Form 3160-3
(June 2015)

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FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM138850

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.
NAILED IT FED COM
235H 327308

2. Name of Operator
TAP ROCK OPERATING LLC

9. API Well No.
30-015-46844

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory
602 Park Point Drive Suite 200, Golden, CO 80401	(720) 460-3316	PURPLE SAGE WOLFCAMP/null

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface LOT 3 / 230 FSL / 1945 FWL / LAT 32.0007877 / LONG -103.8370394
At proposed prod. zone NESW / 2464 FSL / 1590 FWL / LAT 32.0128355 / LONG -103.8381966

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 36/T26S/R30E/NMP

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State
20 miles	EDDY	NM

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
230 feet	320	289.2

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
25 feet	11851 feet / 16200 feet	FED: NMB001443

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
3017 feet	01/01/2020	30 days

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
(Electronic Submission)	Brian Wood / Ph: (720) 460-3316	10/21/2019

Title
President

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	Cody Layton / Ph: (575) 234-5959	02/27/2020

Title	Office
Assistant Field Manager Lands & Minerals	Carlsbad Field 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
RWP 3-16-20
Approval Date: 02/27/2020

(Continued on page 2)

*(Instructions on page 2)

INSTRUCTIONS

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

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

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

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the 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.

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Additional Operator Remarks

Location of Well

0. SHL: LOT 3 / 230 FSL / 1945 FWL / TWSP: 26S / RANGE: 30E / SECTION: 36 / LAT: 32.0007877 / LONG: -103.8370394 (TVD: 0 feet, MD: 0 feet)
PPP: NENW / 820 FSL / 1590 FWL / TWSP: 26S / RANGE: 30E / SECTION: 36 / LAT: 32.002407 / LONG: -103.838179 (TVD: 11836 feet, MD: 12410 feet)
PPP: LOT 3 / 19 FSL / 1693 FWL / TWSP: 26S / RANGE: 30E / SECTION: 35 / LAT: 32.0002099 / LONG: -103.8378523 (TVD: 10733 feet, MD: 10743 feet)
BHL: NESW / 2464 FSL / 1590 FWL / TWSP: 26S / RANGE: 30E / SECTION: 25 / LAT: 32.0128355 / LONG: -103.8381966 (TVD: 11851 feet, MD: 16200 feet)

BLM Point of Contact

Name: Tyler Hill
Title: LIE
Phone: (575) 234-5972
Email: tjhill@blm.gov

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Tap Rock Operating LLC
LEASE NO.:	NMNM138850
COUNTY:	Lea

The following conditions of approval are only applicable to the portion of road residing in the SWSW quarter of Section 25, T26S, R30E.

See page two for the applicable wells and their legal descriptions.

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Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

☐ **General Provisions**
☐ **Permit Expiration**
☐ **Archaeology, Paleontology, and Historical Sites**
☐ **Noxious Weeds**
☒ **Special Requirements**
Cave/Karst
☐ **Construction**
Notification
Federal Mineral Material Pits
Roads
☐ **Road Section Diagram**

Approval Date: 02/27/2020

		SHL					BHL				
	Well Name	ULSTR	Footage		Coordinates		ULSTR	Footage		Coordinates	
W2W2 Pad (Slot 1)	Nailed It Fed Com 201H	L4 36-26S-30E	330 FSL	279 FWL	32.0010601	-103.8424129	NWSW 25-26S-30E	2464 FSL	638 FWL	32.0128419	-103.8412680
	Nailed It Fed Com 205H	L4 36-26S-30E	330 FSL	304 FWL	32.0010602	-103.8423323	NWSW 25-26S-30E	2464 FSL	1254 FWL	32.0128378	-103.8392806
	Nailed It Fed Com 211H	L4 36-26S-30E	305 FSL	279 FWL	32.0009914	-103.8424129	NWSW 25-26S-30E	2464 FSL	331 FWL	32.0128440	-103.8422585
	Nailed It Fed Com 215H	L4 36-26S-30E	305 FSL	304 FWL	32.0009915	-103.8423323	NWSW 25-26S-30E	2464 FSL	946 FWL	32.0128399	-103.8402743
	Nailed It Fed Com 221H	L4 36-26S-30E	330 FSL	384 FWL	32.0010603	-103.8420742	NWSW 25-26S-30E	2464 FSL	331 FWL	32.0128440	-103.8422585
	Nailed It Fed Com 225H	L4 36-26S-30E	330 FSL	434 FWL	32.0010604	-103.8419129	NWSW 25-26S-30E	2464 FSL	1170 FWL	32.0128384	-103.8395516
	Nailed It Fed Com 231H	L4 36-26S-30E	330 FSL	409 FWL	32.0010604	-103.8419936	NWSW 25-26S-30E	2464 FSL	750 FWL	32.0128412	-103.8409067
	Nailed It Fed Com 241H	L4 36-26S-30E	305 FSL	384 FWL	32.0009916	-103.8420742	NWSW 25-26S-30E	2464 FSL	331 FWL	32.0128440	-103.8422585
	Nailed It Fed Com 245H	L4 36-26S-30E	305 FSL	434 FWL	32.0009917	-103.8419129	NWSW 25-26S-30E	2464 FSL	1170 FWL	32.0128384	-103.8395516
E2W2 Pad (Slot 2)	Nailed It Fed Com 202H	L3 36-26S-30E	230 FSL	1840 FWL	32.0007876	-103.8373781	NESW 25-26S-30E	2465 FSL	1870 FWL	32.0128336	-103.8372932
	Nailed It Fed Com 207H	L3 36-26S-30E	230 FSL	1865 FWL	32.0007876	-103.8372974	NESW 25-26S-30E	2465 FSL	2486 FWL	32.0128294	-103.8353058
	Nailed It Fed Com 212H	L3 36-26S-30E	205 FSL	1840 FWL	32.0007189	-103.8373780	NESW 25-26S-30E	2464 FSL	1562 FWL	32.0128357	-103.8382869
	Nailed It Fed Com 217H	L3 36-26S-30E	205 FSL	1865 FWL	32.0007189	-103.8372974	NESW 25-26S-30E	2465 FSL	2178 FWL	32.0128315	-103.8362995
	Nailed It Fed Com 222H	L3 36-26S-30E	230 FSL	1970 FWL	32.0007878	-103.8369587	NESW 25-26S-30E	2465 FSL	2010 FWL	32.0128327	-103.8368415
	Nailed It Fed Com 232H	L3 36-26S-30E	205 FSL	1970 FWL	32.0007190	-103.8369587	NESW 25-26S-30E	2465 FSL	2430 FWL	32.0128298	-103.8354865
	Nailed It Fed Com 235H	L3 36-26S-30E	230 FSL	1945 FWL	32.0007877	-103.8370394	NESW 25-26S-30E	2464 FSL	1590 FWL	32.0128355	-103.8381966
	Nailed It Fed Com 242H	L3 36-26S-30E	205 FSL	1945 FWL	32.0007190	-103.8370393	NESW 25-26S-30E	2465 FSL	2010 FWL	32.0128327	-103.8368415
W2E2 Pad (Slot 3)	Nailed It Fed Com 203H	L2 36-26S-30E	701 FSL	2225 FEL	32.0020849	-103.8332991	NWSE 25-26S-30E	2465 FSL	2178 FEL	32.0128248	-103.8331593
	Nailed It Fed Com 206H	L2 36-26S-30E	701 FSL	2200 FEL	32.0020849	-103.8332184	NWSE 25-26S-30E	2465 FSL	1562 FEL	32.0128206	-103.8311720
	Nailed It Fed Com 213H	L2 36-26S-30E	676 FSL	2225 FEL	32.0020162	-103.8332990	NWSE 25-26S-30E	2465 FSL	2486 FEL	32.0128269	-103.8341530
	Nailed It Fed Com 216H	L2 36-26S-30E	676 FSL	2200 FEL	32.0020162	-103.8332184	NWSE 25-26S-30E	2465 FSL	1870 FEL	32.0128227	-103.8321657
	Nailed It Fed Com 223H	L2 36-26S-30E	701 FSL	2120 FEL	32.0020850	-103.8329603	NWSE 25-26S-30E	2465 FSL	2430 FEL	32.0128266	-103.8339724
	Nailed It Fed Com 226H	L2 36-26S-30E	701 FSL	2070 FEL	32.0020851	-103.8327990	NWSE 25-26S-30E	2465 FSL	1590 FEL	32.0128207	-103.8312623
	Nailed It Fed Com 233H	L2 36-26S-30E	701 FSL	2095 FEL	32.0020851	-103.8328797	NWSE 25-26S-30E	2465 FSL	2010 FEL	32.0128237	-103.8326173
	Nailed It Fed Com 243H	L2 36-26S-30E	676 FSL	2120 FEL	32.0020163	-103.8329603	NWSE 25-26S-30E	2465 FSL	2430 FEL	32.0128266	-103.8339724
	Nailed It Fed Com 246H	L2 36-26S-30E	676 FSL	2070 FEL	32.0020164	-103.8327990	NWSE 25-26S-30E	2465 FSL	1590 FEL	32.0128207	-103.8312623
E2E2 Pad (Slot 4)	Nailed It Fed Com 204H	L1 36-26S-30E	766 FSL	588 FEL	32.0022660	-103.8280170	NESE 25-26S-30E	2466 FSL	946 FEL	32.0128162	-103.8291846
	Nailed It Fed Com 208H	L1 36-26S-30E	766 FSL	563 FEL	32.0022660	-103.8279364	NESE 25-26S-30E	2466 FSL	331 FEL	32.0128119	-103.8272004
	Nailed It Fed Com 214H	L1 36-26S-30E	741 FSL	588 FEL	32.0021972	-103.8280170	NESE 25-26S-30E	2465 FSL	1254 FEL	32.0128184	-103.8301783
	Nailed It Fed Com 218H	L1 36-26S-30E	741 FSL	563 FEL	32.0021973	-103.8279363	NESE 25-26S-30E	2466 FSL	638 FEL	32.0128141	-103.8281909
	Nailed It Fed Com 224H	L1 36-26S-30E	766 FSL	668 FEL	32.0022659	-103.8282751	NESE 25-26S-30E	2466 FSL	750 FEL	32.0128149	-103.8285522
	Nailed It Fed Com 234H	L1 36-26S-30E	741 FSL	668 FEL	32.0021971	-103.8282750	NESE 25-26S-30E	2466 FSL	331 FEL	32.0128119	-103.8272004
	Nailed It Fed Com 236H	L1 36-26S-30E	766 FSL	693 FEL	32.0022658	-103.8283557	NESE 25-26S-30E	2465 FSL	1170 FEL	32.0128178	-103.8299072
	Nailed It Fed Com 244H	L1 36-26S-30E	741 FSL	693 FEL	32.0021971	-103.8283557	NESE 25-26S-30E	2466 FSL	750 FEL	32.0128149	-103.8285522

Approval Date: 02/27/2020

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The 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 cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

OR

If the entire project is covered under the Permian Basin Programmatic Agreement (cultural resources only):

The proponent has contributed funds commensurate to the undertaking into an account for offsite mitigation. Participation in the PA serves as mitigation for the effects of this project on cultural resources. If any human skeletal remains, funerary objects, sacred objects, or objects of cultural patrimony are discovered at any time during construction, all construction activities shall halt and the BLM will be notified as soon as possible within 24 hours. Work shall not resume until a Notice to Proceed is issued by the BLM. See information below discussing NAGPRA.

If the proposed project is split between a Class III inventory and a Permian Basin Programmatic Agreement contribution, the portion of the project covered under Class III inventory should default to the first paragraph stipulations.

The holder is hereby obligated to comply with procedures established in the Native American Graves Protection and Repatriation Act (NAGPRA) to protect such cultural items as human remains, associated funerary objects, sacred objects, and objects of cultural patrimony discovered inadvertently during the course of project implementation. In the event that any of the cultural items listed above are discovered during the course of project work, the proponent shall immediately halt the disturbance and contact the BLM within 24 hours for instructions. The proponent or initiator of any project shall be held responsible for protecting, evaluating, reporting, excavating, treating, and disposing of these cultural items according to the procedures established by the BLM in consultation with Indian Tribes."

Any paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The 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 cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

IV. NOXIOUS WEEDS

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

SPECIAL REQUIREMENT(S)

Cave/Karst:
Road Construction:

- Turnout ditches and drainage leadoffs will not be constructed in such a manner as to alter the natural flow of water into or out of cave or karst features.
- Special restoration stipulations or realignment may be required if subsurface features are discovered during construction.

CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road. Notify the Carlsbad Field Office at (575) 234-5909 at least 3 working days prior to commencing construction of the access road and/or well pad.

B. FEDERAL MINERAL MATERIALS PIT

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

C. ON LEASE ACCESS ROADS

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

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

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

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

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

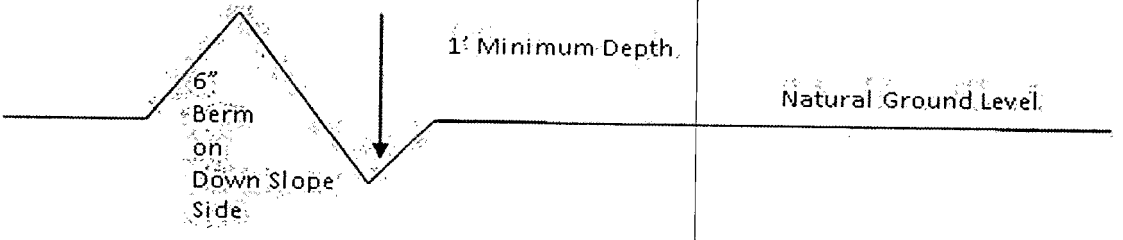
Ditching
Ditching shall be required on both sides of the road.

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

Drainage
Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

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

Cross Section of a Typical Lead-off Ditch



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

Formula for Spacing Interval of Lead-off Ditches

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

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

Cattle guards
An appropriately sized cattle guard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattle guards on the access road route shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattle guards that are in place and are utilized during lease operations.

Fence Requirement
Where entry is granted across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

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

Construction Steps

1. Salvage topsoil
2. Construct road
3. Redistribute topsoil
4. Revegetate slopes

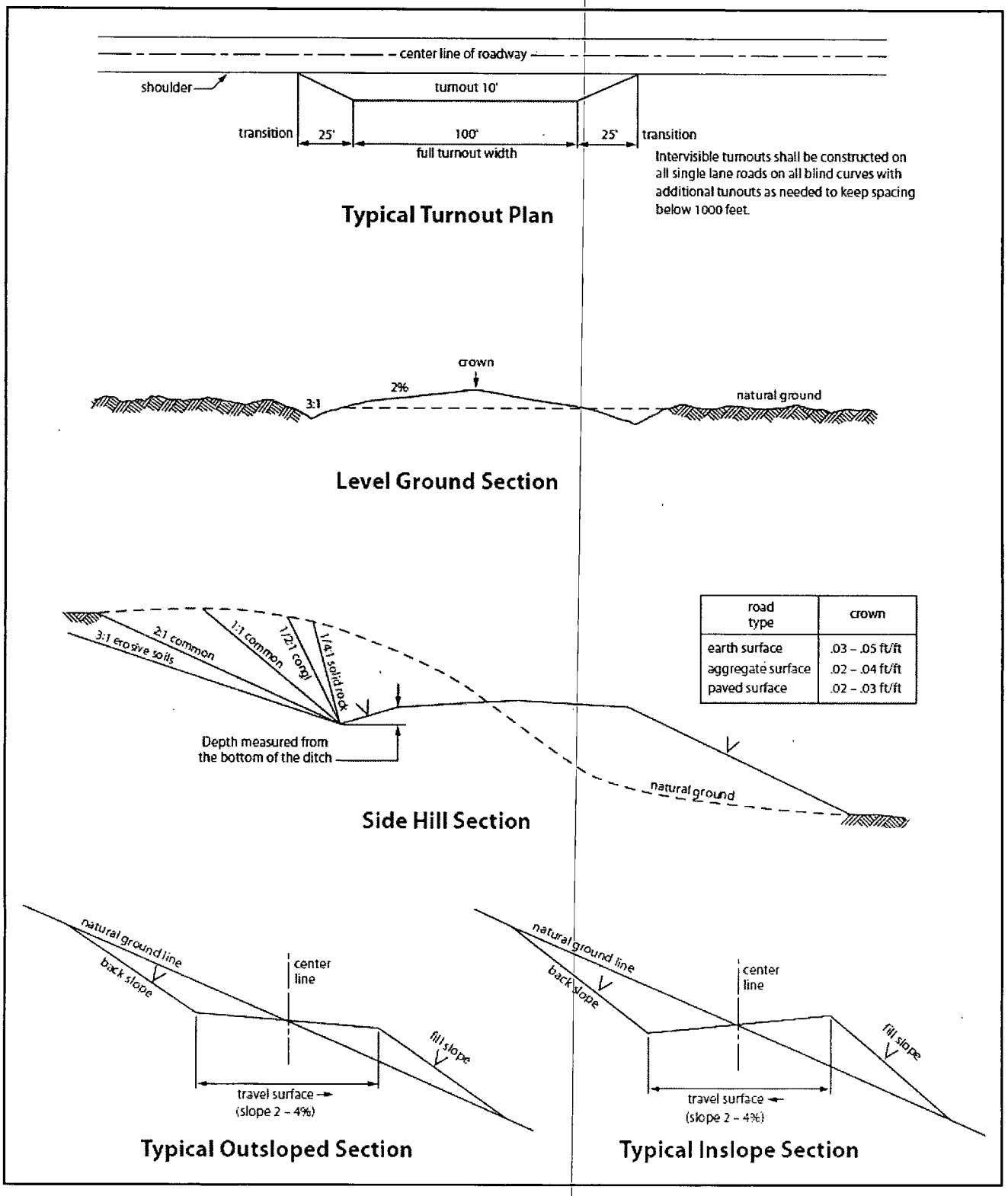


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

Seed Mixture 2, for Sandy Sites

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

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

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

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

*Pounds of pure live seed:

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

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Tap Rock Operating LLC
WELL NAME & NO.:	Nailed It Fed Com 235H
SURFACE HOLE FOOTAGE:	230 FSL / 1840 FWL
BOTTOM HOLE FOOTAGE	2465 FSL / 1870 FWL
LOCATION:	Sec 36 / 26S / 30E / NMP
COUNTY:	Eddy County, New Mexico

COA

H2S	○ Yes	◉ No	
Potash	◉ None	○ Secretary	○ R-111-P
Cave/Karst Potential	○ Low	○ Medium	◉ High
Cave/Karst Potential	○ Critical		
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	○ Conventional	◉ Multibowl	○ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☑ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☑ COM	☐ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately 920 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.

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

include the lead cement)

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

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

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

   - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

   ❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

3. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

   - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

   ❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

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

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

C. PRESSURE CONTROL

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

2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

   a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

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

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

☒ Eddy County
Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.

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

3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

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

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:

    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
    e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

    a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

    b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).

    c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for

the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

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

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

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

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

h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

AFMSS

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

Operator Certification Data Report

02/28/2020

Operator Certification

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

NAME: Brian Wood

Signed on: 08/29/2019

Title: President

Street Address: 37 Verano Looop

City: Santa Fe **State:** NM **Zip:** 87508

Phone: (505)466-8120

Email address: afmss@permitswest.com

Field Representative

Representative Name:

Street Address:

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

Phone: (505)466-8120

Email address: afmss@permitswest.com

AFMSS

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

Application Data Report

02/28/2020

APD ID: 10400048006 **Submission Date:** 10/21/2019

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Well Type: CONVENTIONAL GAS WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400048006 **Tie to previous NOS?** N **Submission Date:** 10/21/2019

BLM Office: CARLSBAD **User:** Brian Wood **Title:** President

Federal/Indian APD: FED **Is the first lease penetrated for production Federal or Indian?** FED

Lease number: NMNM138850 **Lease Acres:** 320

Surface access agreement in place? **Allotted?** **Reservation:**

Agreement in place? NO **Federal or Indian agreement:**

Agreement number:

Agreement name:

Keep application confidential? N

Permitting Agent? YES **APD Operator:** TAP ROCK OPERATING LLC

Operator letter of designation:

Operator Info

Operator Organization Name: TAP ROCK OPERATING LLC

Operator Address: 602 Park Point Drive Suite 200 **Zip:** 80401

Operator PO Box:

Operator City: Golden **State:** CO

Operator Phone: (720)460-3316

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO **Master Development Plan name:**

Well in Master SUPO? NO **Master SUPO name:**

Well in Master Drilling Plan? NO **Master Drilling Plan name:**

Well Name: NAILED IT FED COM **Well Number:** 235H **Well API Number:**

Field/Pool or Exploratory? Field and Pool **Field Name:** PURPLE SAGE WOLFCAMP **Pool Name:**

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

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

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

Describe other minerals: Salt

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

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** Nailed It Fed Com **Number:** Slot 2

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

Well Work Type: Drill

Well Type: CONVENTIONAL GAS WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 20 Miles **Distance to nearest well:** 25 FT **Distance to lease line:** 230 FT

Reservoir well spacing assigned acres Measurement: 289.2 Acres

Well plat: Nailed_235H_C102_GCP_101119_20191013103017.pdf

Well work start Date: 01/01/2020 **Duration:** 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: 11401 **Reference Datum:** GROUND LEVEL

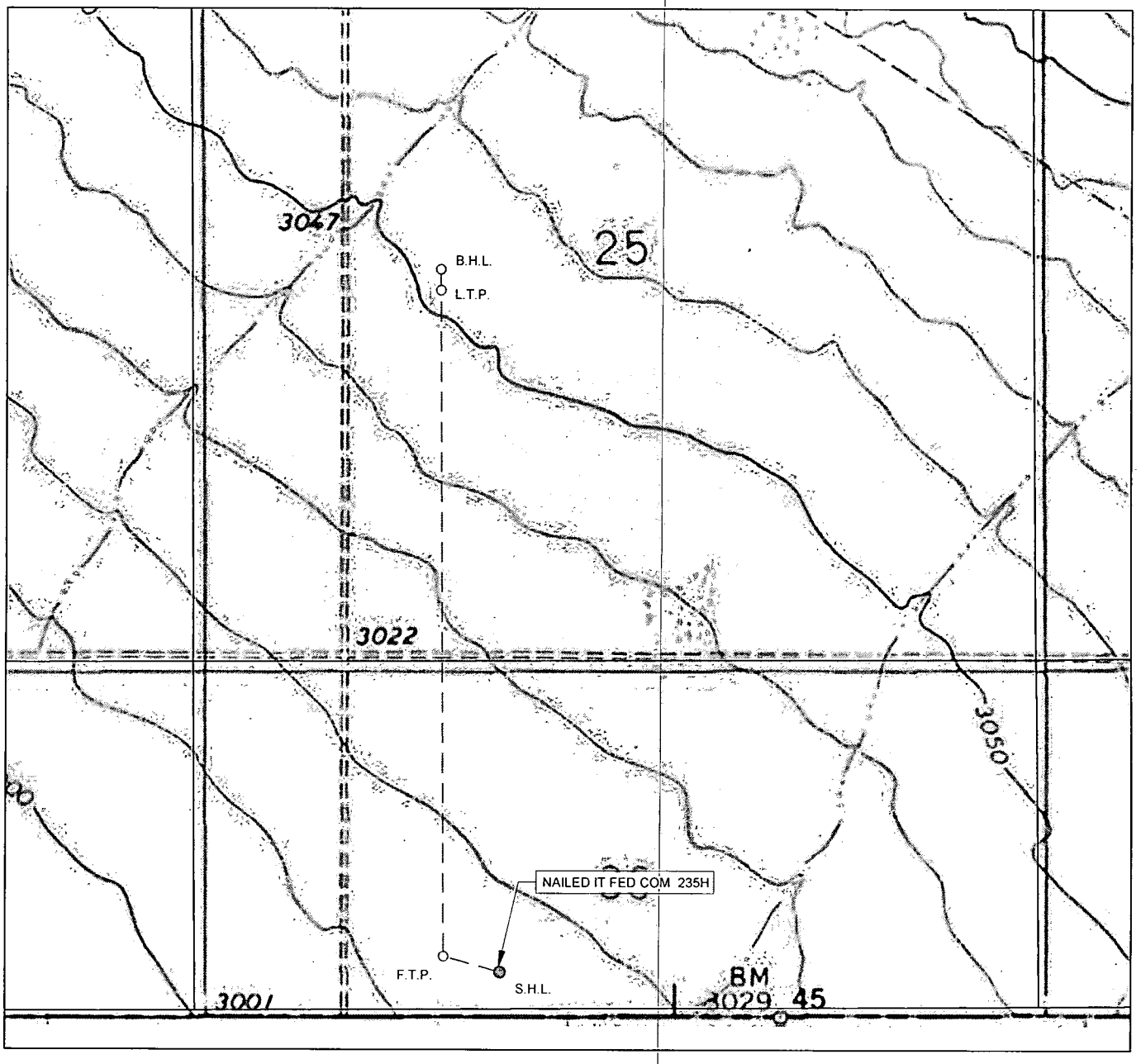
Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
SHL Leg #1	230	FSL	1945	FWL	26S	30E	36	Lot 3	32.0007877	-103.8370394	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	3017	0	0	Y
KOP Leg #1	19	FSL	1693	FWL	26S	30E	36	Lot 3	32.0002099	-103.8378523	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-8245	11271	11262	Y
PPP Leg #1-1	19	FSL	1693	FWL	26S	30E	35	Lot 3	32.0002099	-103.8378523	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-7716	10743	10733	Y

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
PPP Leg #1-2	820	FSL	1590	FWL	26S	30E	36	Aliquot NENW	32.002407	-103.838179	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-8819	12410	11836	Y
EXIT Leg #1	2464	FSL	1590	FWL	26S	30E	25	Aliquot NESW	32.0128355	-103.838966	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 138850	-8834	16200	11851	Y
BHL Leg #1	2464	FSL	1590	FWL	26S	30E	25	Aliquot NESW	32.0128355	-103.838966	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 138850	-8834	16200	11851	Y

LOCATION & ELEVATION VERIFICATION MAP



TAP ROCK

LEASE NAME & WELL NO.: NAILED IT FED COM 235H

SECTION 36 TWP 26-S RGE 30-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM ELEVATION 3017'
DESCRIPTION 230' FSL & 1945' FWL

LATITUDE N 32.0007877 LONGITUDE W 103.8370394

-N-

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

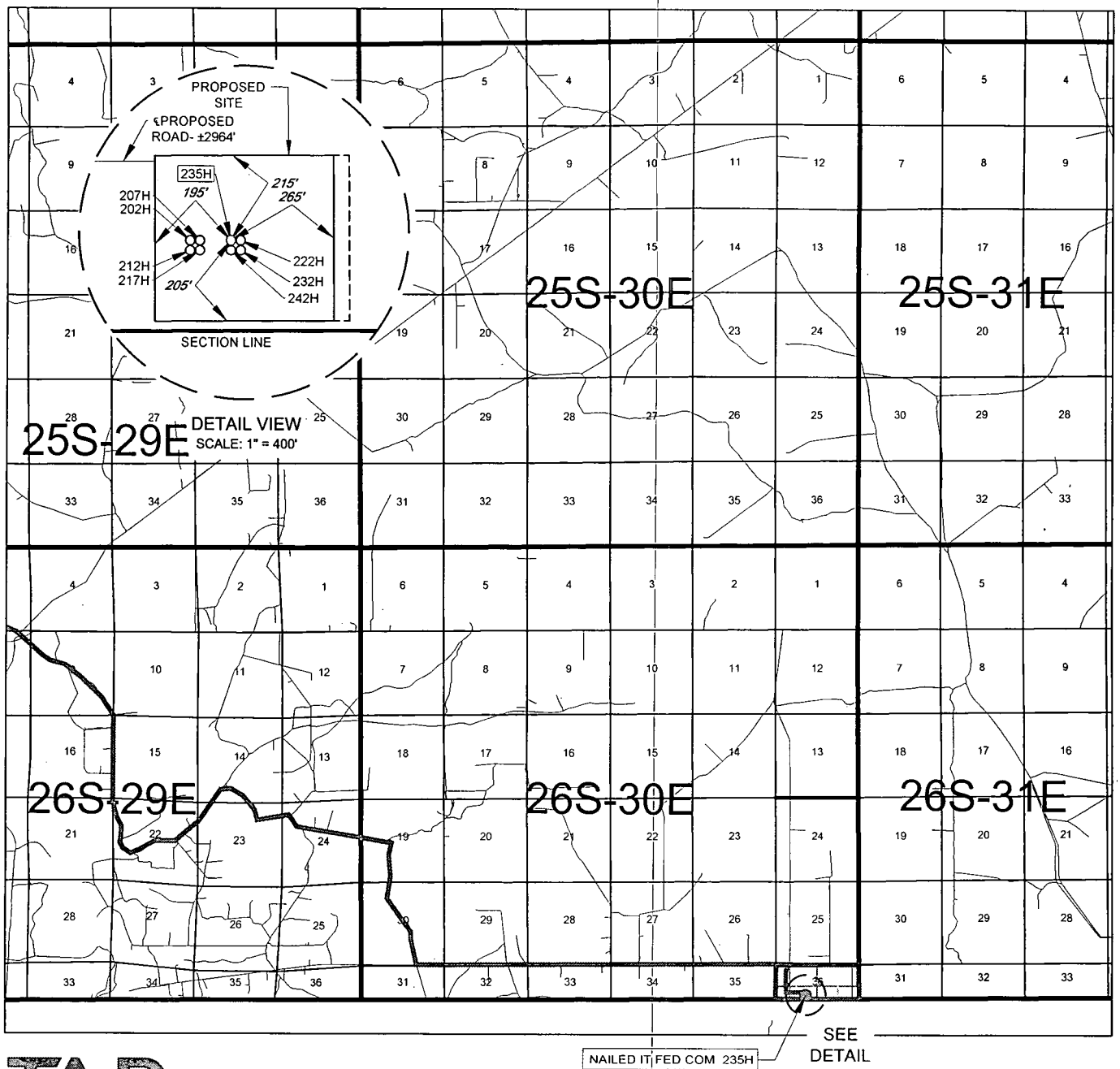
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM, EAST ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET.

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

EXHIBIT 2

VICINITY MAP



TAP ROCK

LEASE NAME & WELL NO.: NAILED IT FED COM 235H

SECTION 36 TWP 26-S RGE 30-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 230' FSL & 1945' FWL

DISTANCE & DIRECTION

FROM INT. OF US-285 & COUNTY RD 720, GO SOUTH ON US-285 ±12.6 MILES, THENCE NORTHEAST (LEFT) ON WHITEHORN RD. ±2.4 MILES, THENCE NORTH (LEFT) ON LONGHORN RD. ±6.6 MILES, THENCE SOUTHEAST (RIGHT) ON LONGHORN RD. ±4.0 MILES, THENCE EAST (LEFT) ON STATE LINE RD. ±4.4 MILES, THENCE SOUTH (RIGHT) ON A PROPOSED RD. ±2964 FEET TO A POINT ±279 FEET NORTH OF THE LOCATION.

-N-

SCALE: 1" = 10000'

0' 5000' 10000'

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WWW.TOPOGRAPHIC.COM

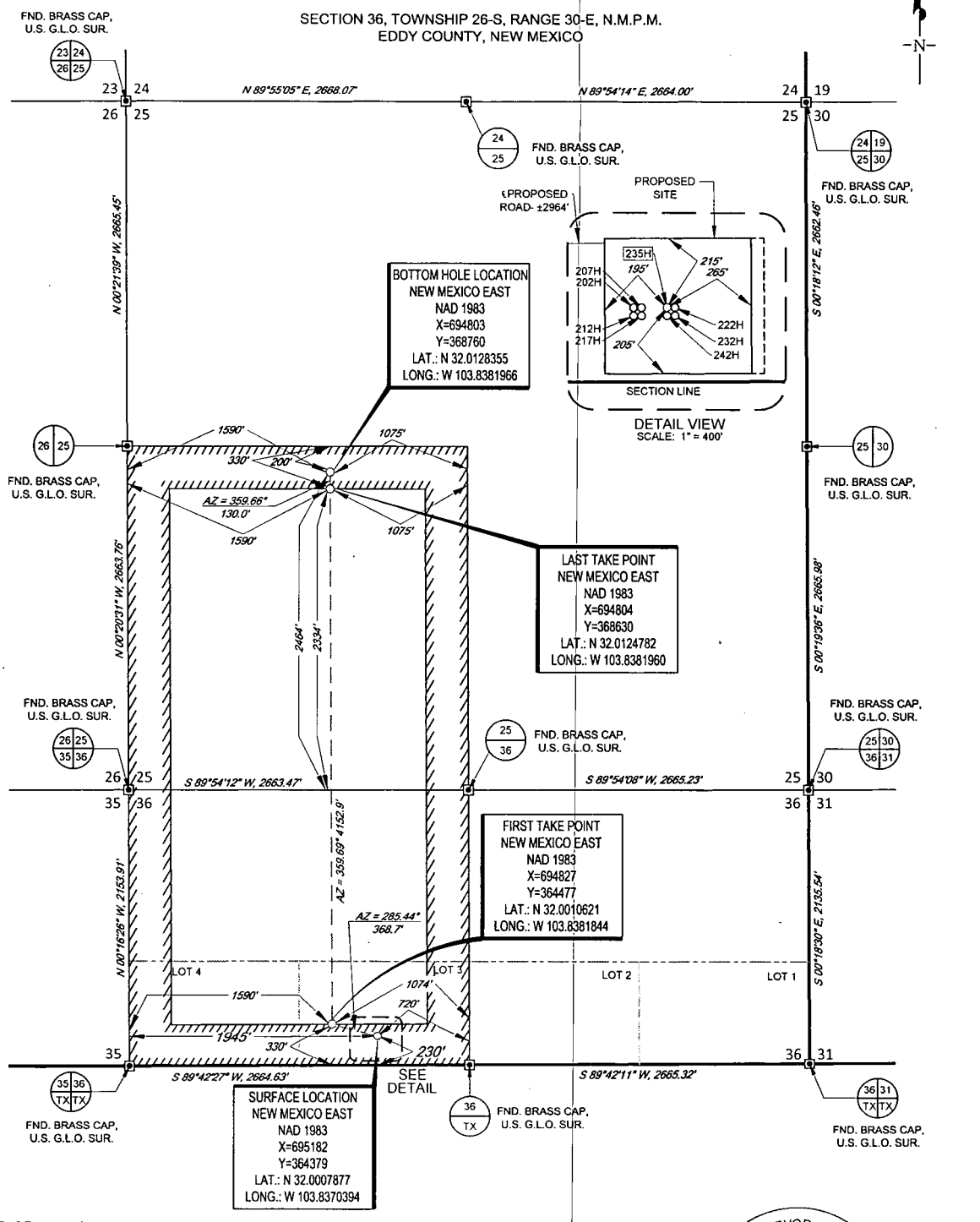
SCALE: 1" = 1000'

0' 500' 1000'

TAP ROCK

EXHIBIT 2A

SECTION 36, TOWNSHIP 26-S, RANGE 30-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: NAILED IT FED COM 235H

SECTION 36 TWP 26-S RGE 30-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 230' FSL & 1945' FWL

DISTANCE & DIRECTION

FROM INT. OF US-285 & COUNTY RD 720, GO SOUTH ON US-285 ±12.6 MILES, THENCE NORTHEAST (LEFT) ON WHITEHORN RD. ±2.4 MILES, THENCE NORTH (LEFT) ON LONGHORN RD. ±6.6 MILES, THENCE SOUTHEAST (RIGHT) ON LONGHORN RD. ±4.0 MILES, THENCE EAST (LEFT) ON STATE LINE RD. ±4.4 MILES, THENCE SOUTH (RIGHT) ON A PROPOSED RD. ±2964 FEET TO A POINT ±279 FEET NORTH OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM, EAST ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET

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JOHN TREVOR CARNEGIE
NEW MEXICO
11401
REGISTERED PROFESSIONAL SURVEYOR

John Trevor Carnegie, P.S. No. 11401
AUGUST 14, 2019

TOPOGRAPHIC
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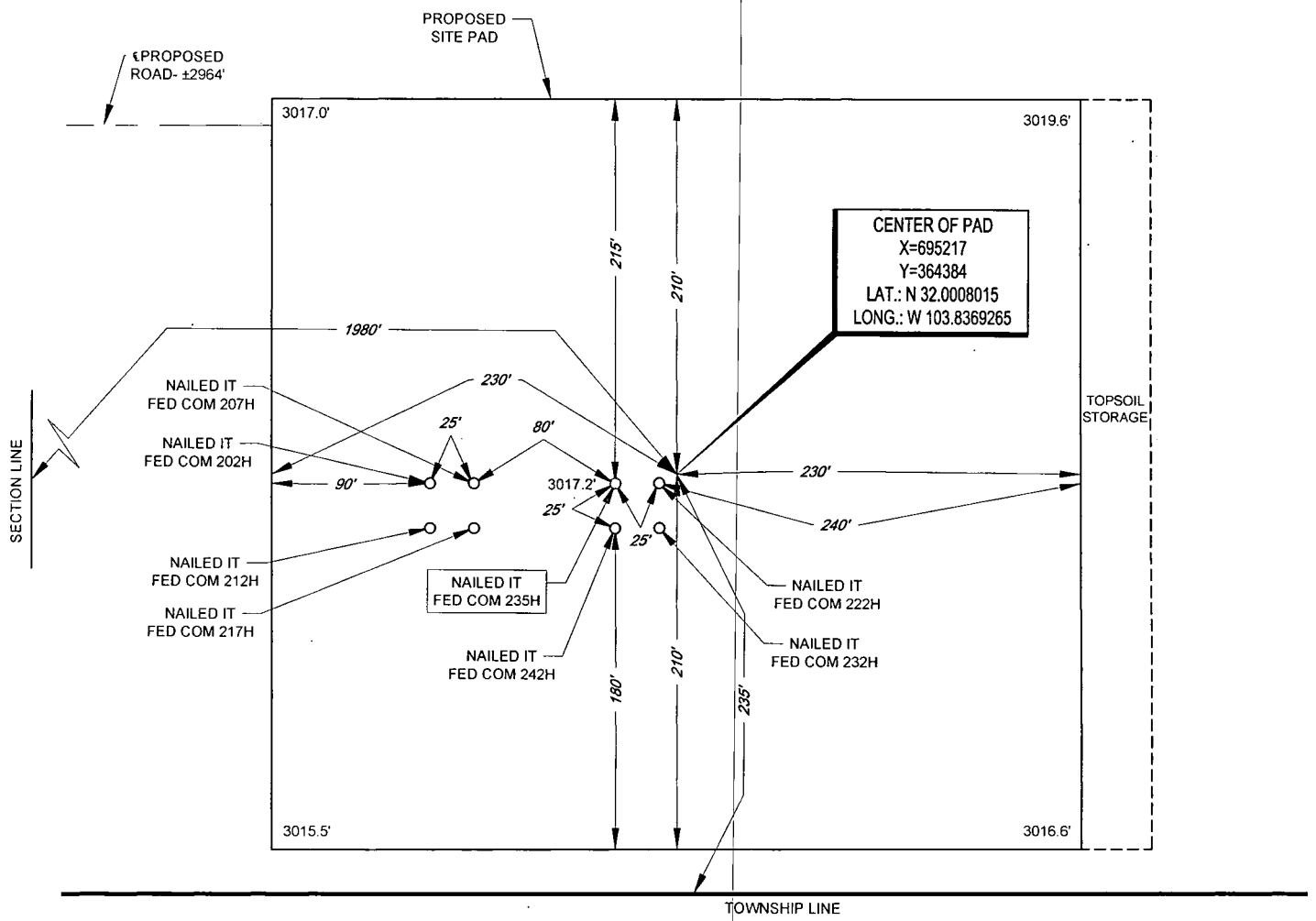
EXHIBIT 2B

TAP ROCK

SECTION 36, TOWNSHIP 26-S, RANGE 30-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: NAILED IT FED COM 235H

235H LATITUDE N 32.0007877 235H LONGITUDE W 103.8370394

CENTER OF PAD IS 235' FSL & 1980' FWL

N

SCALE: 1" = 100'

0' 50' 100'

JOHN TREVOR CARNEGIE
NEW MEXICO
11401
REGISTERED PROFESSIONAL SURVEYOR

John Trevor Carnegie, P.S. No. 11401

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
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TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
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APD ID: 10400048006 **Submission Date:** 10/21/2019

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Well Type: CONVENTIONAL GAS WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
546484	QUATERNARY	3017	0	0	OTHER : None	NONE	N
546485	RUSTLER	2184	833	833	ANHYDRITE	OTHER : Salt	N
546486	SALADO	1634	1383	1383	SALT	OTHER : Salt	N
546487	BASE OF SALT	-406	3423	3425	SALT	OTHER : Salt	N
546488	LAMAR	-616	3633	3635	LIMESTONE	NONE	N
546489	BELL CANYON	-636	3653	3656	SANDSTONE	NATURAL GAS, OIL	N
546490	CHERRY CANYON	-1786	4803	4808	SANDSTONE	NATURAL GAS, OIL	N
546491	BRUSHY CANYON	-2736	5753	5759	SANDSTONE	NATURAL GAS, OIL	N
546492	BONE SPRING	-4486	7503	7513	LIMESTONE	NATURAL GAS, OIL	N
546493	BONE SPRING 1ST	-5431	8448	8457	SANDSTONE	NATURAL GAS, OIL	N
546494	BONE SPRING 2ND	-5781	8798	8807	SANDSTONE	NATURAL GAS, OIL	N
546495	BONE SPRING 3RD	-6666	9683	9693	SANDSTONE	NATURAL GAS, OIL	N
546496	WOLFCAMP	-7716	10733	10743	OTHER : Shale	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Pressure Rating (PSI): 5M **Rating Depth:** 15000

Equipment: A 15,000 a 5,000 psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and 1 annular preventer will be used below surface casing to TD. See attachments for BOP and choke manifold diagrams. Also present will be an accumulator that meets the requirements of Onshore Order #2 for the pressure rating of the BOP stack. A rotating head will also be installed as needed. BOP will be inspected and operated as recommended in Onshore Order #2. A top drive check valve and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position. The wellhead will be a multi-bowl speed head.

Requesting Variance? YES

Variance request: Tap Rock requests a variance to run a multi-bowl speed head for setting the Intermediate 1, Intermediate 2, and Production Strings. Tap Rock requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. In the event the specific hose is not available, one of equal or higher rating will be used. Tap Rock requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, after drilling surface, 1st intermediate, and 2nd intermediate hole sections and cementing 2 nd intermediate casing, a 10M dry hole cap with bleed off valve will be installed. The rig will then walk to another well on the pad. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test. Tap Rock requests a variance to run 7-5/8 BTC casing inside 9-5/8 BTC casing will be less than the 0.422 stand off regulation. Through conversations with BLM representatives, Tap Rock has received approval for this design as long as the 7-5/8 flush casing was run throughout the entire 300 cement tie back section between 9-5/8 and 7-5/8 casing. Tap Rock requests approval to possibly utilize a spudder rig to drill and set casing for the surface interval on this well. The spudder rig will be possibly utilized in order to reduce cost and save time. The wellhead will be installed and tested as soon as the surface casing is cut off per the existing COAs. A blind flange with the same pressure rating as the wellhead will be installed on the well. Once the spudder rig is removed, Tap Rock will secure the wellhead area by placing a guard rail around the cellar. Pressure will be monitored and a means for intervention will be maintained while the drilling rig is not over the well. Spudder rig operations are expected to take 2-3 days per well. Three wells on the pad will have surface casing set by the spudder rig as a part of this operation. The BLM will be notified 24 hours prior to commencing spudder rig operations. Within 90 days of the departure of the spudder rig, drilling operations will recommence on these wells. This rig will have a BOP stack equal or greater to the pressure rating required in the COAs. The BLM will be notified 24 hours before the larger rig moves on the pre-set wells. Tap Rock will have supervision on the spudder rig to ensure compliance with all BLM and NMOCD regulations.

Testing Procedure: After surface casing is set and the BOP is nippled up, the BOP pressure tests will be made with a third party tester to 250 psi low, 5000 psi high, and the annular preventer will be tested to 2,500 psi. The BOP will be tested in this manner after nipple-up if any break of the stack occurs.

Choke Diagram Attachment:

Nailed_Choke_032918_20190925124216.pdf

BOP Diagram Attachment:

BOP_Diagram_101619_20191021102320.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	920	0	920	3017	2097	920	J-55	54.5	BUTT	1.13	1.15	DRY	1.6	DRY	1.6
2	INTERMEDIATE	8.75	7.625	NEW	API	N	0	3400	0	3397	3009	-380	3400	P-110	29.7	BUTT	1.13	1.15	DRY	1.6	DRY	1.6
3	INTERMEDIATE	12.25	9.625	NEW	API	N	0	3700	0	3697	3009	-680	3700	J-55	40	BUTT	1.13	1.15	DRY	1.6	DRY	1.6
4	PRODUCTION	6.75	5.5	NEW	API	N	0	10950	0	10941	3009	-7924	10950	P-110	20	OTHER - TXP	1.13	1.15	DRY	1.6	DRY	1.6
5	INTERMEDIATE	8.75	7.625	NEW	API	Y	3400	11150	3397	11141	-379	-8124	7750	P-110	29.7	OTHER - W-513	1.13	1.15	DRY	1.6	DRY	1.6
6	PRODUCTION	6.75	5.0	NEW	API	Y	10950	16200	10941	11851	-7924	-8834	5250	P-110	18	OTHER - W-521	1.13	1.13	DRY	1.6	DRY	1.6

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Nailed_Casing_Design_Assumptions_20190925124246.pdf

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Casing Attachments

Casing ID: 2 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Nailed_Casing_Design_Assumptions_20190925124320.pdf

Casing ID: 3 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Nailed_Casing_Design_Assumptions_20190925124300.pdf

Casing ID: 4 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Nailed_Casing_Design_Assumptions_20190925124426.pdf

Nailed_5.5in_TXP_Casing_Spec_20190925124431.PDF

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Casing Attachments

Casing ID: 5 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Nailed_7.625in_W513_Casing_Spec_20190925124346.pdf

Casing Design Assumptions and Worksheet(s):

Nailed_Casing_Design_Assumptions_20190925124354.pdf

Casing ID: 6 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Nailed_5in_W521_Casing_Spec_20190925124513.pdf

Casing Design Assumptions and Worksheet(s):

Nailed_Casing_Design_Assumptions_20190925124519.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	0	0	0	0	0	0	None	0
PRODUCTION	Tail		10650	16200	455	1.71	14.2	778	25	Class H	Fluid Loss + Dispersant + Retarder + LCM
INTERMEDIATE	Lead		0	0	0	0	0	0	0	None	None
PRODUCTION	Lead		0	0	0	0	0	0	0	None	None

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	552	426	1.8	13.5	767	100	Class C	None
SURFACE	Tail		552	920	379	1.35	14.8	511	100	Class C	5% NCI + LCM
INTERMEDIATE	Lead		0	2960	702	2.18	12.7	1529	65	Class C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
INTERMEDIATE	Tail		2960	3700	287	1.33	14.8	382	65	Class C	5% NaCl + LCM
INTERMEDIATE	Lead		3400	10150	319	2.87	11.5	916	35	TXI	Fluid Loss + Dispersant + Retarder + LCM
INTERMEDIATE	Tail		10150	11150	107	1.27	15	136	35	Class H	Fluid Loss + Dispersant + Retarder + LCM

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: All necessary mud products (e. g., barite, cedar bark) for weight addition and fluid loss control will always be on site. Mud program is subject to change due to hole conditions.

Describe the mud monitoring system utilized: Electronic Pason mud monitor system complying with Onshore Order 1 will be used.

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	920	OTHER : Fresh water spud mud	8.3	8.3							
920	3700	OTHER : Brine Water	10	10							
3700	11150	OTHER : Fresh water/cut brine	9	9							

Tap Rock Resources

Eddy Co, NM
Nailed It Fed Com
235H

OH

Plan: Plan #1

Standard Planning Report

04 September, 2019

Project	Eddy Co, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Nailed It Fed Com				
Site Position:		Northing:	364,379.32 usft	Latitude:	32° 0' 2.836 N
From:	Lat/Long	Easting:	695,207.24 usft	Longitude:	103° 50' 13.051 W
Position Uncertainty:	2.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.26 °

Well	235H					
Well Position	+N/-S	-0.2 usft	Northing:	364,379.17 usft	Latitude:	32° 0' 2.836 N
	+E/-W	-25.0 usft	Easting:	695,182.23 usft	Longitude:	103° 50' 13.342 W
Position Uncertainty		2.0 usft	Wellhead Elevation:		Ground Level:	3,017.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/3/2019	6.82	59.79	47,553.71040080

Design	Plan #1				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.69

Plan Survey Tool Program Date 9/4/2019

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	16,198.3	Plan #1 (OH)	MWD	
				MWD - Standard	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,133.3	3.50	230.00	2,133.2	-4.6	-5.5	1.50	1.50	0.00	230.00	
7,283.3	3.50	230.00	7,273.6	-206.7	-246.3	0.00	0.00	0.00	0.00	
7,516.7	0.00	0.00	7,506.8	-211.3	-251.8	1.50	-1.50	0.00	180.00	
11,271.9	0.00	0.00	11,262.0	-211.3	-251.8	0.00	0.00	0.00	0.00	
12,169.3	89.76	351.40	11,834.8	352.7	-337.1	10.00	10.00	0.00	351.40	
12,445.6	89.76	359.69	11,836.0	628.0	-358.5	3.00	0.00	3.00	90.00	
16,068.7	89.76	359.69	11,851.0	4,251.1	-378.0	0.00	0.00	0.00	0.00	LTP_235H
16,198.7	89.76	359.69	11,851.5	4,381.0	-378.7	0.00	0.00	0.00	0.00	PBHL_235H

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
833.0	0.00	0.00	833.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler Anhydrite									
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,383.0	0.00	0.00	1,383.0	0.0	0.0	0.0	0.00	0.00	0.00
Top Salt									
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.50									
2,000.0	1.50	230.00	2,000.0	-0.8	-1.0	-0.8	1.50	1.50	0.00
2,100.0	3.00	230.00	2,099.9	-3.4	-4.0	-3.3	1.50	1.50	0.00
2,133.3	3.50	230.00	2,133.2	-4.6	-5.5	-4.5	1.50	1.50	0.00
Start 5150.0 hold at 2133.3 MD									
2,200.0	3.50	230.00	2,199.7	-7.2	-8.6	-7.1	0.00	0.00	0.00
2,300.0	3.50	230.00	2,299.5	-11.1	-13.3	-11.0	0.00	0.00	0.00
2,400.0	3.50	230.00	2,399.4	-15.0	-17.9	-14.9	0.00	0.00	0.00
2,500.0	3.50	230.00	2,499.2	-19.0	-22.6	-18.8	0.00	0.00	0.00
2,600.0	3.50	230.00	2,599.0	-22.9	-27.3	-22.7	0.00	0.00	0.00
2,700.0	3.50	230.00	2,698.8	-26.8	-32.0	-26.6	0.00	0.00	0.00
2,800.0	3.50	230.00	2,798.6	-30.7	-36.6	-30.5	0.00	0.00	0.00
2,900.0	3.50	230.00	2,898.4	-34.7	-41.3	-34.4	0.00	0.00	0.00
3,000.0	3.50	230.00	2,998.2	-38.6	-46.0	-38.3	0.00	0.00	0.00
3,100.0	3.50	230.00	3,098.1	-42.5	-50.7	-42.2	0.00	0.00	0.00
3,200.0	3.50	230.00	3,197.9	-46.4	-55.3	-46.1	0.00	0.00	0.00
3,300.0	3.50	230.00	3,297.7	-50.4	-60.0	-50.0	0.00	0.00	0.00
3,400.0	3.50	230.00	3,397.5	-54.3	-64.7	-53.9	0.00	0.00	0.00
3,425.6	3.50	230.00	3,423.0	-55.3	-65.9	-54.9	0.00	0.00	0.00
Base Salt									
3,500.0	3.50	230.00	3,497.3	-58.2	-69.4	-57.8	0.00	0.00	0.00
3,600.0	3.50	230.00	3,597.1	-62.1	-74.0	-61.7	0.00	0.00	0.00
3,630.9	3.50	230.00	3,628.0	-63.3	-75.5	-62.9	0.00	0.00	0.00
Delaware Mountain Gp									
3,635.9	3.50	230.00	3,633.0	-63.5	-75.7	-63.1	0.00	0.00	0.00
Lamar									
3,656.0	3.50	230.00	3,653.0	-64.3	-76.7	-63.9	0.00	0.00	0.00
Bell Canyon									
3,671.0	3.50	230.00	3,668.0	-64.9	-77.4	-64.5	0.00	0.00	0.00
Ramsey Sand									
3,700.0	3.50	230.00	3,696.9	-66.1	-78.7	-65.6	0.00	0.00	0.00
3,800.0	3.50	230.00	3,796.7	-70.0	-83.4	-69.5	0.00	0.00	0.00
3,900.0	3.50	230.00	3,896.6	-73.9	-88.1	-73.4	0.00	0.00	0.00
4,000.0	3.50	230.00	3,996.4	-77.8	-92.8	-77.3	0.00	0.00	0.00
4,100.0	3.50	230.00	4,096.2	-81.8	-97.4	-81.2	0.00	0.00	0.00
4,200.0	3.50	230.00	4,196.0	-85.7	-102.1	-85.1	0.00	0.00	0.00
4,300.0	3.50	230.00	4,295.8	-89.6	-106.8	-89.0	0.00	0.00	0.00
4,400.0	3.50	230.00	4,395.6	-93.5	-111.5	-92.9	0.00	0.00	0.00
4,500.0	3.50	230.00	4,495.4	-97.5	-116.1	-96.8	0.00	0.00	0.00
4,600.0	3.50	230.00	4,595.3	-101.4	-120.8	-100.7	0.00	0.00	0.00
4,700.0	3.50	230.00	4,695.1	-105.3	-125.5	-104.6	0.00	0.00	0.00
4,800.0	3.50	230.00	4,794.9	-109.2	-130.2	-108.5	0.00	0.00	0.00

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,808.1	3.50	230.00	4,803.0	-109.5	-130.5	-108.8	0.00	0.00	0.00
Cherry Canyon									
4,900.0	3.50	230.00	4,894.7	-113.1	-134.8	-112.4	0.00	0.00	0.00
5,000.0	3.50	230.00	4,994.5	-117.1	-139.5	-116.3	0.00	0.00	0.00
5,100.0	3.50	230.00	5,094.3	-121.0	-144.2	-120.2	0.00	0.00	0.00
5,200.0	3.50	230.00	5,194.1	-124.9	-148.9	-124.1	0.00	0.00	0.00
5,300.0	3.50	230.00	5,293.9	-128.8	-153.5	-128.0	0.00	0.00	0.00
5,400.0	3.50	230.00	5,393.8	-132.8	-158.2	-131.9	0.00	0.00	0.00
5,500.0	3.50	230.00	5,493.6	-136.7	-162.9	-135.8	0.00	0.00	0.00
5,600.0	3.50	230.00	5,593.4	-140.6	-167.6	-139.7	0.00	0.00	0.00
5,700.0	3.50	230.00	5,693.2	-144.5	-172.3	-143.6	0.00	0.00	0.00
5,759.9	3.50	230.00	5,753.0	-146.9	-175.1	-145.9	0.00	0.00	0.00
Brushy Canyon									
5,800.0	3.50	230.00	5,793.0	-148.5	-176.9	-147.5	0.00	0.00	0.00
5,900.0	3.50	230.00	5,892.8	-152.4	-181.6	-151.4	0.00	0.00	0.00
6,000.0	3.50	230.00	5,992.6	-156.3	-186.3	-155.3	0.00	0.00	0.00
6,100.0	3.50	230.00	6,092.5	-160.2	-191.0	-159.2	0.00	0.00	0.00
6,200.0	3.50	230.00	6,192.3	-164.2	-195.6	-163.1	0.00	0.00	0.00
6,300.0	3.50	230.00	6,292.1	-168.1	-200.3	-167.0	0.00	0.00	0.00
6,400.0	3.50	230.00	6,391.9	-172.0	-205.0	-170.9	0.00	0.00	0.00
6,500.0	3.50	230.00	6,491.7	-175.9	-209.7	-174.8	0.00	0.00	0.00
6,600.0	3.50	230.00	6,591.5	-179.9	-214.3	-178.7	0.00	0.00	0.00
6,700.0	3.50	230.00	6,691.3	-183.8	-219.0	-182.6	0.00	0.00	0.00
6,800.0	3.50	230.00	6,791.2	-187.7	-223.7	-186.5	0.00	0.00	0.00
6,900.0	3.50	230.00	6,891.0	-191.6	-228.4	-190.4	0.00	0.00	0.00
7,000.0	3.50	230.00	6,990.8	-195.6	-233.1	-194.3	0.00	0.00	0.00
7,100.0	3.50	230.00	7,090.6	-199.5	-237.7	-198.2	0.00	0.00	0.00
7,200.0	3.50	230.00	7,190.4	-203.4	-242.4	-202.1	0.00	0.00	0.00
7,283.3	3.50	230.00	7,273.6	-206.7	-246.3	-205.3	0.00	0.00	0.00
Start Drop -1.50									
7,300.0	3.25	230.00	7,290.2	-207.3	-247.1	-206.0	1.50	-1.50	0.00
7,400.0	1.75	230.00	7,390.1	-210.1	-250.4	-208.7	1.50	-1.50	0.00
7,500.0	0.25	230.00	7,490.1	-211.2	-251.7	-209.9	1.50	-1.50	0.00
7,512.9	0.06	230.00	7,503.0	-211.3	-251.8	-209.9	1.50	-1.50	0.00
Bone Spring Lime									
7,516.7	0.00	0.00	7,506.8	-211.3	-251.8	-209.9	1.50	-1.50	0.00
Start 3755.2 hold at 7516.7 MD									
7,600.0	0.00	0.00	7,590.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
7,632.9	0.00	0.00	7,623.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
Upper Avalon									
7,700.0	0.00	0.00	7,690.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,790.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,890.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,990.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,017.9	0.00	0.00	8,008.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
Middle Avalon									
8,100.0	0.00	0.00	8,090.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,190.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,242.9	0.00	0.00	8,233.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
Lower Avalon									
8,300.0	0.00	0.00	8,290.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,390.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,457.9	0.00	0.00	8,448.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
1st Bone Spring Sand									
8,500.0	0.00	0.00	8,490.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,590.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,690.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,790.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
8,807.9	0.00	0.00	8,798.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
2nd Bone Spring Carb									
8,900.0	0.00	0.00	8,890.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,990.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
9,092.9	0.00	0.00	9,083.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
2nd Bone Spring Sand									
9,100.0	0.00	0.00	9,090.1	-211.3	-251.8	-209.9	0.00	0.00	0.00

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,200.0	0.00	0.00	9,190.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,290.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,390.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,490.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,590.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
9,692.9	0.00	0.00	9,683.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
3rd Bone Spring Carb									
9,700.0	0.00	0.00	9,690.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,790.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,890.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,000.0	0.00	0.00	9,990.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,100.0	0.00	0.00	10,090.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,200.0	0.00	0.00	10,190.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,300.0	0.00	0.00	10,290.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,352.9	0.00	0.00	10,343.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
3rd Bone Spring Sand									
10,400.0	0.00	0.00	10,390.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,500.0	0.00	0.00	10,490.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,600.0	0.00	0.00	10,590.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,652.9	0.00	0.00	10,643.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
3rd BS W Sand									
10,700.0	0.00	0.00	10,690.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,742.9	0.00	0.00	10,733.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
Wolfcamp A X Sand									
10,800.0	0.00	0.00	10,790.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,872.9	0.00	0.00	10,863.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
Wolfcamp A Y Sand									
10,900.0	0.00	0.00	10,890.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
10,962.9	0.00	0.00	10,953.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
Wolfcamp A Lower									
11,000.0	0.00	0.00	10,990.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
11,100.0	0.00	0.00	11,090.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
11,157.9	0.00	0.00	11,148.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
Wolfcamp B									
11,200.0	0.00	0.00	11,190.1	-211.3	-251.8	-209.9	0.00	0.00	0.00
11,271.9	0.00	0.00	11,262.0	-211.3	-251.8	-209.9	0.00	0.00	0.00
Start Build 10.00									
11,300.0	2.81	351.40	11,290.1	-210.6	-251.9	-209.2	10.00	10.00	0.00
11,350.0	7.81	351.40	11,339.9	-206.0	-252.6	-204.6	10.00	10.00	0.00
11,400.0	12.81	351.40	11,389.0	-197.1	-253.9	-195.8	10.00	10.00	0.00
11,450.0	17.82	351.40	11,437.2	-184.1	-255.9	-182.7	10.00	10.00	0.00
11,500.0	22.82	351.40	11,484.1	-166.9	-258.5	-165.5	10.00	10.00	0.00
11,509.7	23.78	351.40	11,493.0	-163.2	-259.0	-161.8	10.00	10.00	0.00
Wolfcamp B1									
11,550.0	27.82	351.40	11,529.3	-145.8	-261.7	-144.4	10.00	10.00	0.00
11,600.0	32.82	351.40	11,572.5	-120.9	-265.4	-119.4	10.00	10.00	0.00
11,650.0	37.82	351.40	11,613.2	-92.3	-269.8	-90.8	10.00	10.00	0.00
11,700.0	42.82	351.40	11,651.3	-60.3	-274.6	-58.8	10.00	10.00	0.00
11,750.0	47.82	351.40	11,686.5	-25.2	-279.9	-23.6	10.00	10.00	0.00
11,775.2	50.34	351.40	11,703.0	-6.3	-282.8	-4.8	10.00	10.00	0.00
Wolfcamp C									
11,800.0	52.82	351.40	11,718.4	12.9	-285.7	14.4	10.00	10.00	0.00
11,850.0	57.83	351.40	11,746.8	53.5	-291.8	55.1	10.00	10.00	0.00
11,900.0	62.83	351.40	11,771.6	96.5	-298.3	98.1	10.00	10.00	0.00
11,935.8	66.41	351.40	11,786.9	128.4	-303.1	130.1	10.00	10.00	0.00
FTP_235H									
11,950.0	67.83	351.40	11,792.5	141.4	-305.1	143.0	10.00	10.00	0.00
12,000.0	72.83	351.40	11,809.3	187.9	-312.1	189.6	10.00	10.00	0.00
12,050.0	77.83	351.40	11,821.9	235.7	-319.4	237.5	10.00	10.00	0.00
12,100.0	82.83	351.40	11,830.3	284.4	-326.7	286.2	10.00	10.00	0.00
12,150.0	87.83	351.40	11,834.4	333.7	-334.2	335.5	10.00	10.00	0.00
12,169.3	89.76	351.40	11,834.8	352.7	-337.1	354.6	10.00	10.00	0.00
Start DLS 3.00 TFO 90.00									
12,200.0	89.76	352.32	11,834.9	383.2	-341.4	385.0	3.00	0.00	3.00
12,300.0	89.76	355.32	11,835.3	482.6	-352.2	484.5	3.00	0.00	3.00

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,400.0	89.76	358.32	11,835.8	582.4	-357.7	584.3	3.00	0.00	3.00
12,445.6	89.76	359.69	11,836.0	628.0	-358.5	630.0	3.00	0.00	3.00
Start 3623.1 hold at 12445.6 MD									
12,500.0	89.76	359.69	11,836.2	682.4	-358.8	684.3	0.00	0.00	0.00
12,600.0	89.76	359.69	11,836.6	782.4	-359.3	784.3	0.00	0.00	0.00
12,700.0	89.76	359.69	11,837.0	882.4	-359.9	884.3	0.00	0.00	0.00
12,800.0	89.76	359.69	11,837.4	982.4	-360.4	984.3	0.00	0.00	0.00
12,900.0	89.76	359.69	11,837.8	1,082.4	-360.9	1,084.3	0.00	0.00	0.00
13,000.0	89.76	359.69	11,838.3	1,182.4	-361.5	1,184.3	0.00	0.00	0.00
13,100.0	89.76	359.69	11,838.7	1,282.4	-362.0	1,284.3	0.00	0.00	0.00
13,200.0	89.76	359.69	11,839.1	1,382.4	-362.6	1,384.3	0.00	0.00	0.00
13,300.0	89.76	359.69	11,839.5	1,482.4	-363.1	1,484.3	0.00	0.00	0.00
13,400.0	89.76	359.69	11,839.9	1,582.4	-363.6	1,584.3	0.00	0.00	0.00
13,500.0	89.76	359.69	11,840.3	1,682.4	-364.2	1,684.3	0.00	0.00	0.00
13,600.0	89.76	359.69	11,840.7	1,782.4	-364.7	1,784.3	0.00	0.00	0.00
13,700.0	89.76	359.69	11,841.2	1,882.4	-365.3	1,884.3	0.00	0.00	0.00
13,800.0	89.76	359.69	11,841.6	1,982.4	-365.8	1,984.3	0.00	0.00	0.00
13,900.0	89.76	359.69	11,842.0	2,082.4	-366.3	2,084.3	0.00	0.00	0.00
14,000.0	89.76	359.69	11,842.4	2,182.4	-366.9	2,184.3	0.00	0.00	0.00
14,100.0	89.76	359.69	11,842.8	2,282.4	-367.4	2,284.3	0.00	0.00	0.00
14,200.0	89.76	359.69	11,843.2	2,382.4	-367.9	2,384.3	0.00	0.00	0.00
14,300.0	89.76	359.69	11,843.7	2,482.4	-368.5	2,484.3	0.00	0.00	0.00
14,400.0	89.76	359.69	11,844.1	2,582.4	-369.0	2,584.3	0.00	0.00	0.00
14,500.0	89.76	359.69	11,844.5	2,682.4	-369.6	2,684.3	0.00	0.00	0.00
14,600.0	89.76	359.69	11,844.9	2,782.4	-370.1	2,784.3	0.00	0.00	0.00
14,700.0	89.76	359.69	11,845.3	2,882.4	-370.6	2,884.3	0.00	0.00	0.00
14,800.0	89.76	359.69	11,845.7	2,982.4	-371.2	2,984.3	0.00	0.00	0.00
14,900.0	89.76	359.69	11,846.1	3,082.3	-371.7	3,084.3	0.00	0.00	0.00
15,000.0	89.76	359.69	11,846.6	3,182.3	-372.3	3,184.3	0.00	0.00	0.00
15,100.0	89.76	359.69	11,847.0	3,282.3	-372.8	3,284.3	0.00	0.00	0.00
15,200.0	89.76	359.69	11,847.4	3,382.3	-373.3	3,384.3	0.00	0.00	0.00
15,300.0	89.76	359.69	11,847.8	3,482.3	-373.9	3,484.3	0.00	0.00	0.00
15,400.0	89.76	359.69	11,848.2	3,582.3	-374.4	3,584.3	0.00	0.00	0.00
15,500.0	89.76	359.69	11,848.6	3,682.3	-375.0	3,684.3	0.00	0.00	0.00
15,600.0	89.76	359.69	11,849.1	3,782.3	-375.5	3,784.3	0.00	0.00	0.00
15,700.0	89.76	359.69	11,849.5	3,882.3	-376.0	3,884.3	0.00	0.00	0.00
15,800.0	89.76	359.69	11,849.9	3,982.3	-376.6	3,984.3	0.00	0.00	0.00
15,900.0	89.76	359.69	11,850.3	4,082.3	-377.1	4,084.3	0.00	0.00	0.00
16,000.0	89.76	359.69	11,850.7	4,182.3	-377.6	4,184.3	0.00	0.00	0.00
16,068.7	89.76	359.69	11,851.0	4,251.1	-378.0	4,253.0	0.00	0.00	0.00
Start 130.0 hold at 16068.7 MD - LTP_235H									
16,100.0	89.76	359.69	11,851.1	4,282.3	-378.2	4,284.3	0.00	0.00	0.00
16,198.7	89.76	359.69	11,851.5	4,381.0	-378.7	4,383.0	0.00	0.00	0.00
TD at 16198.7 - PBHL_235H									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP_235H	0.00	0.00	11,835.0	98.2	-355.4	364,477.36	694,826.83	32° 0' 3.824 N	103° 50' 17.464 W
- plan misses target center by 77.2usft at 11935.8usft MD (11786.9 TVD, 128.4 N, -303.1 E)									
- Point									
LTP_235H	0.00	0.00	11,851.0	4,251.1	-378.0	368,630.23	694,804.21	32° 0' 44.922 N	103° 50' 17.506 W
- plan hits target center									
- Point									
PBHL_235H	0.00	0.00	11,851.5	4,381.0	-378.8	368,760.20	694,803.43	32° 0' 46.208 N	103° 50' 17.508 W
- plan misses target center by 0.1usft at 16198.7usft MD (11851.5 TVD, 4381.0 N, -378.7 E)									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
833.0	833.0	Rustler Anhydrite			
1,383.0	1,383.0	Top Salt			
3,425.6	3,423.0	Base Salt			
3,630.9	3,628.0	Delaware Mountain Gp			
3,635.9	3,633.0	Lamar			
3,656.0	3,653.0	Bell Canyon			
3,671.0	3,668.0	Ramsey Sand			
4,808.1	4,803.0	Cherry Canyon			
5,759.9	5,753.0	Brushy Canyon			
7,512.9	7,503.0	Bone Spring Lime			
7,632.9	7,623.0	Upper Avalon			
8,017.9	8,008.0	Middle Avalon			
8,242.9	8,233.0	Lower Avalon			
8,457.9	8,448.0	1st Bone Spring Sand			
8,807.9	8,798.0	2nd Bone Spring Carb			
9,092.9	9,083.0	2nd Bone Spring Sand			
9,692.9	9,683.0	3rd Bone Spring Carb			
10,352.9	10,343.0	3rd Bone Spring Sand			
10,652.9	10,643.0	3rd BS W Sand			
10,742.9	10,733.0	Wolfcamp A X Sand			
10,872.9	10,863.0	Wolfcamp A Y Sand			
10,962.9	10,953.0	Wolfcamp A Lower			
11,157.9	11,148.0	Wolfcamp B			
11,509.7	11,493.0	Wolfcamp B1			
11,775.2	11,703.0	Wolfcamp C			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,900.0	1,900.0	0.0	0.0	Start Build 1.50
2,133.3	2,133.2	-4.6	-5.5	Start 5150.0 hold at 2133.3 MD
7,283.3	7,273.6	-206.7	-246.3	Start Drop -1.50
7,516.7	7,506.8	-211.3	-251.8	Start 3755.2 hold at 7516.7 MD
11,271.9	11,262.0	-211.3	-251.8	Start Build 10.00
12,169.3	11,834.8	352.7	-337.1	Start DLS 3.00 TFO 90.00
12,445.6	11,836.0	628.0	-358.5	Start 3623.1 hold at 12445.6 MD
16,068.7	11,851.0	4,251.1	-378.0	Start 130.0 hold at 16068.7 MD
16,198.7	11,851.5	4,381.0	-378.7	TD at 16198.7

Hydrostatic Test Certificate

ContiTech

Certificate Number	COM Order Reference	Customer Name & Address
938562	938562	HELMERICH & PAYNE DRILLING CO 1434 SOUTH BOULDER AVE TULSA, OK 74119 USA
Customer Purchase Order No:	740043386	
Project: HOW		

Test Center Address	Accepted by COM Inspection	Accepted by Client Inspection
ContiTech Oil & Marine Corp. 11535 Brittmoore Park Drive Houston, TX 77041 USA	Signed: Roger Suarez Date: 3/13/17	

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

Item	Part No.	Description	Qnty	Serial Number	Work. Press.	Test Press.	Test Time (minutes)
20		RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	53631	10,000 psi	15,000 psi	60
30		RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	54500	10,000 psi	15,000 psi	60
40		RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	56838	10,000 psi	15,000 psi	60
50		RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	56489	10,000 psi	15,000 psi	60
60		RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	61475	10,000 psi	15,000 psi	60
80		RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	60197	10,000 psi	15,000 psi	60
90		RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	39474	10,000 psi	15,000 psi	60
100		RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	60887	10,000 psi	15,000 psi	60

Drilling Operations Plan
Nailed It Fed Com #235H
Tap Rock Operating, LLC
SHL 230' FSL & 1945' FWL, Sec. 36
BHL 2464' FSL & 1590' FWL, Sec. 25
T. 26S., R. 30E Eddy County, NM

Elevation above Sea Level: 3017'

DRILLING PROGRAM

1. **Estimated Tops**

Formation	TVD	MD	Lithologies	Bearing
Quaternary Deposits	0	0	Surface	None
Rustler Anhydrite	833	833		Salt
Salado	1383	1383	Salt	Salt
Base Salt	3423	3425		Salt
Lamar	3633	3635	Limestone	None
Bell Canyon	3653	3656	Sandstone	Hydrocarbons
Cherry Canyon	4803	4808	Sandstone	Hydrocarbons
Brushy Canyon	5753	5759	Sandstone	Hydrocarbons
Bone Spring	7503	7513	Limestone	Hydrocarbons
1st Bone Spring	8448	8457	Sandstone	Hydrocarbons
2nd Bone Spring	8798	8807	Sandstone	Hydrocarbons
3rd Bone Spring	9683	9693	Sandstone	Hydrocarbons
Wolfcamp	10733	10743	Shale	Hydrocarbons
KOP	11262	11271	Sandstone	Hydrocarbons
TD	11851	16200	Shale	Hydrocarbons

2. **Notable Zones**

Wolfcamp is the target formation.

3. **Pressure Control**

Pressure Control Equipment (See Schematics):
A 15,000', 5,000 psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and 1 annular preventer will be used below surface casing to TD. See attachments for BOP and choke manifold diagrams. Also present will be an accumulator that meets the requirements of Onshore Order #2 for the pressure rating of the BOP stack. A rotating head will also be installed as needed. BOP will be inspected and operated as recommended in Onshore Order #2. A top drive check valve and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position. The wellhead will be a multi-bowl speed head.

Drilling Operations Plan
Nailed It Fed Com #235H
Tap Rock Operating, LLC
SHL 230' FSL & 1945' FWL, Sec. 36
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T. 26S., R. 30E Eddy County, NM

BOP Test procedure will be as follows:
After surface casing is set and the BOP is nippled up, the BOP pressure tests will be made with a third party tester to 250 psi low, 5000 psi high, and the annular preventer will be tested to 2,500 psi. The BOP will be tested in this manner after nipple-up if any break of the stack occurs.

Variance Requests:
Tap Rock requests a variance to run a multi-bowl speed head for setting the Intermediate 1, Intermediate 2, and Production Strings. Tap Rock requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. In the event the specific hose is not available, one of equal or higher rating will be used. Tap Rock requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, after drilling surface, 1st intermediate, and 2nd intermediate hole sections and cementing 2nd intermediate casing, a 10M dry hole cap with bleed off valve will be installed. The rig will then walk to another well on the pad. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test. Tap Rock requests a variance to run 7-5/8" BTC casing inside 9-5/8" BTC casing will be less than the 0.422" stand off regulation. Through conversations with BLM representatives, Tap Rock has received approval for this design as long as the 7-5/8" flush casing was run throughout the entire 300' cement tie back section between 9-5/8" and 7-5/8" casing.

Tap Rock requests approval to possibly utilize a spudder rig to drill and set casing for the surface interval on this well. The spudder rig will be possibly utilized in order to reduce cost and save time. The wellhead will be installed and tested as soon as the surface casing is cut off per the existing COAs. A blind flange with the same pressure rating as the wellhead will be installed on the well. Once the spudder rig is removed, Tap Rock will secure the wellhead area by placing a guard rail around the cellar. Pressure will be monitored and a means for intervention will be maintained while the drilling rig is not over the well. Spudder rig operations are expected to take 2-3 days per well. Three wells on the pad will have surface casing set by the spudder rig as a part of this operation. The BLM will be notified 24 hours prior to commencing spudder rig operations. Within 90 days of the departure of the spudder rig, drilling operations will recommence on these wells. This rig will have a BOP stack equal or greater to the pressure rating required in the COAs. The BLM will be notified 24 hours before the larger rig moves on the pre-set wells. Tap Rock will have supervision on the spudder rig to ensure compliance with all BLM and NMOCD regulations.

Drilling Operations Plan
Nailed It Fed Com #235H
Tap Rock Operating, LLC
SHL 230' FSL & 1945' FWL, Sec. 36
BHL 2464' FSL & 1590' FWL, Sec. 25
T. 26S., R. 30E Eddy County, NM

4. Casing & Cement

All Casing will be new.

Section	Hole Size	Casing Size	Standard	Tapered	Top MD	Bottom MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	No	0	920	0	920	J-55	54.5	BUTT	1.13	1.15	1.6
1st Intermediate	12 1/4	9 5/8	API	No	0	3700	0	3697	J-55	40	BUTT	1.13	1.15	1.6
2nd Intermediate	8 3/4	7 5/8	API	No	0	3400	0	3397	P-110	29.7	BUTT	1.13	1.15	1.6
2nd Intermediate	8 3/4	7 5/8	NON API	Yes	3400	11150	3397	11141	P-110	29.7	W-513	1.13	1.15	1.6
Production	6 3/4	5 1/2	NON API	No	0	10950	0	10941	P-110	20	TXP	1.13	1.15	1.6
Production	6 3/4	5	NON API	Yes	10950	16200	10941	11851	P-110	18	W-521	1.13	1.15	1.6

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	426	1.8	767	13.5	100%	C	None
	Tail	552	379	1.35	511	14.8	100%	C	5% NCl + LCM
1st Intermediate	Lead	0	702	2.18	1529	12.7	65%	C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	2960	287	1.33	382	14.8	65%	C	5% NaCl + LCM
2nd Intermediate	Lead	3400	319	2.87	916	11.5	35%	TXI	Fluid Loss + Dispersant + Retarder + LCM
	Tail	10150	107	1.27	136	15	35%	H	Fluid Loss + Dispersant + Retarder + LCM
Production	Tail	10650	455	1.71	778	14.2	25%	H	Fluid Loss + Dispersant + Retarder + LCM

5. Mud Program

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	920	FW Spud Mud	8.30	28	NC
Intermediate	920	3700	Brine Water	10.00	30-32	NC
Intermediate 2	3700	11150	FW/Cut Brine	9.00	30-32	NC
Production	11150	16200	Oil Base Mud	13.00	15-20	<10

Electronic Pason mud monitor system complying with Onshore Order 1 will be used. All necessary mud products (e. g., barite, cedar bark) for weight addition and fluid loss control will always be on site. Mud program is subject to change due to hole conditions. A closed loop system will be used.

6. Cores, Tests, & Logs

- Electric Logging Program: No open-hole logs are planned at this time for the pilot hole.
- GR will be collected while drilling through the MWD tools from 9.625" casing shoe to TD.
- A 2-person mud logging program will be used from 9.625" casing shoe to TD.
- No DSTs or cores are planned at this time.
- CBL w/ CCL from as far as gravity will let it fall to TOC.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Maximum expected bottom hole pressure is ≈8,000 psi. Expected bottom hole temperature is ≈175° F.

Tap Rock does not anticipate that there will be enough H2S from the surface to the Wolfcamp formations to meet the BLM's Onshore Order 6 requirements for the submission of an "H2S Drilling Operation Plan" or "Public Protection Plan" for drilling and completing this well. Tap Rock has an H2S safety package on all wells and an "H2S Drilling Operations Plan" is attached. Adequate flare lines will be installed off the mud/gas separator where gas may be safely flared. All personnel will be familiar with all aspects of safe operation of equipment being used.

8. Other Information

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take 30 days. If production casing is run an additional 60 days will be required to complete and construct surface facilities.

SUPO Data Report
02/28/2020

APD ID: 10400048006
Submission Date: 10/21/2019
Operator Name: TAP ROCK OPERATING LLC
Well Name: NAILED IT FED COM
Well Number: 235H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Nailed_Existing_Roads_Map_012220_20200205110426.pdf

Existing Road Purpose: ACCESS

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

Nailed_New_Roads_Map_Plats_011720_20200205110502.pdf

New road type: LOCAL

Length: 4553.52 Feet **Width (ft.):** 30

Max slope (%): 0 **Max grade (%):** 1

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 24

New road access erosion control: Crowned and ditched

New road access plan or profile prepared? N

New road access plan attachment:

Access road engineering design? N

Access road engineering design attachment:

Turnout? N

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: Caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: Grader

Access other construction information: Pipelines that are crossed will be padded.

Access miscellaneous information:

Number of access turnouts: **Access turnout map:**

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: Crowned and ditched

Road Drainage Control Structures (DCS) description: None

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Nailed_Slot2_well_Map_v1_082119_20200205110650.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Production facilities will be located off-pad, on separate central tank battery (CTB) sites. The W2 Facility will service the W2W2 and E2W2 well pads while the E2 Facility will service the W2E2 and E2E2 well pads. The W2 facility (400 x 400) will be built 30 north of the W2W2 well pad. Topsoil will be piled north of the CTB. Flare and/or CBU will be set on the northwest corner while the tank battery and process equipment (e.g. separators, heater-treaters) will be on the east side of the CTB. The E2 facility (400 x 400) will be built 60 north of the E2E2 well pad. Topsoil will be piled north of the CTB. Flare and/or CBU will be set on the northeast corner while the tank battery and process equipment (e.g. separators, heater-treaters) will be on the west side of the CTB. Tap Rock will install 2,989.44 of 4 buried steel flowlines from the well pads to the two (2) CTBs. There is no powerline planned at this time.
Production Facilities map:

Nailed_Production_Facilities_011720_20200205110724.pdf

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: GW WELL

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

Source latitude: **Source longitude:**

Source datum:

Water source permit type: WATER WELL

Water source transport method: TRUCKING

Source land ownership: PRIVATE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 16000 **Source volume (acre-feet):** 2.06228954

Source volume (gal): 672000

Water source and transportation map:

Nailed_H2O_Source_Map_20200205110815.pdf

Water source comments: Fresh water will be trucked from an existing pond on private land in NW Section 3, Texas & Pacific Railroad Block 56, Loving County, Texas to each of the 4 well pads.
New water well? N

New Water Well Info

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: NM One Call (811) will be notified before construction starts. Top 6 of soil and brush will be stockpiled on a side of the well pads. Closed loop mud system will be used. Caliche will be hauled from existing caliche pits on private land in SENW Section 12, Texas & Pacific Railroad Block 57, Loving County, Texas.
Construction Materials source location attachment:

Nailed_Construction_Materials_20200205110845.pdf

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: Drill cuttings, mud, salts, and other chemicals

Amount of waste: 550 barrels

Waste disposal frequency : Daily

Safe containment description: Steel mud tanks

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE
Disposal type description: Fee Fee Fed - SUPO not required

Disposal location description: Mud tanks will be hauled to a state approved disposal site, e. g., Petro Waste Environmental LP at Orla, Texas. (Texas Railroad Commission permit number STF-0101, P012234, P012236.)

Waste type: GARBAGE

Waste content description: Trash

Amount of waste: 10 barrels

Waste disposal frequency : Daily

Safe containment description: Portable trash cage

Safe containmant attachment:

Waste disposal type: OTHER **Disposal location ownership:** OTHER

Disposal type description: Public

Disposal location description: Eddy County landfill

Waste type: SEWAGE

Waste content description: Black and grey water

Amount of waste: 5 barrels

Waste disposal frequency : Daily

Safe containment description: Plastic holding tanks and chemical toilets

Safe containmant attachment:

Waste disposal type: OTHER **Disposal location ownership:** OTHER

Disposal type description: Public

Disposal location description: Carlsbad wastewater treatment plant

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

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

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

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

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

Description of cuttings location Steel tanks on pad

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

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

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

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

Nailed_Slot2_Well_Site_Layout_101119_20200205111147.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: Nailed It Fed Com

Multiple Well Pad Number: Slot 2

Recontouring attachment:

Nailed_Slot2_Interim_Rec_010320_20200205111238.pdf

Nailed_Recontour_plats_All_Pads_20200205111320.pdf

Drainage/Erosion control construction: Crowned and ditched

Drainage/Erosion control reclamation: Harrowed on the contour

Well pad proposed disturbance (acres): 19.28
Road proposed disturbance (acres): 3.14
Powerline proposed disturbance (acres): 0
Pipeline proposed disturbance (acres): 2.06
Other proposed disturbance (acres): 8.08
Total proposed disturbance: 32.56

Well pad interim reclamation (acres): 1.84
Road interim reclamation (acres): 0
Powerline interim reclamation (acres): 0
Pipeline interim reclamation (acres): 2.06
Other interim reclamation (acres): 0
Total interim reclamation: 3.9000000000000004

Well pad long term disturbance (acres): 17.44
Road long term disturbance (acres): 3.14
Powerline long term disturbance (acres): 0
Pipeline long term disturbance (acres): 0
Other long term disturbance (acres): 8.08
Total long term disturbance: 28.660000000000004

Disturbance Comments:

Reconstruction method: Interim reclamation will be completed within 6 months of completing the last well on the pad. Interim reclamation will consist of shrinking the 4 well pads by removing caliche and reclaiming portions of each pad. Disturbed areas will be contoured to match pre-construction grades.
Topsoil redistribution: Soil and brush will be evenly spread over disturbed areas and harrowed on the contour. Disturbed areas will be seeded in accordance with the landowners requirements. Stockpiled topsoil will be retained on one edge of each well pad. This soil will be used to cover the remainder of the pads when the wells are plugged and the pads reclaimed. Once the last well is plugged, the rest of the pad and associated roads will be similarly reclaimed within 6 months of plugging. Noxious weeds will be controlled.

Soil treatment: None

Existing Vegetation at the well pad: Mesquite and/or Creosote bush

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Mesquite and/or Creosote bush

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Mesquite and/or Creosote bush

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: Mesquite and/or Creosote bush

Existing Vegetation Community at other disturbances attachment:

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed Summary	
Seed Type	Pounds/Acre

Total pounds/Acre:

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: **Last Name:**

Phone: **Email:**

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: To BLM standards

Weed treatment plan attachment:

Monitoring plan description: To BLM standards

Monitoring plan attachment:

Success standards: To BLM satisfaction

Pit closure description: No pit

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: SANTA FE

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: SANTA FE

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: SANTA FE

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Disturbance type: PIPELINE

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: SANTA FE

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: OTHER

Describe: Central Tank Battery

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: SANTA FE

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: TAP ROCK OPERATING LLC

Well Name: NAILED IT FED COM **Well Number:** 235H

Section 12 - Other Information

Right of Way needed? N **Use APD as ROW?**

ROW Type(s):

ROW Applications

SUPO Additional Information: All well pads will be on New Mexico State Lands. Only a small ~50 segment of road will be constructed on BLM lands.
Use a previously conducted onsite? N

Previous Onsite information:

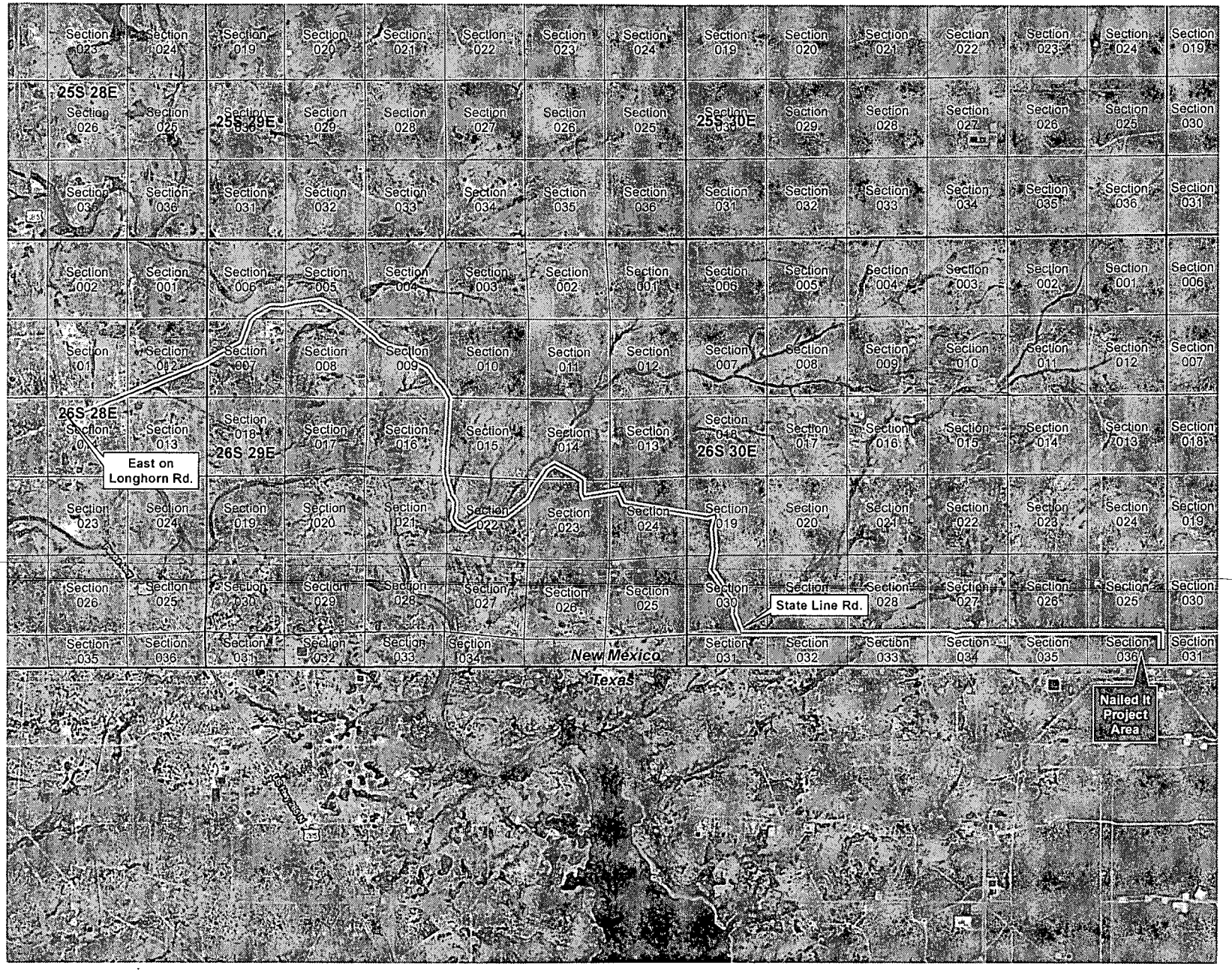
Other SUPO Attachment

Nailed_SUPO_20200205111535.pdf

Tap Rock Operating, LLC

Proposed Nailed It Fed Com Drive Map

Eddy County, New Mexico



Tap Rock Operating, LLC

Nailed It Fed Com
Plan of Development Map

Sec. 36, Township 26S, Range 30E
Eddy County, New Mexico

- Proposed Flowline
- Proposed Road
- State Trust Lands
- BLM Lands
- Private Lands

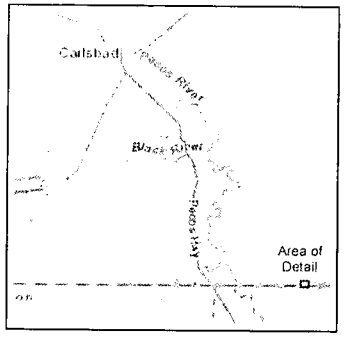
1:5,000

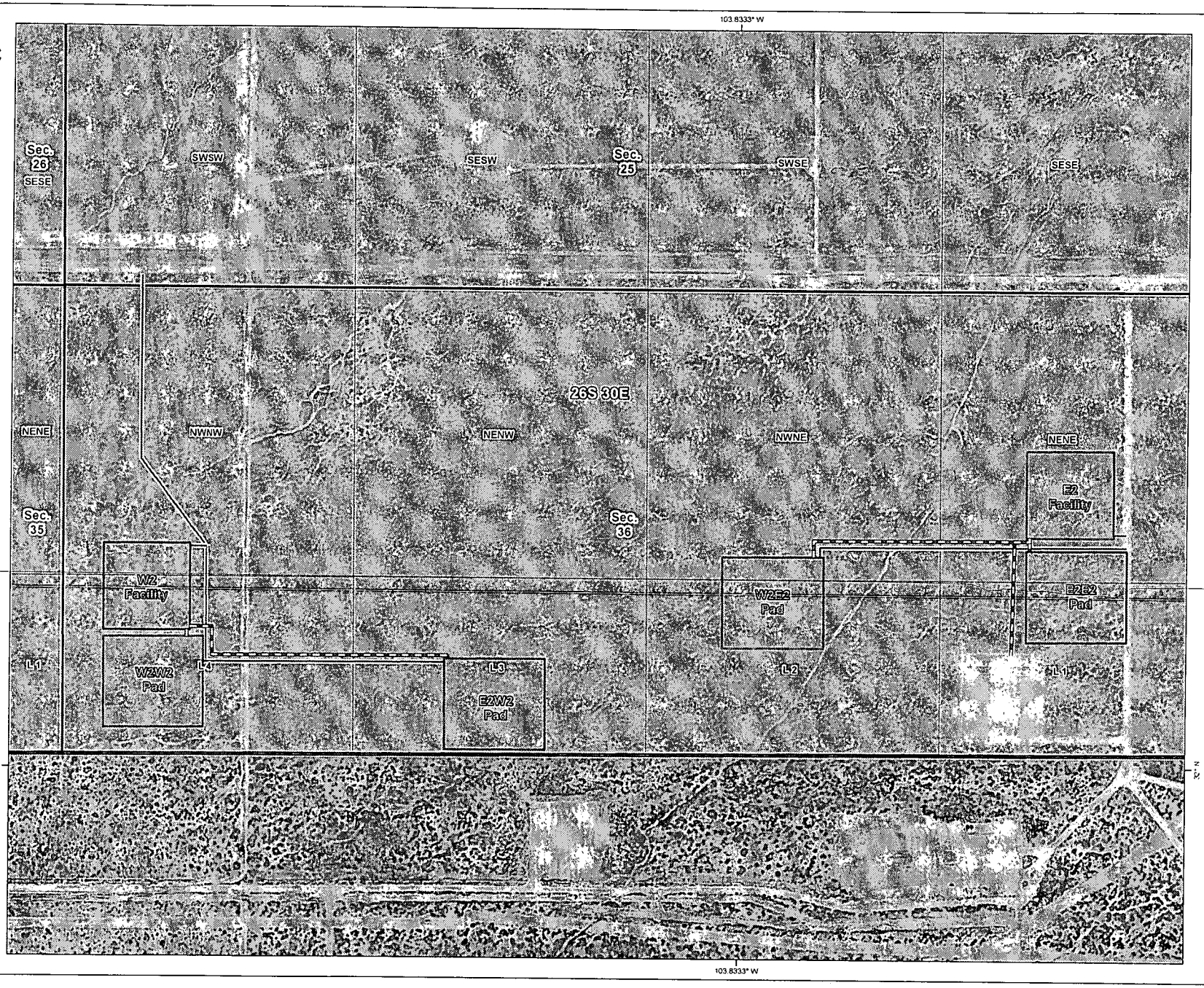
0 500 1,000
Feet

NAD 1983 New Mexico State Plane East
FIPS 3001 Feet

PERMITS WEST, INC.

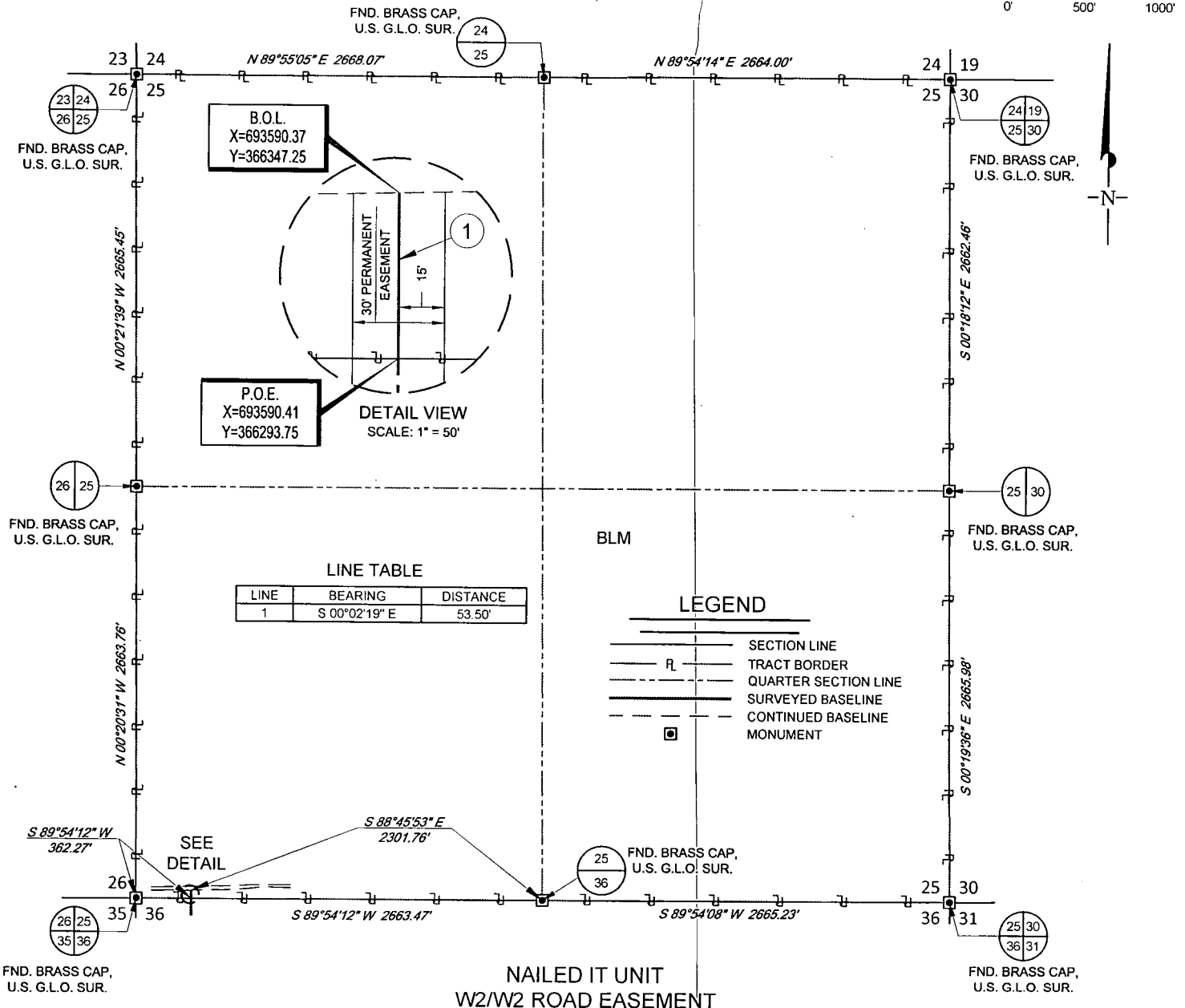
Prepared by Permits West, Inc., August 28, 2019
for Tap Rock Operating, LLC





SECTION 25, TOWNSHIP 26-S, RANGE 30-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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



LINE TABLE

LINE	BEARING	DISTANCE
1	S 00°02'19" E	53.50'

LEGEND

- SECTION LINE
- TRACT BORDER
- QUARTER SECTION LINE
- SURVEYED BASELINE
- CONTINUED BASELINE
- MONUMENT

NAILED IT UNIT
W2/W2 ROAD EASEMENT

Being a proposed road easement 30 feet in width, 15 feet left, and 15 feet right of the above platted centerline total line footage containing 53.50 feet or 3.24 rods, containing 0.04 acres more or less.

JOHN TREVOR CARNEGIE
NEW MEXICO
11401
REGISTERED PROFESSIONAL SURVEYOR

John Trevor Carnegie, P.S. No. 11401
APRIL 23, 2019

TOPOGRAPHIC
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TAP ROCK

NAILED IT UNIT W2/W2 ROAD EASEMENT	REVISION:	
	GJU	01/09/19
	GJU	04/19/19
DATE: 12/19/18		
FILE: EP_NAILED_IT_UNIT_W2_W2_ROAD_SEC_25_REV2		
DRAWN BY: EAH		
SHEET: 1 OF 1		

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY TAP ROCK OPERATING, LLC. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
4. B.O.L./P.O.B. = BEGINNING OF LINE/POINT OF BEGINNING
5. E.O.L./P.O.E. = END OF LINE/POINT OF EXIT

S:\SURVEY\TAPROCK\NAILED_IT_UNIT\FINAL_PRODUCTS\EP_NAILED_IT_UNIT_W2_W2_ROAD_SEC_25_REV2.DWG 4/23/2019 8:19:55 AM kmatheny