 60 days of rig release, prior to stimulation. If any pressure greater than 25 psig is observed or if there is evidence of communication, Operator must contact ECMC engineering for approval prior to stimulation. 2) Within 60 days after first sales, as reported on the Form 10, Certificate of Clearance.
Drilling/Completion Operations	Operator acknowledges the proximity of the listed wells. Operator assures that this offset list will be remediated per the Offset Well Evaluation and Hydraulic Fracturing Operator Guidance Document (option 4). Operator will submit a Form 42 (“OFFSET MITIGATION COMPLETED”) stating that appropriate mitigation will be completed during the hydraulic stimulation of this well. This Form 42 shall be filed 48 hours prior to stimulation. Operator will monitor casing (surface and production) pressures during the entire stimulation treatment. If there is indication of communication between the stimulation treatment and an offset well, treatment will be stopped and ECMC Engineering notified. Stimulation shall not resume without explicit approval from ECMC Engineering. Within 60 days after stimulation is complete, a Form 4 Sundry shall be submitted for each offset well on this list describing how Option 4 work was completed and include a summary of the monitoring details. ALLISON UNIT #19 API# 05-067-05008
Drilling/Completion Operations	Operator acknowledges the proximity of the listed wells. Operator agrees to: provide mitigation option 1 or 2 (per the Offset Well Evaluation and Hydraulic Fracturing Operator Guidance Document) to mitigate the situation, ensure all applicable documentation is submitted based on the selected mitigation option chosen, and submit a Form 42 (“OFFSET MITIGATION COMPLETED”) stating that appropriate mitigation occurred and that it has been completed, prior to the hydraulic stimulation of this well. ALLISON UNIT #59 API 05-067-06145
Drilling/Completion Operations	1) Submit Form 42 electronically to ECMC 2 business days prior to MIRU (spud notice) for the first well activity with a rig on the pad and provide 2 business day spud notice via Form 42 for all subsequent wells drilled on the pad. 2) Comply with Rule 408.i. and 408.e. Operator shall provide cement coverage from the end of Intermediate Casing (1st string) to a minimum of 500' above Fruitland Coal, a minimum of 50' above and below Ojo Alamo. Verify intermediate casing cement coverage with a cement bond log or circulation to surface. 3) Comply with Rule 408.j. Operator shall provide cement coverage from TD to a minimum of 500' above Mancos. Verify production casing (2nd string) cement coverage with a cement bond log.
4 COAs	

Operator Best Management Practices

No	BMP/COA Type	Description
1	Drilling/Completion Operations	Open-hole resistivity log with gamma-ray log will be run from the kick-off point into the surface casing. A cement bond log with gamma-ray log will be run if cement is not circulated to surface on the intermediate cement job, a cement bod log will be run to verify top of cement. The horizontal portion of the wellbore will be logged with a measured-while drilling gamma-ray. log. The Form 5, Completion Report, will list all logs run and have those logs attached.

Total: 1 comment(s)

ATTACHMENT LIST

Att Doc Num	Name
404432906	FORM 2 SUBMITTED
404432971	OffsetWellEvaluations Data
404433073	DIRECTIONAL DATA
404433077	OTHER
404433079	DRILLING PLAN
404433082	WELL LOCATION PLAT
404433110	OTHER
404447146	OFFSET WELL EVALUATION

Total Attach: 8 Files

General Comments

User Group	Comment	Comment Date
Permit	Final Review Complete.	11/21/2025
Permit	68' South to southern unit boundary (5' (five foot) setback); ~710' west to western unit boundary (600' setback) Permitting Review Complete.	11/20/2025
Engineer	Emailed operator about offset well mitigation Option 4/Option 1or 2, see if a temp survey can be provided for 05-067-06145 ALLISON UNIT #59 (cannot confirm that sufficient formation coverage exist, no CBL, wellbore diagram says Temperature survey, TOC 2900'). Operator will provide a CBL. Revised PFZ table per operator's confirmation. 26 water wells within 1 mile. 2 deepest water wells 300', elevation 6355' and 6286', water coverage needed at 297'+50' and 366'+50'. Surface casing >10% TVD, alternative stage cement. Offset well evaluation within 1500' of wellbore completed.	11/17/2025
OGLA	Surface location for this well will be in the state of New Mexico. OGLA review complete.	11/14/2025

Total: 4 comment(s)

Public Comments

No public comments were received on this application during the comment period.

14 13 18 17 16

32N 7W 32N 6W

23 24 19 20 21

ALLISON UNIT 614H BHL

CO

NM

ALLISON UNIT 614H SHL

9 10 11 12 7

32N 7W 32N 6W

16 15 14 13 18

0 1,000

FEET

PETRA 12/5/2025 3:51:37 PM

ALLISON UNIT 614H BHL

ALLISON UNIT 614H SHL

CO

NM

32N 7W

32N 6W

0 3,000

FEET

PETRA 12/5/2025 3:47:17 PM

14 13 18 17 16

32N 7W

32N 6W

23 24 19 20 21

ALLISON UNIT 614H BHL

CO

NM

ALLISON UNIT 614H SHL

9 10 11 12 7

32N 7W

32N 6W

16 15 14 13 18

0 1,000

FEET

PETRA 12/5/2025 3:54:21 PM

ALLISON UNIT 614H BHL

ALLISON UNIT 614H SHL

32N 7W

32N 6W

CO

NM

0 3,000

FEET

PETRA 12/5/2025 3:55:46 PM


32N 6W
Allison Unit 614H
Middle Mesa
Allison Unit 633H
Allison Unit 631H
Allison Unit 614H

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: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 532197
	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: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 532197
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
mray	Cement is required to circulate on both surface and intermediate1 strings of casing.	12/5/2025
mray	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	12/5/2025
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	12/5/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	12/5/2025
ward.rikala	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.	12/5/2025
ward.rikala	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.	12/5/2025