Form 3160-3
(June 2015)

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.
NMNM019143

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.
MAXUS 8026 FED
9H (327022)

2. Name of Operator
BTA OIL PRODUCERS LLC (260297)

9. API Well No.
30-025-46821

3a. Address
104 S. Pecos Midland TX 79701

3b. Phone No. *(include area code)*
(432)682-3753

10. Field and Pool, or Exploratory (97283)
~~ANTELOPE RIDGE~~ / BONE SPRING, NO

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface NENE / 500 FNL / 1230 FEL / LAT 32.354047 / LONG -103.453368
At proposed prod. zone SWNE / 2590 FNL / 2100 FEL / LAT 32.333794 / LONG -103.45622

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 34 / T22S / R34E / NMP

14. Distance in miles and direction from nearest town or post office*
18 miles

12. County or Parish
LEA

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
500 feet

16. No of acres in lease
1480.09

17. Spacing Unit dedicated to this well
240

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
457 feet

19. Proposed Depth
10375 feet / 18009 feet

20. BLM/BIA Bond No. in file
FED: NMB001711

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3410 feet

22. Approximate date work will start*
10/16/2019

23. Estimated duration
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)	Sammy Hajar / Ph: (432)682-3753	05/16/2019

Title
Regulatory Analyst

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	Cody Layton / Ph: (575)234-5959	01/24/2020

Title	Office
Assistant Field Manager Lands & Minerals	CARLSBAD

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.

GCP Rec 01/29/2020

KZ 01/01/2020

APPROVED WITH CONDITIONS

Approval Date: 01/24/2020

SC

(Continued on page 2)

*(Instructions on page 2)

Double Sided

AFMSS

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

Application for Permit to Drill

APD Package Report

Date Printed: 01/27/2020 07:35 AM

APD ID: 10400041909	Well Status: AAPD
APD Received Date: 05/16/2019 09:15 AM	Well Name: MAXUS 8026 FED
Operator: BTA OIL PRODUCERS LLC	Well Number: 9H

APD Package Report Contents

- Form 3160-3

- Operator Certification Report

- Application Report
- Application Attachments
  -- Well Plat: 1 file(s)

- Drilling Plan Report
- Drilling Plan Attachments
  -- Blowout Prevention Choke Diagram Attachment: 2 file(s)
  -- Blowout Prevention BOP Diagram Attachment: 1 file(s)
  -- Casing Design Assumptions and Worksheet(s): 3 file(s)
  -- Hydrogen sulfide drilling operations plan: 3 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 3 file(s)
  -- Other Variances: 2 file(s)

- SUPO Report
- SUPO Attachments
  -- Existing Road Map: 1 file(s)
  -- New Road Map: 1 file(s)
  -- Attach Well map: 1 file(s)
  -- Production Facilities map: 1 file(s)
  -- Water source and transportation map: 1 file(s)
  -- Well Site Layout Diagram: 4 file(s)

- PWD Report
- PWD Attachments
  -- None

- Bond Report
- Bond Attachments
  -- None

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
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**BTA Oil Producers LLC**
LEASE NO.:	**NMNM019143**
WELL NAME & NO.:	MAXUS 8026 FED 9H
SURFACE HOLE FOOTAGE:	500'/N & 1230'/E
BOTTOM HOLE FOOTAGE	2590'/N & 2100'/E
LOCATION:	Section 34, T.22 S., R.34 E., NMPM
COUNTY:	Lea 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

Casing Design:

1. The **13-3/8** inch surface casing shall be set at approximately **1825** feet (a minimum of **25 feet (Lea 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 **9-5/8** inch intermediate casing shall be set at approximately **5595** feet. 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 Capitan Reef 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.

❖ **Special Capitan Reef requirements.** If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following:
(Use this for 3 string wells in the Capitan Reef, if 4 string well ensure FW based mud used across the capitan interval)

- Switch to fresh water mud to protect the Capitan Reef and use fresh water mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.

- Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.

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

- Cement should tie-back at least **50 feet** on top of Capitan Reef top. 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.

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.

OTA01122020

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	BTA Oil Producers LLC
LEASE NO.:	NMNM019143
COUNTY:	Lea County, NM

Wells:

Pad 1
Maxus 8026 Fed 6H
Surface Hole Location: 300' FNL & 1700' FWL, Section 34, T. 22 S., R. 34 E.
Bottom Hole Location: 2590' FNL & 2290' FWL, Section 3, T. 23 S, R. 34 E.

Maxus 8026 Fed 5H
Surface Hole Location: 300' FNL & 1670' FWL, Section 34, T. 22 S., R. 34 E.
Bottom Hole Location: 2590' FNL & 990' FWL, Section 3, T. 23 S., R. 34 E.

Pad 2
Maxus 8026 Fed Com 10H
Surface Hole Location: 500' FNL & 1200' FEL, Section 34, T. 22 S., R. 34 E.
Bottom Hole Location: 2590' FNL & 700' FEL, Section 3, T. 23 S, R. 34 E.

Maxus 8026 Fed 9H
Surface Hole Location: 500' FNL & 1230' FEL, Section 34, T. 22 S., R. 34 E.
Bottom Hole Location: 2590' FNL & 2100' FEL, Section 3, T. 23 S., R. 34 E.

Maxus 8026 Fed Com 4H
Surface Hole Location: 300' FNL & 1200' FEL, Section 34, T. 22 S., R. 34 E.
Bottom Hole Location: 2590' FNL & 700' FEL, Section 3, T. 23 S., R. 34 E.

Maxus 8026 Fed 3H
Surface Hole Location: 300' FNL & 1230' FEL, Section 34, T. 22 S., R. 34 E.
Bottom Hole Location: 2590' FNL & 2100' FEL, Section 3, T. 23 S., R. 34 E.

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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.

- ☐ **Noxious Weeds**
- ☐ **Special Requirements**
  - Watershed
  - Lesser Prairie-Chicken Timing Stipulations
- ☐ **Construction**
  - Notification
  - Topsoil
  - Closed Loop System
  - Federal Mineral Material Pits
  - Well Pads
  - Roads
- ☐ **Road Section Diagram**
- ☐ **Production (Post Drilling)**
  - Well Structures & Facilities
- ☐ **Interim Reclamation**
- ☐ **Final Abandonment & Reclamation**

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.

V. SPECIAL REQUIREMENT(S)

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

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

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

This authorization is subject to your Certificate of Participation and/or Certificate of Inclusion under the New Mexico Candidate Conservation Agreement. Because it involves surface disturbing activities covered under your Certificate, your Habitat Conservation Fund Account with the Center of Excellence for Hazardous Materials Management (CEHMM) will be debited according to Exhibit B Part 2 of the Certificate of Participation.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the at least 3 working days prior to commencing construction of the access road and/or well pad.

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

B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

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

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the .

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation. The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. EXCLOSURE FENCING (CELLARS & PITS)

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

G. 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.

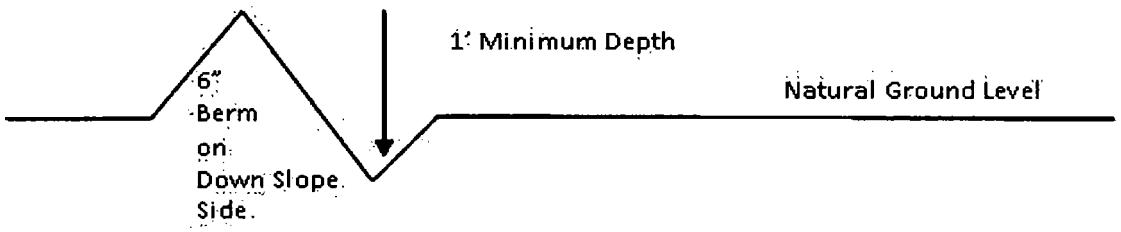
Crowning
Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

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, leadoff ditches, culvert installation, and low water crossings).

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



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 %);

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

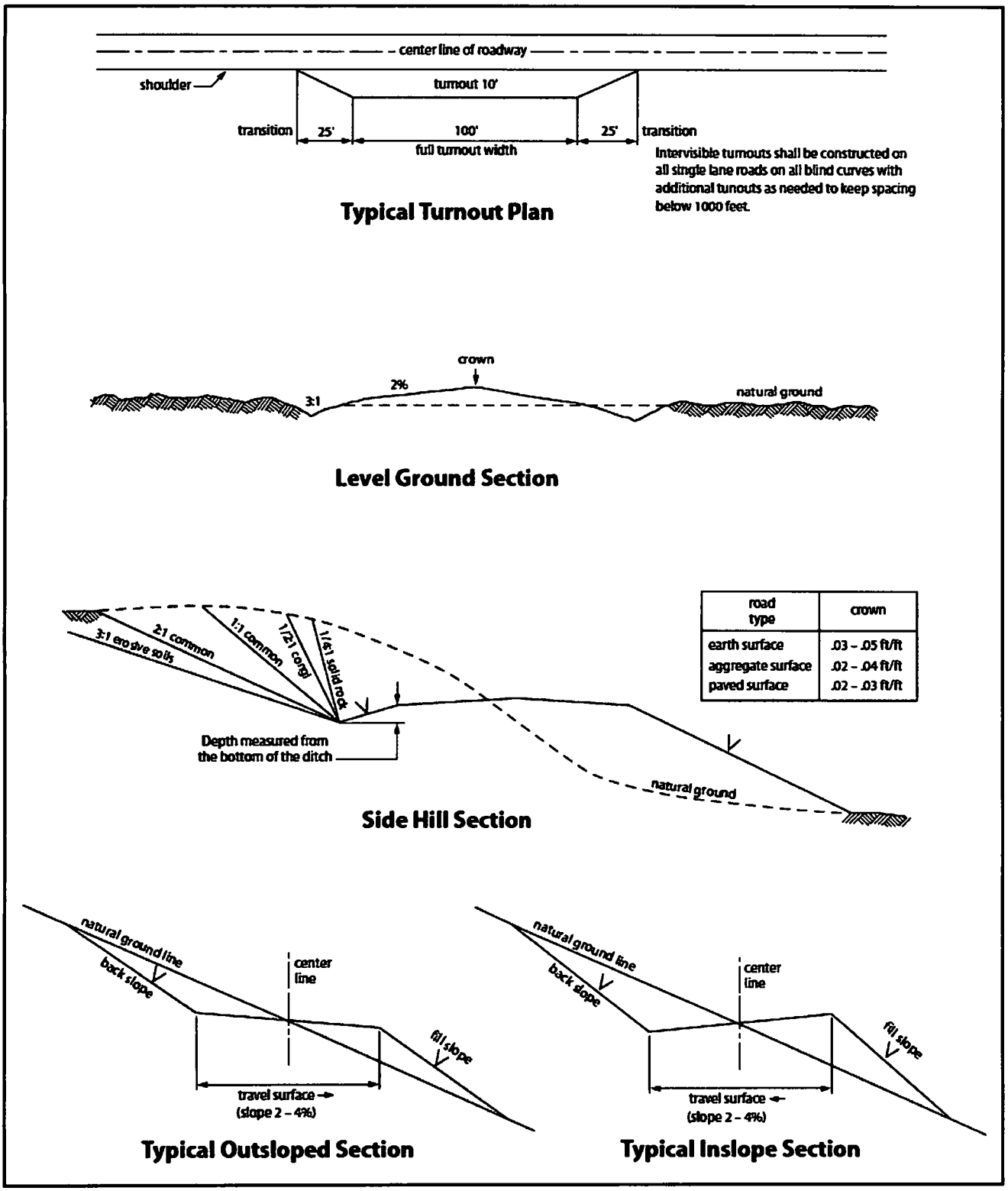


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

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

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

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

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

Containment Structures

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

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

VIII. INTERIM RECLAMATION

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

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

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

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

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

IX. FINAL ABANDONMENT & RECLAMATION

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

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory

revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well.

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

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: Sammy Hajar **Signed on:** 05/16/2019

Title: Regulatory Analyst

Street Address: 104 S. Pecos

City: Midland **State:** TX **Zip:** 79701

Phone: (432)682-3753

Email address: shajar@btaoil.com

Field Representative

Representative Name:

Street Address: 104 South Pecos

City: Midland **State:** TX **Zip:** 79701

Phone: (432)682-3753

Email address: neaton@btaoil.com

APD ID: 10400041909 **Submission Date:** 05/16/2019

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

[redacted]

Show Final Text

Well Type: OIL WELL **Well Work Type:** Drill

Section 1 - General

APD ID: 10400041909 **Tie to previous NOS?** **Submission Date:** 05/16/2019

BLM Office: CARLSBAD **User:** Sammy Hajar **Title:** Regulatory Analyst

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

Lease number: NMNM019143 **Lease Acres:** 1480.09

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

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

Agreement number:

Agreement name:

Keep application confidential? YES

Permitting Agent? NO **APD Operator:** BTA OIL PRODUCERS LLC

Operator letter of designation:

Operator Info

Operator Organization Name: BTA OIL PRODUCERS LLC

Operator Address: 104 S. Pecos **Zip:** 79701

Operator PO Box:

Operator City: Midland **State:** TX

Operator Phone: (432)682-3753

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: MAXUS 8026 FED **Well Number:** 9H **Well API Number:**

Field/Pool or Exploratory? Field and Pool **Field Name:** ANTELOPE RIDGE **Pool Name:** BONE SPRING, NORTH

Is the proposed well in an area containing other mineral resources? NONE

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Is the proposed well in an area containing other mineral resources? NONE

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** NO **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** MAXUS 8026 FED **Number:** 3, 4, 9, & 10

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

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 18 Miles **Distance to nearest well:** 457 FT **Distance to lease line:** 500 FT

Reservoir well spacing assigned acres Measurement: 240 Acres

Well plat: Maxus_8026_Fed_9H_C102_20190516073546.pdf

Well work start Date: 10/16/2019 **Duration:** 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NGVD29

Survey number: **Reference Datum:**

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	500	FNL	1230	FEL	22S	34E	34	Aliquot NENE	32.354047	-103.453368	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 019143	3410	0	0	
KOP Leg #1	100	FNL	2100	FEL	22S	34E	34	Aliquot NWNE	32.355147	-103.456182	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 019143	-7292	10786	10702	
PPP Leg #1-1	100	FNL	2100	FEL	22S	34E	34	Aliquot NWNE	32.355147	-103.456182	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 019143	-7578	11088	10988	

APD ID: 10400041909 **Submission Date:** 05/16/2019

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Well Type: OIL WELL **Well Work Type:** Drill

[redacted]

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
458030	[redacted]						
458044							
458033							
458035							
552987							
552988							
552989							
552990							
458034							
458047							
458048							
458040							
458045							
458041							
458049							
458043							
552991							

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M **Rating Depth:** 11000

Equipment: The blowout preventer equipment (BOP) shown in Exhibit A will consist of a (5M system) double ram type (5,000 psi WP) preventer and a bag-type (Hydril) preventer (5000 psi WP). Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and 5" drill pipe rams on bottom. The BOP's will be installed on the 13-3/8" surface casing and utilized continuously until total depth is reached. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. A remote kill line will be used for the 5M system as per onshore order #2. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines, and choke manifold having a 5,000 psi WP rating. The 5M annular will be tested as per BLM drilling Operations Order No. 2.

Requesting Variance? NO

Variance request: n/a

Testing Procedure: Pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily driller's log. All BOP's and associated equipment will be tested as per BLM drilling Operations Order No. 2.

Choke Diagram Attachment:

Choke_Hose___Test_Chart_and_Specs_20181129153440.pdf

5M_choke_mannifold_20190211164346.pdf

BOP Diagram Attachment:

5M_BOP_diagram_20190211164555.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1200	0	1200			1200	J-55	54.5	ST&C	2.2	5.3	DRY	7.9	DRY	13
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5595	0	5595			5595	J-55	40	LT&C	1.7	1.4	DRY	2.3	DRY	2.8
3	PRODUCTION	8.75	5.5	NEW	API	N	0	18969	0	11275			18969	P-110	17	BUTT	1.3	1.3	DRY	1.8	DRY	1.7

Casing Attachments

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Casing Attachments

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Maxus_9H_casing_assumption_20190516084422.JPG

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Maxus_9H_casing_assumption_20190516084428.JPG

Casing ID: 3 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Maxus_9H_casing_assumption_20190516084434.JPG

Section 4 - Cement

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead					1.73					
SURFACE	Tail										
INTERMEDIATE	Lead					2.46					
INTERMEDIATE	Tail										
PRODUCTION	Lead					3.9					
PRODUCTION	Tail										

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

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1200	OTHER : FW Spud	8.3	8.4							
1200	5595	OTHER : Saturated Brine	10	10.2							
5595	11275	OTHER : Cut Brine	8.7	9.3							

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Section 6 - Test, Logging, Coring

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

Drill Stem Tests will be based on geological sample shows.

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

CBL,GR,MUDLOG

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5511 **Anticipated Surface Pressure:** 3030.5

Anticipated Bottom Hole Temperature(F): 171

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

H2S_Plan_20181129153648.pdf

H2S_Equipment_Schematic_20181129153733.pdf

BTA_Oil_Producers_LLC___EMERGENCY_CALL_LIST_20190205154800.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Maxus__09H_directional_plan_20190516085134.pdf

Maxus__09H_Wall_plot_20190516085134.pdf

Maxus_9H_Gas_Capture_Plan_20190516085147.pdf

Other proposed operations facets description:

A variance is requested for a Multi Bowl Wellhead. See the attached schematic and running procedure. *All strings will be kept 1/3 full while running.

Other proposed operations facets attachment:

Other Variance attachment:

Casing_Head_Running_Procedure_20181129153916.pdf

WH_SCHEMATIC_13.375_9.625_5.5_20190514121902.pdf

Continental ContiTech

CONTITECH RUBBER Industrial Kft.	No:QC-DB- 590/ 2014
	Page: 16 / 176

Rig 94 Asset 24455

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 1592	
PURCHASER:	ContiTech Oil & Marine Corp.			P.O. N°:	4500461753
CONTITECH ORDER N°:	539225	HOSE TYPE: 3" ID		Choke & Kill Hose	
HOSE SERIAL N°:	[redacted]	NOMINAL / ACTUAL LENGTH:		7,62 m / 7,66 m	
W.P. 68,9 MPa	10000 psi	T.P. 103,4 MPa	15000 psi	Duration: 60	min.

Pressure test with water at ambient temperature

See attachment. (1 page)

--> 10 Min.

↑ 50 MPa

COUPLINGS Type	Serial N°	Quality	Heat N°
3" coupling with	2574 5533	AISI 4130	A1582N H8672
4 1/16" 10K API Swivel Flange end		AISI 4130	58855
Hub		AISI 4130	A1199N A1423N

Not Designed For Well Testing **API Spec 16 C**

Fire Rated **Temperature rate:"B"**

All metal parts are flawless

WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.

STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.

Date:	Inspector	Quality Control
04. September 2014.		ContiTech Rubber Industrial Kft. Quality Control Dept.

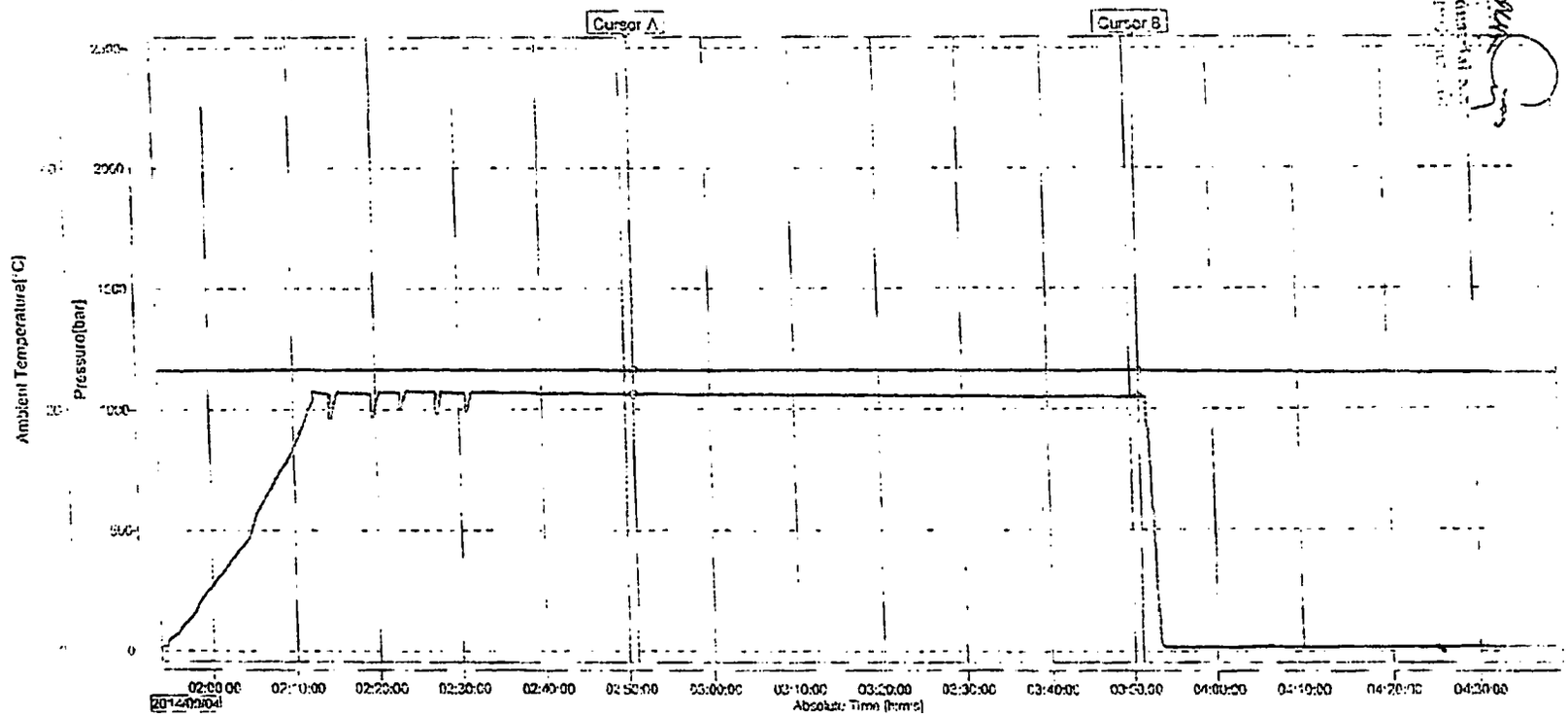
ContiTech Rubber Industrial Kft. | Budapesti út 10. H-6728 Szeged | H-6701 P.O.Box 152 Szeged, Hungary
Phone: +36 62 566 737 | Fax: +36 62 566 738 | e-mail: info@fluid.contitech.hu | Internet: www.contitech-rubber.hu; www.contitech.hu
The Court of Csongrád County as Registry Court | Registry Court No: Cg 06-09-002502 | EU VAT No: HU11087209
Bank data Commerzbank Zrt., Budapest | 14220108-26830003

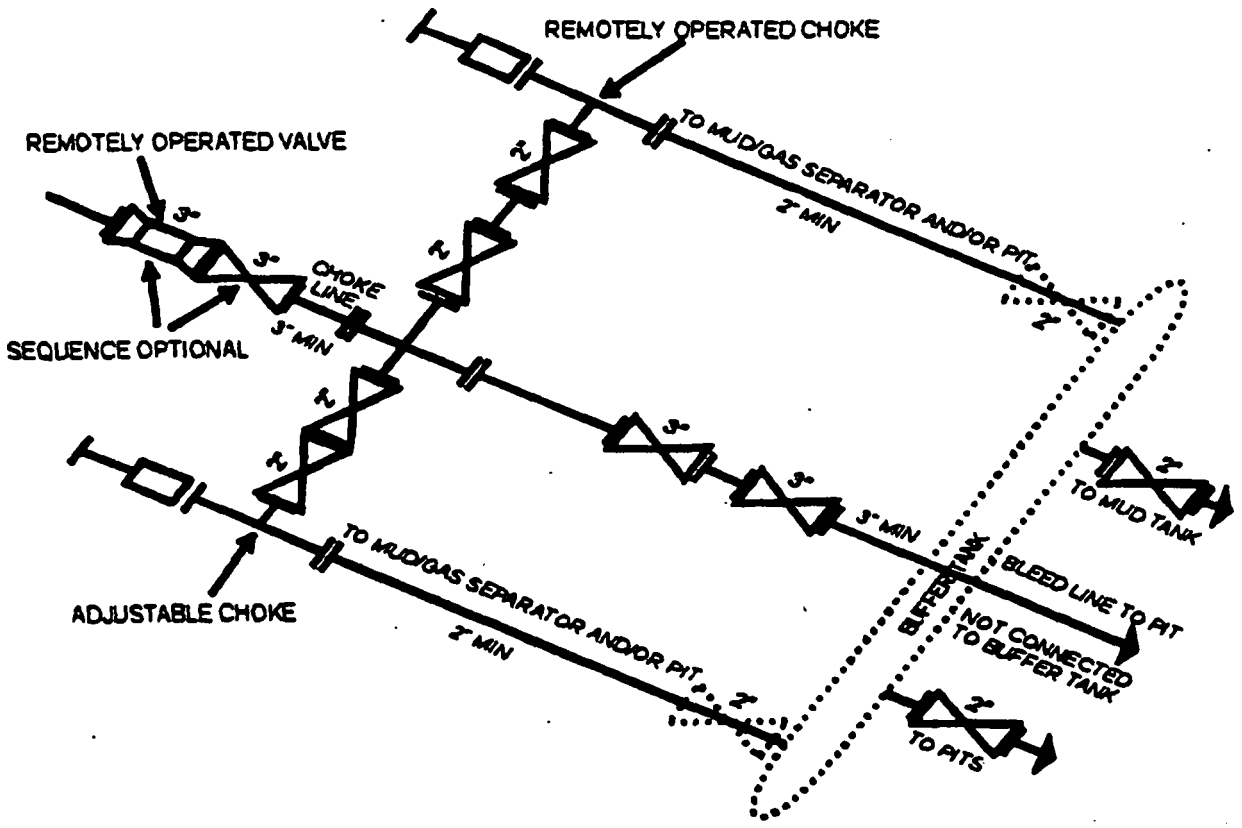
ATTACHMENT OF QUALITY CONTROL INSPECTION AND TEST CERTIFICATE No: 1588, 1590, 1592

Page: 1 / 1

File Name	: 000220_68543,68545+547.GEV.....000236_68543,68545+547.GEV
File Message	68543,68545,S8547
Device Type	: GX10
Serial No.	: S5P606399
Data Count	: 9946
Sampling Int.	1.000 sec
Start Time	: 2014/09/04 01:53:54.000
Stop Time	: 2014/09/04 04:39:39.000
Print Group	Press-Temp
Print Range	: 2014/09/04 01:53:54.000 - 2014/09/04 04:39:39.000
Comment	:

	Cursor A	Cursor B	Difference
Data No.	3432	7032	3600
Absolute Time	2014/09/04 02:51:00.000	2014/09/04 03:51:06.000	01:00:06.000
Tag Comment	Value A	Value B	Value B-A
Pressure[bar]	1062.05	1048.57	-13.49
Ambient Temperature[°C]	23.24	23.14	-0.10



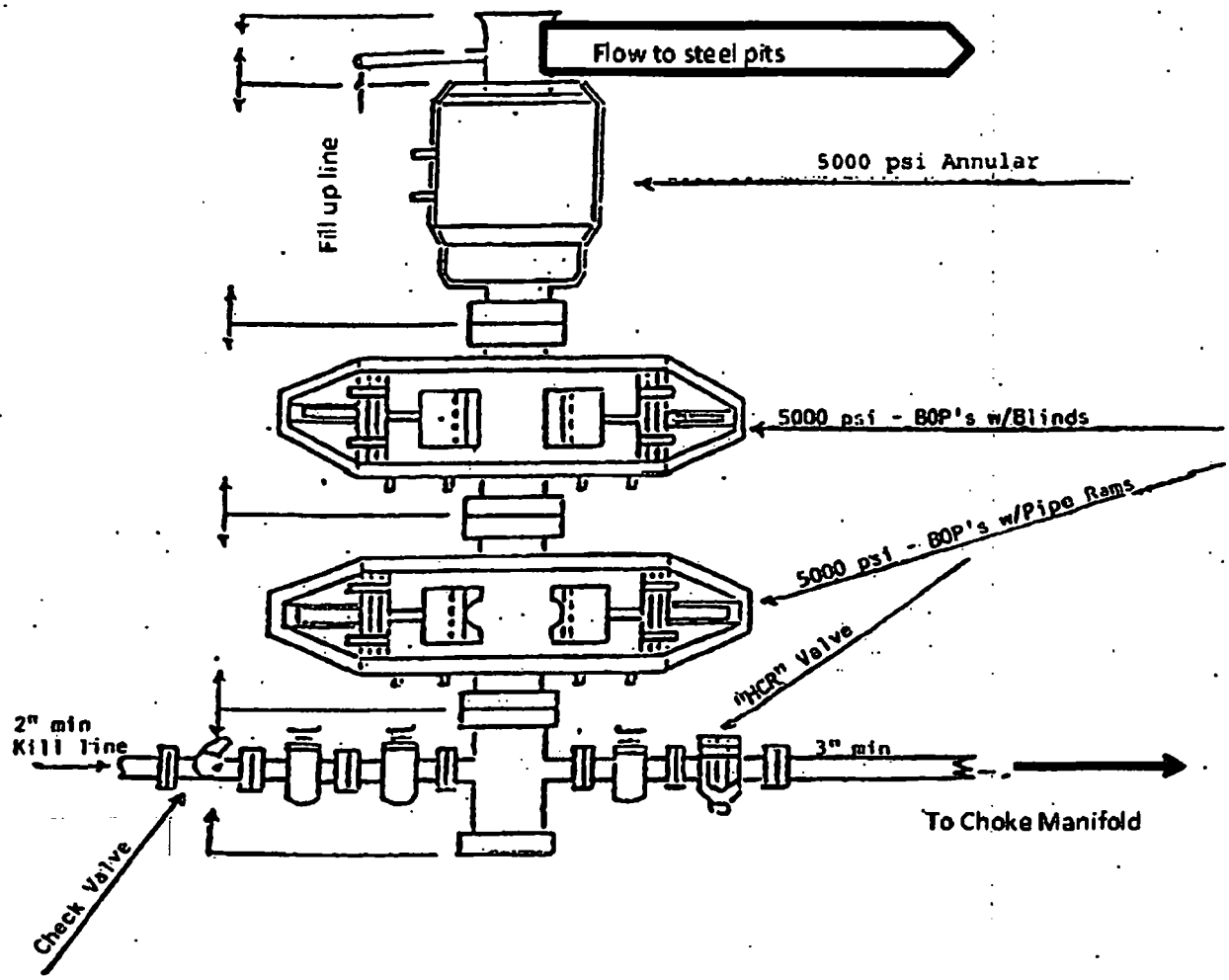


5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.

[54 FR 39528, Sept. 27, 1989]

13-5/8" 5,000 PSI BOP



BTA Oil Producers, LLC
104 S Pecos
Midland, TX 79701

WELL: Maxus #09H
TVD: 11275
MD: 18969

DRILLING PLAN

Casing Program

Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/ Buoyant	Mud Weight (ppg)
17 1/2	13 3/8	0	1200	0	1200	No	54.5	J-55	STC	2.2	5.3	13.0	7.9	Dry	8.3
12 1/4	9 5/8	0	5595	0	5595	No	40	J-55	LTC	1.7	1.4	2.8	2.3	Dry	10
8 3/4	5.5	0	18969	0	11275	No	17	P110	Buttress	1.3	1.3	1.7	1.8	Dry	9.4

BTA Oil Producers, LLC
104 S Pecos
Midland, TX 79701

WELL: Maxus #09H
TVD: 11275
MD: 18969

DRILLING PLAN

Casing Program

Hole Size	Csg.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/ Buoyant	Mud Weight (ppg)
17 1/2	13 3/8	0	1200	0	1200	No	54.5	J-55	STC	2.2	5.3	13.0	7.9	Dry	8.3
12 1/4	9 5/8	0	5595	0	5595	No	40	J-55	LTC	1.7	1.4	2.8	2.3	Dry	10
8 3/4	5.5	0	18989	0	11275	No	17	P110	Buttress	1.3	1.3	1.7	1.8	Dry	9.4

BTA Oil Producers, LLC
104 S Pecos
Midland, TX 79701

WELL: Maxus #09H
TVD: 11275
MD: 18969

DRILLING PLAN

Casing Program

Hole Size	Cag.Size	From (MD)	To (MD)	From (TVD)	To (TVD)	Tapered String	Weight (lbs)	Grade	Conn.	Collapse	Burst	Body Tension	Joint Tension	Dry/ Buoyant	Mud Weight (ppg)
17 1/2	13 3/8	0	1200	0	1200	No	54.5	J-55	STC	2.2	5.3	13.0	7.9	Dry	8.3
12 1/4	9 5/8	0	5595	0	5595	No	40	J-55	LTC	1.7	1.4	2.8	2.3	Dry	10
8 3/4	5.5	0	18969	0	11275	No	17	P110	Buttress	1.3	1.3	1.7	1.8	Dry	9.4

BTA OIL PRODUCERS LLC

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

a. The hazards and characteristics of hydrogen sulfide (H_2S).
b. The proper use and maintenance of personal protective equipment and life support systems.
c. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

a. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
c. The contents and requirements of the H_2S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. H_2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S. If H2S greater than 100 ppm is encountered in the gas stream we will shut in and install H2S equipment.

a. Well Control Equipment:
Flare line.
Choke manifold with remotely operated choke.
Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.
b. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.
c. H2S detection and monitoring equipment:

2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.

d. Visual warning systems:
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.

e. Mud Program:
The mud program has been designed to minimize the volume of H2S circulated to the surface.

f. Metallurgy:
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

g. Communication:
Company vehicles equipped with cellular telephone.

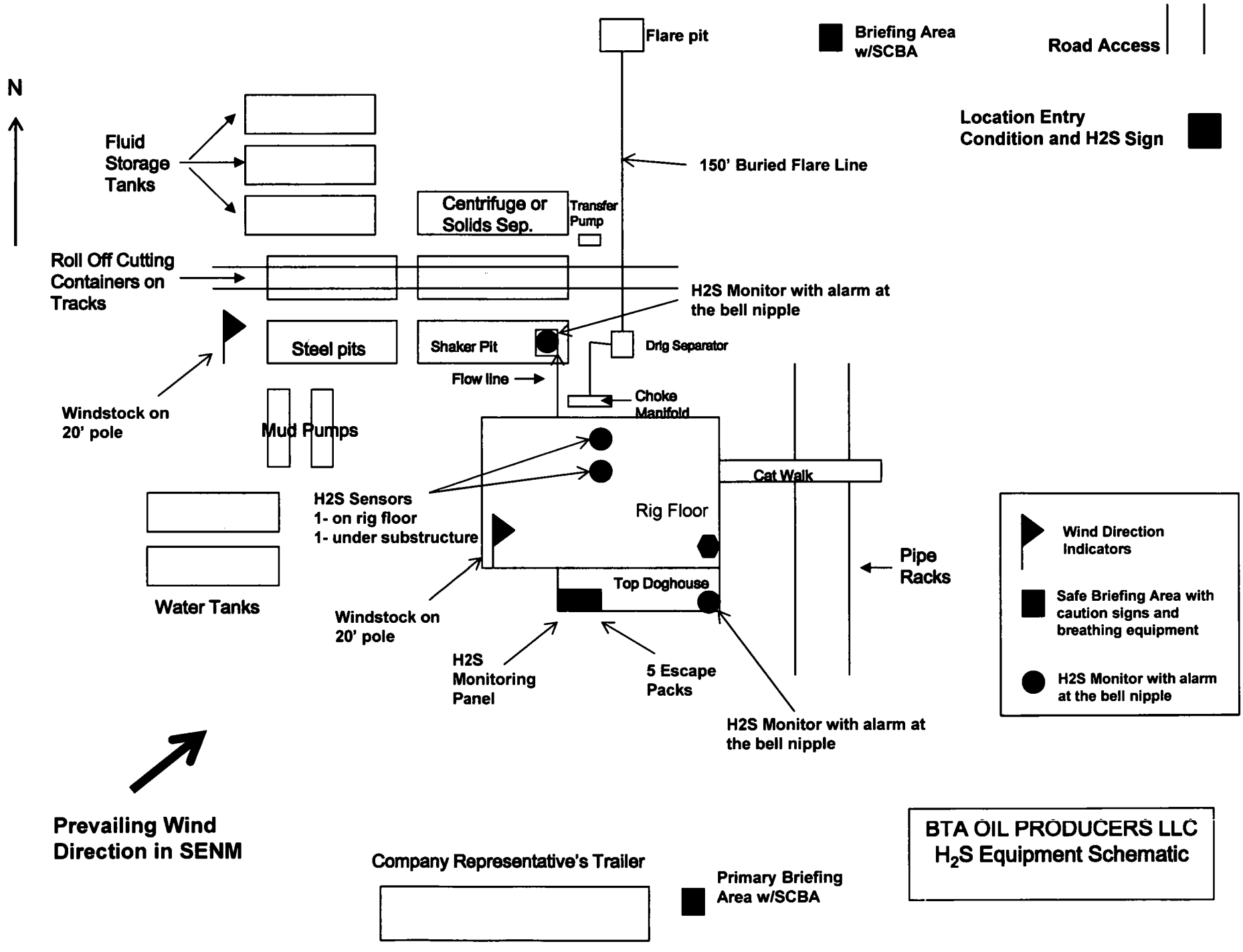
WARNING

YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

1. ***BEARDS OR CONTACT LENSES NOT ALLOWED***
2. ***HARD HATS REQUIRED***
3. ***SMOKING IN DESIGNATED AREAS ONLY***
4. ***BE WIND CONSCIOUS AT ALL TIMES***
5. ***CK WITH BTA OIL PRODUCERS LLC FOREMAN AT MAIN OFFICE***

BTA OIL PRODUCERS LLC

1-432-682-3753


Flare pit
Briefing Area w/SCBA
Road Access
N
Location Entry Condition and H2S Sign
Fluid Storage Tanks
150' Buried Flare Line
Centrifuge or Solids Sep.
Transfer Pump
Roll Off Cutting Containers on Tracks
H2S Monitor with alarm at the bell nipple
Steel pits
Shaker Pit
Drlg Separator
Flow line
Choke Manifold
Windstock on 20' pole
Mud Pumps
Cat Walk
H2S Sensors
1- on rig floor
1- under substructure
Rig Floor
Pipe Racks
Top Doghouse
Water Tanks
Windstock on 20' pole
H2S Monitoring Panel
5 Escape Packs
H2S Monitor with alarm at the bell nipple
Wind Direction Indicators
Safe Briefing Area with caution signs and breathing equipment
H2S Monitor with alarm at the bell nipple
Prevailing Wind Direction in SENM
Company Representative's Trailer
Primary Briefing Area w/SCBA
BTA OIL PRODUCERS LLC
H2S Equipment Schematic

EMERGENCY CALL LIST

	OFFICE	MOBILE
BTA Oil Producers LLC OFFICE	432-682-3753	
BEN GRIMES, Operations	432-682-3753	432-559-4309
NICK EATON, Drilling	432-682-3753	432-260-7841
TRACE WOHLFAHRT, Completions	432-682-3753	

EMERGENCY RESPONSE NUMBERS

	OFFICE
STATE POLICE	575-748-9718
EDDY COUNTY SHERIFF	575-746-2701
EMERGENCY MEDICAL SERVICES (AMBULANCE)	911 or 575-746-2701
EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS)	575-887-9511
STATE EMERGENCY RESPONSE CENTER (SERC)	575-476-9620
CARLSBAD POLICE DEPARTMENT	575-885-2111
CARLSBAD FIRE DEPARTMENT	575-885-3125
NEW MEXICO OIL CONSERVATION DIVISION	575-748-1283
INDIAN FIRE & SAFETY	800-530-8693
HALLIBURTON SERVICES	800-844-8451

BTA Oil Producers, LLC

Lea County, NM (NAD 83)
Maxus
Maxus #09H

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

14 May, 2019

Database:	Old	**Local Co-ordinate Reference:**	Well Maxus #09H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3410.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3410.0usft
Site:	Maxus	**North Reference:**	Grid
Well:	Maxus #09H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Lea County, NM (NAD 83), Lea County, NM		
Map System:	US State Plane 1983	**System Datum:**	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	Maxus				
Site Position:		**Northing:**	486,041.54 usft	**Latitude:**	32° 19' 59.511 N
From:	Map	**Easting:**	810,169.59 usft	**Longitude:**	103° 27' 46.626 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.47 °

Well	Maxus #09H					
Well Position	**+N/-S**	0.0 usft	**Northing:**	493,650.00 usft	**Latitude:**	32° 21' 14.561 N
	+E/-W	0.0 usft	**Easting:**	813,067.00 usft	**Longitude:**	103° 27' 12.130 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,410.0 usft

Wellbore	Wellbore #1				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	12/31/2009	7.70	60.38	48,884.84618589

Design	Design #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.0	0.0	0.0	186.34	

Plan Survey Tool Program **Date** 4/22/2019

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,968.7	Design #1 (Wellbore #1)		

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	
2,863.6	0.00	0.00	2,863.6	0.0	0.0	0.00	0.00	0.00	0.00	
3,363.6	10.00	298.89	3,361.0	21.0	-38.1	2.00	2.00	0.00	298.89	
8,584.4	10.00	298.89	8,502.5	459.0	-831.9	0.00	0.00	0.00	0.00	
9,084.4	0.00	0.00	9,000.0	480.0	-870.0	2.00	-2.00	0.00	180.00	
10,786.4	0.00	0.00	10,702.0	480.0	-870.0	0.00	0.00	0.00	0.00	
11,686.4	90.00	179.64	11,275.0	-92.9	-866.4	10.00	10.00	0.00	179.64	
18,968.7	90.00	179.64	11,275.0	-7,375.0	-820.0	0.00	0.00	0.00	0.00	Maxus #9H BHL

Microsoft

Planning Report - Geographic

Database:	Old	**Local Co-ordinate Reference:**	Well Maxus #09H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3410.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3410.0usft
Site:	Maxus	**North Reference:**	Grid
Well:	Maxus #09H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
100.0	0.00	0.00	100.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
200.0	0.00	0.00	200.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
300.0	0.00	0.00	300.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
400.0	0.00	0.00	400.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
500.0	0.00	0.00	500.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
600.0	0.00	0.00	600.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
700.0	0.00	0.00	700.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
800.0	0.00	0.00	800.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
900.0	0.00	0.00	900.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,100.0	0.00	0.00	2,100.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,300.0	0.00	0.00	2,300.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,400.0	0.00	0.00	2,400.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,600.0	0.00	0.00	2,600.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,700.0	0.00	0.00	2,700.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,800.0	0.00	0.00	2,800.0	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,863.6	0.00	0.00	2,863.6	0.0	0.0	493,650.00	813,067.00	32° 21' 14.561 N	103° 27' 12.130 W
2,900.0	0.73	298.89	2,900.0	0.1	-0.2	493,650.11	813,066.80	32° 21' 14.562 N	103° 27' 12.133 W
3,000.0	2.73	298.89	2,999.9	1.6	-2.8	493,651.57	813,064.15	32° 21' 14.577 N	103° 27' 12.163 W
3,100.0	4.73	298.89	3,099.7	4.7	-8.5	493,654.71	813,058.46	32° 21' 14.608 N	103° 27' 12.229 W
3,200.0	6.73	298.89	3,199.2	9.5	-17.3	493,659.53	813,049.72	32° 21' 14.656 N	103° 27' 12.331 W
3,300.0	8.73	298.89	3,298.3	16.0	-29.1	493,666.03	813,037.95	32° 21' 14.722 N	103° 27' 12.467 W
3,363.6	10.00	298.89	3,361.0	21.0	-38.1	493,671.03	813,028.89	32° 21' 14.772 N	103° 27' 12.572 W
3,400.0	10.00	298.89	3,396.9	24.1	-43.6	493,674.08	813,023.35	32° 21' 14.803 N	103° 27' 12.637 W
3,500.0	10.00	298.89	3,495.4	32.5	-58.9	493,682.47	813,008.15	32° 21' 14.887 N	103° 27' 12.813 W
3,600.0	10.00	298.89	3,593.9	40.9	-74.1	493,690.86	812,992.94	32° 21' 14.971 N	103° 27' 12.990 W
3,700.0	10.00	298.89	3,692.4	49.2	-89.3	493,699.25	812,977.74	32° 21' 15.055 N	103° 27' 13.166 W
3,800.0	10.00	298.89	3,790.8	57.6	-104.5	493,707.64	812,962.54	32° 21' 15.140 N	103° 27' 13.342 W
3,900.0	10.00	298.89	3,889.3	66.0	-119.7	493,716.02	812,947.33	32° 21' 15.224 N	103° 27' 13.519 W
4,000.0	10.00	298.89	3,987.8	74.4	-134.9	493,724.41	812,932.13	32° 21' 15.308 N	103° 27' 13.695 W
4,100.0	10.00	298.89	4,086.3	82.8	-150.1	493,732.80	812,916.92	32° 21' 15.392 N	103° 27' 13.872 W
4,200.0	10.00	298.89	4,184.8	91.2	-165.3	493,741.19	812,901.72	32° 21' 15.476 N	103° 27' 14.048 W
4,300.0	10.00	298.89	4,283.2	99.6	-180.5	493,749.58	812,886.52	32° 21' 15.561 N	103° 27' 14.225 W
4,400.0	10.00	298.89	4,381.7	108.0	-195.7	493,757.97	812,871.31	32° 21' 15.645 N	103° 27' 14.401 W
4,500.0	10.00	298.89	4,480.2	116.4	-210.9	493,766.35	812,856.11	32° 21' 15.729 N	103° 27' 14.577 W
4,600.0	10.00	298.89	4,578.7	124.7	-226.1	493,774.74	812,840.90	32° 21' 15.813 N	103° 27' 14.754 W
4,700.0	10.00	298.89	4,677.2	133.1	-241.3	493,783.13	812,825.70	32° 21' 15.898 N	103° 27' 14.930 W
4,800.0	10.00	298.89	4,775.6	141.5	-256.5	493,791.52	812,810.49	32° 21' 15.982 N	103° 27' 15.107 W
4,900.0	10.00	298.89	4,874.1	149.9	-271.7	493,799.91	812,795.29	32° 21' 16.066 N	103° 27' 15.283 W
5,000.0	10.00	298.89	4,972.6	158.3	-286.9	493,808.30	812,780.09	32° 21' 16.150 N	103° 27' 15.460 W
5,100.0	10.00	298.89	5,071.1	166.7	-302.1	493,816.69	812,764.88	32° 21' 16.235 N	103° 27' 15.636 W
5,200.0	10.00	298.89	5,169.6	175.1	-317.3	493,825.07	812,749.68	32° 21' 16.319 N	103° 27' 15.813 W

Database:	Old	**Local Co-ordinate Reference:**	Well Maxus #09H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3410.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3410.0usft
Site:	Maxus	**North Reference:**	Grid
Well:	Maxus #09H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,300.0	10.00	298.89	5,268.0	183.5	-332.5	493,833.46	812,734.47	32° 21' 16.403 N	103° 27' 15.989 W
5,400.0	10.00	298.89	5,366.5	191.9	-347.7	493,841.85	812,719.27	32° 21' 16.487 N	103° 27' 16.165 W
5,500.0	10.00	298.89	5,465.0	200.2	-362.9	493,850.24	812,704.07	32° 21' 16.572 N	103° 27' 16.342 W
5,600.0	10.00	298.89	5,563.5	208.6	-378.1	493,858.63	812,688.86	32° 21' 16.656 N	103° 27' 16.518 W
5,700.0	10.00	298.89	5,662.0	217.0	-393.3	493,867.02	812,673.66	32° 21' 16.740 N	103° 27' 16.695 W
5,800.0	10.00	298.89	5,760.5	225.4	-408.5	493,875.41	812,658.45	32° 21' 16.824 N	103° 27' 16.871 W
5,900.0	10.00	298.89	5,858.9	233.8	-423.8	493,883.79	812,643.25	32° 21' 16.909 N	103° 27' 17.048 W
6,000.0	10.00	298.89	5,957.4	242.2	-439.0	493,892.18	812,628.04	32° 21' 16.993 N	103° 27' 17.224 W
6,100.0	10.00	298.89	6,055.9	250.6	-454.2	493,900.57	812,612.84	32° 21' 17.077 N	103° 27' 17.400 W
6,200.0	10.00	298.89	6,154.4	259.0	-469.4	493,908.96	812,597.64	32° 21' 17.161 N	103° 27' 17.577 W
6,300.0	10.00	298.89	6,252.9	267.3	-484.6	493,917.35	812,582.43	32° 21' 17.245 N	103° 27' 17.753 W
6,400.0	10.00	298.89	6,351.3	275.7	-499.8	493,925.74	812,567.23	32° 21' 17.330 N	103° 27' 17.930 W
6,500.0	10.00	298.89	6,449.8	284.1	-515.0	493,934.12	812,552.02	32° 21' 17.414 N	103° 27' 18.106 W
6,600.0	10.00	298.89	6,548.3	292.5	-530.2	493,942.51	812,536.82	32° 21' 17.498 N	103° 27' 18.283 W
6,700.0	10.00	298.89	6,646.8	300.9	-545.4	493,950.90	812,521.62	32° 21' 17.582 N	103° 27' 18.459 W
6,800.0	10.00	298.89	6,745.3	309.3	-560.6	493,959.29	812,506.41	32° 21' 17.667 N	103° 27' 18.635 W
6,900.0	10.00	298.89	6,843.7	317.7	-575.8	493,967.68	812,491.21	32° 21' 17.751 N	103° 27' 18.812 W
7,000.0	10.00	298.89	6,942.2	326.1	-591.0	493,976.07	812,476.00	32° 21' 17.835 N	103° 27' 18.988 W
7,100.0	10.00	298.89	7,040.7	334.5	-606.2	493,984.46	812,460.80	32° 21' 17.919 N	103° 27' 19.165 W
7,200.0	10.00	298.89	7,139.2	342.8	-621.4	493,992.84	812,445.59	32° 21' 18.004 N	103° 27' 19.341 W
7,300.0	10.00	298.89	7,237.7	351.2	-636.6	494,001.23	812,430.39	32° 21' 18.088 N	103° 27' 19.518 W
7,400.0	10.00	298.89	7,336.1	359.6	-651.8	494,009.62	812,415.19	32° 21' 18.172 N	103° 27' 19.694 W
7,500.0	10.00	298.89	7,434.6	368.0	-667.0	494,018.01	812,399.98	32° 21' 18.256 N	103° 27' 19.870 W
7,600.0	10.00	298.89	7,533.1	376.4	-682.2	494,026.40	812,384.78	32° 21' 18.341 N	103° 27' 20.047 W
7,700.0	10.00	298.89	7,631.6	384.8	-697.4	494,034.79	812,369.57	32° 21' 18.425 N	103° 27' 20.223 W
7,800.0	10.00	298.89	7,730.1	393.2	-712.6	494,043.18	812,354.37	32° 21' 18.509 N	103° 27' 20.400 W
7,900.0	10.00	298.89	7,828.5	401.6	-727.8	494,051.56	812,339.17	32° 21' 18.593 N	103° 27' 20.576 W
8,000.0	10.00	298.89	7,927.0	410.0	-743.0	494,059.95	812,323.96	32° 21' 18.677 N	103° 27' 20.753 W
8,100.0	10.00	298.89	8,025.5	418.3	-758.2	494,068.34	812,308.76	32° 21' 18.762 N	103° 27' 20.929 W
8,200.0	10.00	298.89	8,124.0	426.7	-773.4	494,076.73	812,293.55	32° 21' 18.846 N	103° 27' 21.106 W
8,300.0	10.00	298.89	8,222.5	435.1	-788.7	494,085.12	812,278.35	32° 21' 18.930 N	103° 27' 21.282 W
8,400.0	10.00	298.89	8,321.0	443.5	-803.9	494,093.51	812,263.15	32° 21' 19.014 N	103° 27' 21.458 W
8,500.0	10.00	298.89	8,419.4	451.9	-819.1	494,101.89	812,247.94	32° 21' 19.099 N	103° 27' 21.635 W
8,584.4	10.00	298.89	8,502.5	459.0	-831.9	494,108.97	812,235.11	32° 21' 19.170 N	103° 27' 21.784 W
8,600.0	9.69	298.89	8,517.9	460.3	-834.2	494,110.26	812,232.77	32° 21' 19.183 N	103° 27' 21.811 W
8,700.0	7.69	298.89	8,616.8	467.6	-847.5	494,117.56	812,219.55	32° 21' 19.256 N	103° 27' 21.964 W
8,800.0	5.69	298.89	8,716.1	473.2	-857.7	494,123.18	812,209.35	32° 21' 19.312 N	103° 27' 22.083 W
8,900.0	3.69	298.89	8,815.7	477.1	-864.8	494,127.13	812,202.20	32° 21' 19.352 N	103° 27' 22.166 W
9,000.0	1.69	298.89	8,915.6	479.4	-868.9	494,129.40	812,198.09	32° 21' 19.375 N	103° 27' 22.213 W
9,084.4	0.00	0.00	9,000.0	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
9,100.0	0.00	0.00	9,015.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
9,200.0	0.00	0.00	9,115.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
9,300.0	0.00	0.00	9,215.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
9,400.0	0.00	0.00	9,315.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
9,500.0	0.00	0.00	9,415.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
9,600.0	0.00	0.00	9,515.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
9,700.0	0.00	0.00	9,615.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
9,800.0	0.00	0.00	9,715.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
9,900.0	0.00	0.00	9,815.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
10,000.0	0.00	0.00	9,915.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
10,100.0	0.00	0.00	10,015.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
10,200.0	0.00	0.00	10,115.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
10,300.0	0.00	0.00	10,215.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
10,400.0	0.00	0.00	10,315.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
10,500.0	0.00	0.00	10,415.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W

Microsoft

Planning Report - Geographic

Database:	Old	**Local Co-ordinate Reference:**	Well Maxus #09H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3410.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3410.0usft
Site:	Maxus	**North Reference:**	Grid
Well:	Maxus #09H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,600.0	0.00	0.00	10,515.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
10,700.0	0.00	0.00	10,615.6	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
10,786.4	0.00	0.00	10,702.0	480.0	-870.0	494,130.00	812,197.00	32° 21' 19.381 N	103° 27' 22.226 W
10,800.0	1.36	179.64	10,715.6	479.8	-870.0	494,129.84	812,197.00	32° 21' 19.379 N	103° 27' 22.226 W
10,900.0	11.36	179.64	10,814.9	468.8	-869.9	494,118.78	812,197.08	32° 21' 19.270 N	103° 27' 22.226 W
11,000.0	21.36	179.64	10,910.7	440.7	-869.7	494,090.65	812,197.25	32° 21' 18.992 N	103° 27' 22.227 W
11,100.0	31.36	179.64	11,000.2	396.3	-869.5	494,046.31	812,197.54	32° 21' 18.553 N	103° 27' 22.228 W
11,200.0	41.36	179.64	11,080.6	337.1	-869.1	493,987.11	812,197.91	32° 21' 17.967 N	103° 27' 22.229 W
11,300.0	51.36	179.64	11,149.6	264.8	-868.6	493,914.84	812,198.37	32° 21' 17.252 N	103° 27' 22.231 W
11,400.0	61.36	179.64	11,204.9	181.7	-868.1	493,831.69	812,198.90	32° 21' 16.429 N	103° 27' 22.232 W
11,500.0	71.36	179.64	11,244.9	90.2	-867.5	493,740.21	812,199.48	32° 21' 15.524 N	103° 27' 22.234 W
11,600.0	81.36	179.64	11,268.5	-6.8	-866.9	493,643.15	812,200.10	32° 21' 14.563 N	103° 27' 22.236 W
11,686.4	90.00	179.64	11,275.0	-92.9	-866.4	493,557.06	812,200.65	32° 21' 13.711 N	103° 27' 22.238 W
11,700.0	90.00	179.64	11,275.0	-106.5	-866.3	493,543.48	812,200.74	32° 21' 13.577 N	103° 27' 22.238 W
11,800.0	90.00	179.64	11,275.0	-206.5	-865.6	493,443.49	812,201.37	32° 21' 12.588 N	103° 27' 22.241 W
11,900.0	90.00	179.64	11,275.0	-306.5	-865.0	493,343.49	812,202.01	32° 21' 11.598 N	103° 27' 22.243 W
12,000.0	90.00	179.64	11,275.0	-406.5	-864.4	493,243.49	812,202.65	32° 21' 10.609 N	103° 27' 22.245 W
12,100.0	90.00	179.64	11,275.0	-506.5	-863.7	493,143.49	812,203.28	32° 21' 9.619 N	103° 27' 22.247 W
12,200.0	90.00	179.64	11,275.0	-606.5	-863.1	493,043.50	812,203.92	32° 21' 8.630 N	103° 27' 22.249 W
12,300.0	90.00	179.64	11,275.0	-706.5	-862.4	492,943.50	812,204.56	32° 21' 7.640 N	103° 27' 22.251 W
12,400.0	90.00	179.64	11,275.0	-806.5	-861.8	492,843.50	812,205.19	32° 21' 6.651 N	103° 27' 22.253 W
12,500.0	90.00	179.64	11,275.0	-906.5	-861.2	492,743.50	812,205.83	32° 21' 5.661 N	103° 27' 22.255 W
12,600.0	90.00	179.64	11,275.0	-1,006.5	-860.5	492,643.51	812,206.46	32° 21' 4.672 N	103° 27' 22.258 W
12,700.0	90.00	179.64	11,275.0	-1,106.5	-859.9	492,543.51	812,207.10	32° 21' 3.682 N	103° 27' 22.260 W
12,800.0	90.00	179.64	11,275.0	-1,206.5	-859.3	492,443.51	812,207.74	32° 21' 2.693 N	103° 27' 22.262 W
12,900.0	90.00	179.64	11,275.0	-1,306.5	-858.6	492,343.51	812,208.37	32° 21' 1.703 N	103° 27' 22.264 W
13,000.0	90.00	179.64	11,275.0	-1,406.5	-858.0	492,243.52	812,209.01	32° 21' 0.714 N	103° 27' 22.266 W
13,100.0	90.00	179.64	11,275.0	-1,506.5	-857.4	492,143.52	812,209.65	32° 20' 59.724 N	103° 27' 22.268 W
13,200.0	90.00	179.64	11,275.0	-1,606.5	-856.7	492,043.52	812,210.28	32° 20' 58.735 N	103° 27' 22.270 W
13,300.0	90.00	179.64	11,275.0	-1,706.5	-856.1	491,943.53	812,210.92	32° 20' 57.745 N	103° 27' 22.273 W
13,400.0	90.00	179.64	11,275.0	-1,806.5	-855.4	491,843.53	812,211.56	32° 20' 56.756 N	103° 27' 22.275 W
13,500.0	90.00	179.64	11,275.0	-1,906.5	-854.8	491,743.53	812,212.19	32° 20' 55.766 N	103° 27' 22.277 W
13,600.0	90.00	179.64	11,275.0	-2,006.5	-854.2	491,643.53	812,212.83	32° 20' 54.777 N	103° 27' 22.279 W
13,700.0	90.00	179.64	11,275.0	-2,106.5	-853.5	491,543.54	812,213.47	32° 20' 53.787 N	103° 27' 22.281 W
13,800.0	90.00	179.64	11,275.0	-2,206.5	-852.9	491,443.54	812,214.10	32° 20' 52.798 N	103° 27' 22.283 W
13,900.0	90.00	179.64	11,275.0	-2,306.5	-852.3	491,343.54	812,214.74	32° 20' 51.808 N	103° 27' 22.285 W
14,000.0	90.00	179.64	11,275.0	-2,406.5	-851.6	491,243.54	812,215.38	32° 20' 50.819 N	103° 27' 22.287 W
14,100.0	90.00	179.64	11,275.0	-2,506.5	-851.0	491,143.55	812,216.01	32° 20' 49.829 N	103° 27' 22.290 W
14,200.0	90.00	179.64	11,275.0	-2,606.5	-850.4	491,043.55	812,216.65	32° 20' 48.840 N	103° 27' 22.292 W
14,300.0	90.00	179.64	11,275.0	-2,706.5	-849.7	490,943.55	812,217.28	32° 20' 47.850 N	103° 27' 22.294 W
14,400.0	90.00	179.64	11,275.0	-2,806.5	-849.1	490,843.55	812,217.92	32° 20' 46.861 N	103° 27' 22.296 W
14,500.0	90.00	179.64	11,275.0	-2,906.5	-848.4	490,743.56	812,218.56	32° 20' 45.871 N	103° 27' 22.298 W
14,600.0	90.00	179.64	11,275.0	-3,006.5	-847.8	490,643.56	812,219.19	32° 20' 44.882 N	103° 27' 22.300 W
14,700.0	90.00	179.64	11,275.0	-3,106.5	-847.2	490,543.56	812,219.83	32° 20' 43.892 N	103° 27' 22.302 W
14,800.0	90.00	179.64	11,275.0	-3,206.5	-846.5	490,443.57	812,220.47	32° 20' 42.903 N	103° 27' 22.304 W
14,900.0	90.00	179.64	11,275.0	-3,306.5	-845.9	490,343.57	812,221.10	32° 20' 41.913 N	103° 27' 22.307 W
15,000.0	90.00	179.64	11,275.0	-3,406.5	-845.3	490,243.57	812,221.74	32° 20' 40.924 N	103° 27' 22.309 W
15,100.0	90.00	179.64	11,275.0	-3,506.4	-844.6	490,143.57	812,222.38	32° 20' 39.934 N	103° 27' 22.311 W
15,200.0	90.00	179.64	11,275.0	-3,606.4	-844.0	490,043.58	812,223.01	32° 20' 38.945 N	103° 27' 22.313 W
15,300.0	90.00	179.64	11,275.0	-3,706.4	-843.4	489,943.58	812,223.65	32° 20' 37.955 N	103° 27' 22.315 W
15,400.0	90.00	179.64	11,275.0	-3,806.4	-842.7	489,843.58	812,224.29	32° 20' 36.966 N	103° 27' 22.317 W
15,500.0	90.00	179.64	11,275.0	-3,906.4	-842.1	489,743.58	812,224.92	32° 20' 35.976 N	103° 27' 22.319 W
15,600.0	90.00	179.64	11,275.0	-4,006.4	-841.4	489,643.59	812,225.56	32° 20' 34.987 N	103° 27' 22.322 W
15,700.0	90.00	179.64	11,275.0	-4,106.4	-840.8	489,543.59	812,226.19	32° 20' 33.997 N	103° 27' 22.324 W
15,800.0	90.00	179.64	11,275.0	-4,206.4	-840.2	489,443.59	812,226.83	32° 20' 33.008 N	103° 27' 22.326 W

Database:	Old	**Local Co-ordinate Reference:**	Well Maxus #09H
Company:	BTA Oil Producers, LLC	**TVD Reference:**	GL @ 3410.0usft
Project:	Lea County, NM (NAD 83)	**MD Reference:**	GL @ 3410.0usft
Site:	Maxus	**North Reference:**	Grid
Well:	Maxus #09H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,900.0	90.00	179.64	11,275.0	-4,306.4	-839.5	489,343.59	812,227.47	32° 20' 32.018 N	103° 27' 22.328 W
16,000.0	90.00	179.64	11,275.0	-4,406.4	-838.9	489,243.60	812,228.10	32° 20' 31.029 N	103° 27' 22.330 W
16,100.0	90.00	179.64	11,275.0	-4,506.4	-838.3	489,143.60	812,228.74	32° 20' 30.039 N	103° 27' 22.332 W
16,200.0	90.00	179.64	11,275.0	-4,606.4	-837.6	489,043.60	812,229.38	32° 20' 29.050 N	103° 27' 22.334 W
16,300.0	90.00	179.64	11,275.0	-4,706.4	-837.0	488,943.61	812,230.01	32° 20' 28.060 N	103° 27' 22.336 W
16,400.0	90.00	179.64	11,275.0	-4,806.4	-836.4	488,843.61	812,230.65	32° 20' 27.071 N	103° 27' 22.339 W
16,500.0	90.00	179.64	11,275.0	-4,906.4	-835.7	488,743.61	812,231.29	32° 20' 26.081 N	103° 27' 22.341 W
16,600.0	90.00	179.64	11,275.0	-5,006.4	-835.1	488,643.61	812,231.92	32° 20' 25.092 N	103° 27' 22.343 W
16,700.0	90.00	179.64	11,275.0	-5,106.4	-834.4	488,543.62	812,232.56	32° 20' 24.102 N	103° 27' 22.345 W
16,800.0	90.00	179.64	11,275.0	-5,206.4	-833.8	488,443.62	812,233.20	32° 20' 23.113 N	103° 27' 22.347 W
16,900.0	90.00	179.64	11,275.0	-5,306.4	-833.2	488,343.62	812,233.83	32° 20' 22.123 N	103° 27' 22.349 W
17,000.0	90.00	179.64	11,275.0	-5,406.4	-832.5	488,243.62	812,234.47	32° 20' 21.134 N	103° 27' 22.351 W
17,100.0	90.00	179.64	11,275.0	-5,506.4	-831.9	488,143.63	812,235.10	32° 20' 20.144 N	103° 27' 22.353 W
17,200.0	90.00	179.64	11,275.0	-5,606.4	-831.3	488,043.63	812,235.74	32° 20' 19.155 N	103° 27' 22.356 W
17,300.0	90.00	179.64	11,275.0	-5,706.4	-830.6	487,943.63	812,236.38	32° 20' 18.165 N	103° 27' 22.358 W
17,400.0	90.00	179.64	11,275.0	-5,806.4	-830.0	487,843.63	812,237.01	32° 20' 17.176 N	103° 27' 22.360 W
17,500.0	90.00	179.64	11,275.0	-5,906.4	-829.4	487,743.64	812,237.65	32° 20' 16.186 N	103° 27' 22.362 W
17,600.0	90.00	179.64	11,275.0	-6,006.4	-828.7	487,643.64	812,238.29	32° 20' 15.197 N	103° 27' 22.364 W
17,700.0	90.00	179.64	11,275.0	-6,106.4	-828.1	487,543.64	812,238.92	32° 20' 14.207 N	103° 27' 22.366 W
17,800.0	90.00	179.64	11,275.0	-6,206.4	-827.4	487,443.65	812,239.56	32° 20' 13.218 N	103° 27' 22.368 W
17,900.0	90.00	179.64	11,275.0	-6,306.4	-826.8	487,343.65	812,240.20	32° 20' 12.228 N	103° 27' 22.370 W
18,000.0	90.00	179.64	11,275.0	-6,406.4	-826.2	487,243.65	812,240.83	32° 20' 11.239 N	103° 27' 22.373 W
18,100.0	90.00	179.64	11,275.0	-6,506.4	-825.5	487,143.65	812,241.47	32° 20' 10.249 N	103° 27' 22.375 W
18,200.0	90.00	179.64	11,275.0	-6,606.4	-824.9	487,043.66	812,242.11	32° 20' 9.260 N	103° 27' 22.377 W
18,300.0	90.00	179.64	11,275.0	-6,706.4	-824.3	486,943.66	812,242.74	32° 20' 8.270 N	103° 27' 22.379 W
18,400.0	90.00	179.64	11,275.0	-6,806.4	-823.6	486,843.66	812,243.38	32° 20' 7.281 N	103° 27' 22.381 W
18,500.0	90.00	179.64	11,275.0	-6,906.4	-823.0	486,743.66	812,244.02	32° 20' 6.291 N	103° 27' 22.383 W
18,600.0	90.00	179.64	11,275.0	-7,006.4	-822.4	486,643.67	812,244.65	32° 20' 5.302 N	103° 27' 22.385 W
18,700.0	90.00	179.64	11,275.0	-7,106.4	-821.7	486,543.67	812,245.29	32° 20' 4.312 N	103° 27' 22.387 W

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
Maxus #9H BHL	0.00	0.00	11,275.0	-7,375.0	-820.0	486,275.00	812,247.00	32° 20' 1.654 N	103° 27' 22.393 W
- plan misses target center by 268.7usft at 18700.0usft MD (11275.0 TVD, -7106.4 N, -821.7 E)									
- Point									

BTA Oil Producers, LLC

T G M

Azimuths to Grid North
True North: -0.47°
Magnetic North: 7.23°

Magnetic Field
Strength: 48884.8nT
Dip Angle: 60.38°
Date: 12/31/2009
Model: IGRF200510

WELL DETAILS: Maxus #09H

+N/-S	+E/-W	Northing	Ground Level Easting	3410.0 Latittude	Longitude
0.0	0.0	493650.00	813067.00	32° 21' 14.561 N	103° 27' 12.130 W

SITE DETAILS: Maxus

Site Centre Northing: 486041.54
Easting: 810169.59

Positional Uncertainity: 0.0
Convergence: 0.47
Local North: Grid

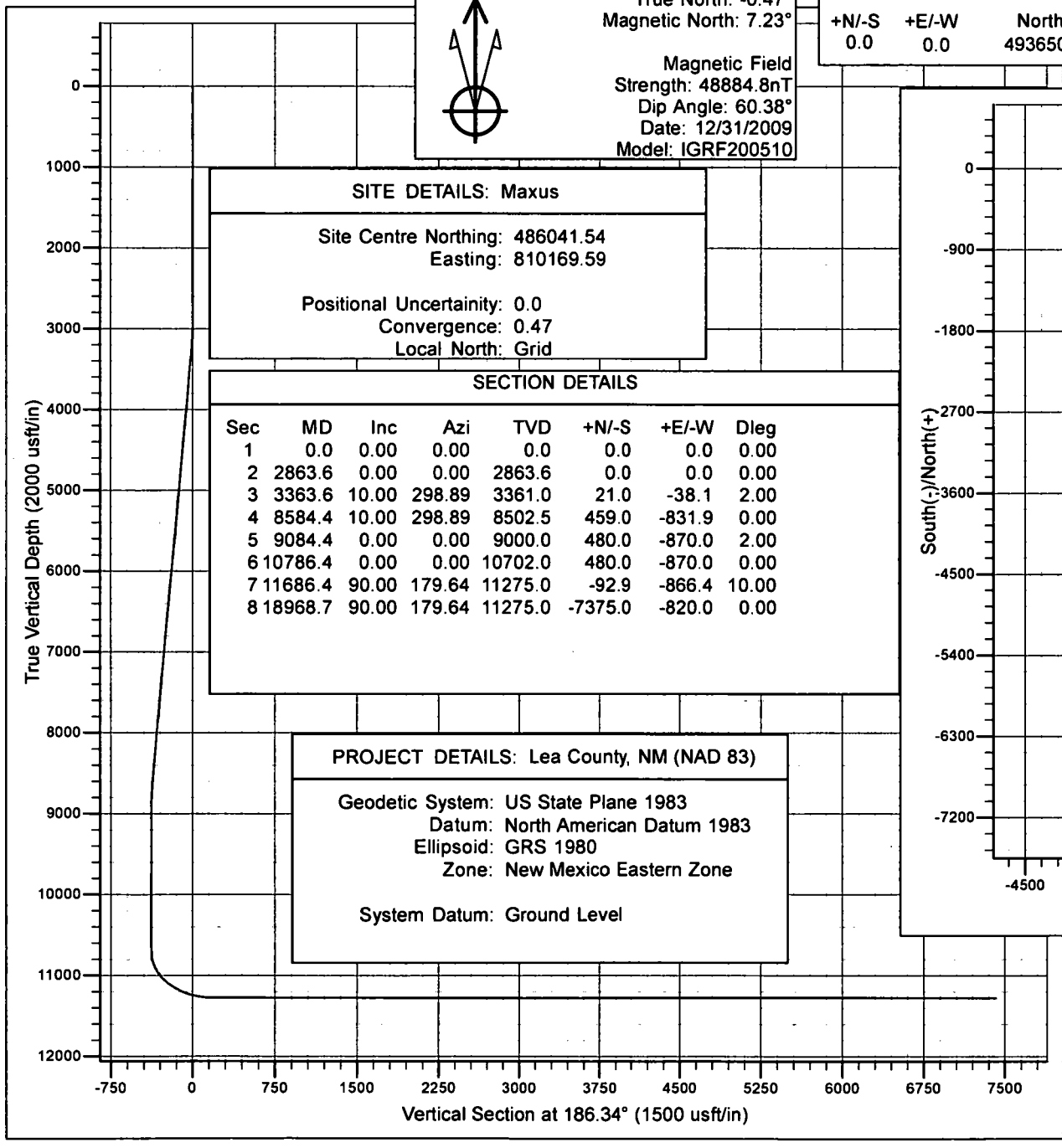
SECTION DETAILS

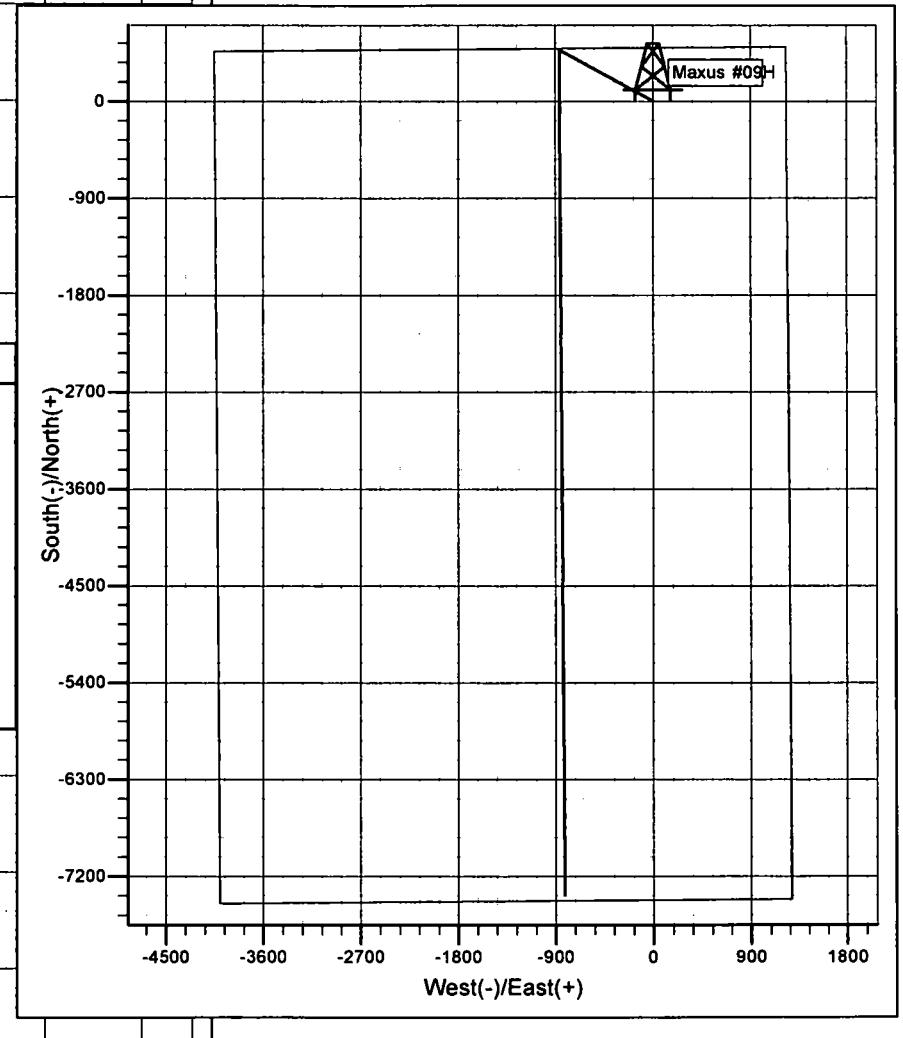
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00
2	2863.6	0.00	0.00	2863.6	0.0	0.0	0.00
3	3363.6	10.00	298.89	3361.0	21.0	-38.1	2.00
4	8584.4	10.00	298.89	8502.5	459.0	-831.9	0.00
5	9084.4	0.00	0.00	9000.0	480.0	-870.0	2.00
6	10786.4	0.00	0.00	10702.0	480.0	-870.0	0.00
7	11686.4	90.00	179.64	11275.0	-92.9	-866.4	10.00
8	18968.7	90.00	179.64	11275.0	-7375.0	-820.0	0.00

PROJECT DETAILS: Lea County, NM (NAD 83)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

System Datum: Ground Level





Install the Casing Head

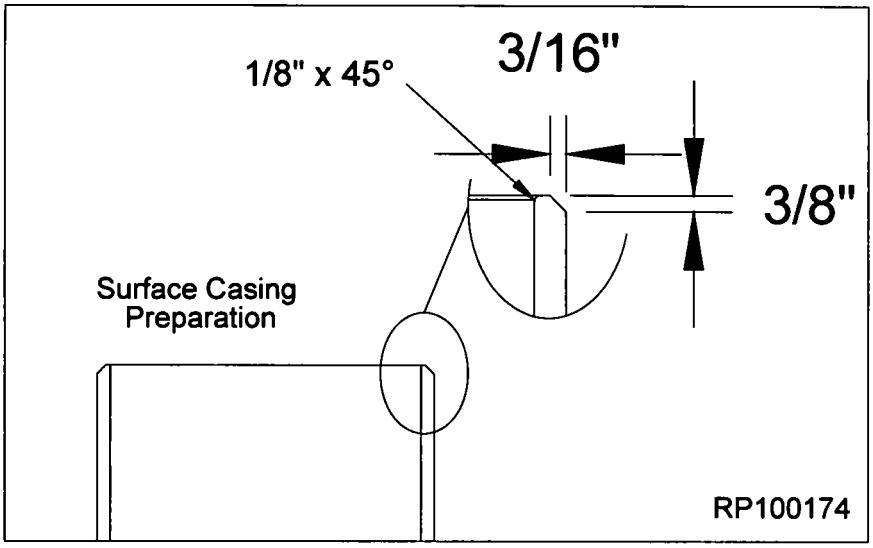
1. Examine the ***WFT Casing Head***. Verify the following:
   - bore is clean and free of debris
   - seal areas, threads and ring grooves are clean and undamaged
   - o-ring is properly installed, clean and undamaged
   - all peripheral equipment is intact and undamaged
2. Measure the pocket depth of the Casing Head and record this dimension.
3. Run the surface casing and cement as required.
4. Determine the required elevation of the Casing Head as required by the Drilling Supervisor.
5. Use the following calulation to determine the correct final cut location of the surface casing.

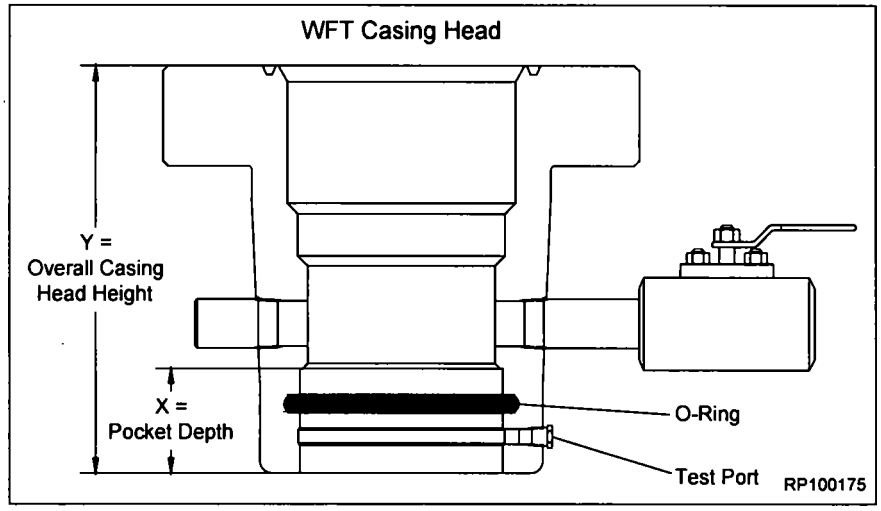
X = Pocket Depth

Y = Overall Casing Head Height

Y - X = Distance from correct elevation point to surface casing cutoff height.

6. Lift the riser assembly high enough to rough cut the surface casing a minimum of 12" above the anticipated final cut location, if applicable.
7. Remove the spent portion of surface casing and the riser assembly and set aside.
8. Determine the correct elevation for the wellhead assembly.
9. Rough cut the surface casing a minimum of 12" above the final cut location.
10. Cut the conductor pipe a comfortable level below the final cut location of the surface casing.





11. Final cut the surface casing at the correct elevation.

NOTE: Ensure the cut on the surface casing is level as this will determine the orientation of the remainder of the wellhead equipment.

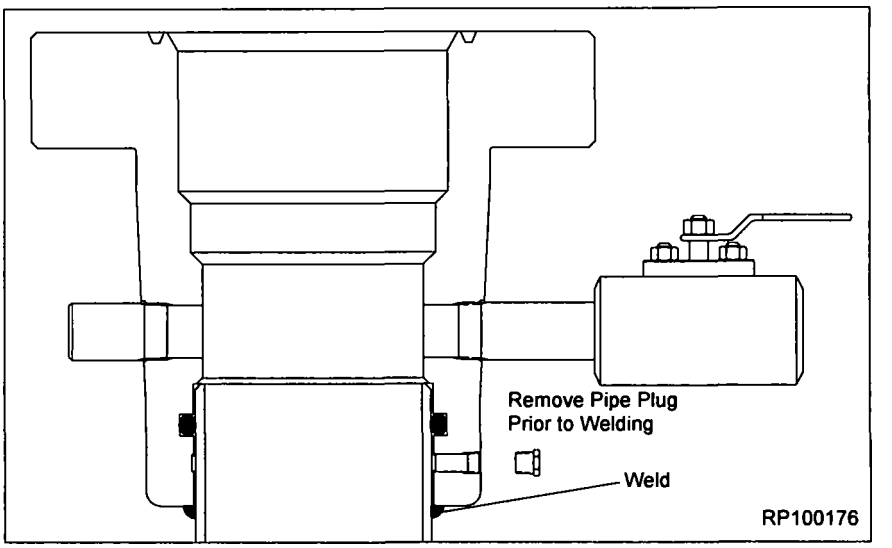
12. Bevel the surface casing with a 3/16" x 3/8" bevel and remove any sharp edges from the OD of the casing.
13. Break a 1/8" x 45° bevel on the ID of the surface casing.

Install the Casing Head

14. Wipe the ID of the o-ring of the Casing Head with a light coat of oil or grease.

NOTE: Excessive oil or grease will prevent a positive seal from forming.

15. Lower the Casing Head over the surface casing stub to a positive stop.
16. Remove the fitting from the test port and set aside.
17. Orient the Casing Head as per the Drilling Superintendents instructions ensuring the face of the Casing Head is level and two holed to the drilling rig substructure.
18. Weld and test the surface casing to the Casing Head as per the ***RECOMMENDED FIELD WELDING PROCEDURE*** located in the back of this manual.
19. Once all welding and testing is completed, replace the fitting into the open port and close the valve on the Casing Head.



Recommended Procedure for Field Welding Pipe to Well-head Parts for Pressure Seal

1. **Introduction and Scope.** The following recommended procedure has been prepared with particular regard to attaining pressure-tight weld when attaching casing heads, flanges, etc., to casing. Although most of the high strength casing used (such as N-80) is not normally considered field weldable, some success may be obtained by using the following or similar procedures.

   Caution: In some wellheads, the seal weld is also a structural weld and can be subjected to high tensile stresses. Consideration must therefore be given by competent authority to the mechanical properties of the weld and its heat affected zone.

   a. The steels used in wellhead parts and in casing are high strength steels that are susceptible to cracking when welded. It is imperative that the finished weld and adjacent metal be free from cracks. The heat from welding also affects the mechanical properties. This is especially serious if the weld is subjected to service tension stresses.

   b. This procedure is offered only as a recommendation. The responsibility for welding lies with the user and results are largely governed by the welder's skill. Weldability of the several makes and grades of casing varies widely, thus placing added responsibility on the welder. Transporting a qualified welder to the job, rather than using a less-skilled man who may be at hand, will, in most cases, prove economical. The responsible operating representative should ascertain the welder's qualifications and, if necessary, assure himself by instruction or demonstration, that the welder is able to perform the work satisfactorily.

2. **Welding Conditions.** Unfavorable welding conditions must be avoided or minimized in every way possible, as even the most skilled welder cannot successfully weld steels that are susceptible to cracking under adverse working conditions, or when the work is rushed. Work above the welder on the drilling floor should be avoided> The weld should be protected from dripping mud, water, and oil and from wind, rain, or other adverse weather conditions. The drilling mud, water, or other fluids must be lowered in the casing and kept at a low level until the weld has properly cooled. It is the responsibility of the user to provide supervision that will assure favorable working conditions, adequate time, and the necessary cooperation of the rig personnel.

3. **Welding.** The welding should be done by the shielded metal-arc or other approved process.

4. **Filler Metal.** Filler Metals. For root pass, it's recommended to use E6010, E6011 (AC), E6019 or equivalent electrodes. The E7018 or E7018-A1 electrodes may also be used for root pass operations but has the tendency to trap slag in tight grooves. The E6010, E6011 and E6019 offer good penetration and weld deposit ductility with relatively high intrinsic hydrogen content. Since the E7018 and E7018-A1 are less susceptible to hydrogen induced cracking, it is recommended for use as the filler metal for completion of the weld groove after the root pass is completed. The E6010, E6011 (AC), E6019, E7018 and E7018-A1 are classified under one of the following codes AWS A5.1 (latest edition): Mild Steel covered electrodes or the AWS A5.5 (latest edition): Low Alloy Steel Covered Arc-Welding Electrodes. The low hydrogen electrodes, E7018 and E7018-A1, should not be exposed to the atmosphere until ready for use. It's recommended that hydrogen electrodes remain in their sealed containers. When a job arises, the container shall be opened and all unused remaining electrodes to be stored in heat electrode storage ovens. Low hydrogen electrodes exposed to the atmosphere, except water, for more than two hours should be dried 1 to 2 hours at 600°F to 700 °F (316°C to 371 °C) just before use. It's recommended for any low hydrogen electrode containing water on the surface should be scrapped.

5. **Preparation of Base Metal.** The area to be welded should be dry and free of any paint, grease/oil and dirt. All rust and heat-treat surface scale shall be ground to bright metal before welding.

6. **Preheating.** Prior to any heating, the wellhead member shall be inspected for the presence of any o-rings or other polymeric seals. If any o-rings or seals are identified then preheating requires close monitoring as noted in paragraph 6a. Before applying preheat, the fluid should be bailed out of the casing to a point several inches (>6" or 150 mm) below the weld joint/location. Preheat both the casing and wellhead member for a minimum distance of three (3) inches on each side of the weld joint using a suitable preheating torch in accordance with the temperatures shown below in a and b. The preheat temperature should be checked by the use of heat sensitive crayons. Special attention must be given to preheating the thick sections of wellhead parts to be welded, to insure uniform heating and expansion with respect to the relatively thin casing.

   a. Wellhead members containing o-rings and other polymeric seals have tight limits on the preheat and interpass temperatures. Those temperatures must be controlled at 200°F to 325°F or 93 °C to 160°C and closely monitored to prevent damage to the o-ring or seals.

   b. Wellhead members not containing o-rings and other polymeric seals should be maintained at a preheat and interpass temperature of 400°F to 600°F or 200°C to 300°C.

Recommended Procedure for Field Welding Pipe to Wellhead Parts for Pressure Seal (continued)

7. **Welding Technique.** Use a 1/8 or 5/32-inch (3.2 or 4.0 mm) E6010 or E7018 electrode and step weld the first bead (root pass); that, weld approximately 2 to 4 inches (50 to 100 mm) and then move diametrically opposite this point and weld 2 to 4 inches (50 to 100 mm) halfway between the first two welds, move diametrically opposite this weld, and so on until the first pass is completed. This second pass should be made with a 5/32-inch (4.0 mm) low hydrogen electrode of the proper strength and may be continuous. The balance of the welding groove may then be filled with continuous passes without back stepping or lacing, using a 3/16-inch (4.8 mm) low hydrogen electrode. All beads should be stringer beads with good penetration. There should be no undercutting and weld shall be workmanlike in appearance.

   a. Test ports should be open when welding is performed to prevent pressure buildup within the test cavity.

   b. During welding the temperature of the base metal on either side of the weld should be maintained at 200 to 300°F (93 to 149°C).

   c. Care should be taken to insure that the welding cable is properly grounded to the casing, but ground wire should not be welded to the casing or the wellhead. Ground wire should be firmly clamped to the casing, the wellhead, or fixed in position between pipe slips. Bad contact may cause sparking, with resultant hard spots beneath which incipient cracks may develop. The welding cable should not be grounded to the steel derrick, nor to the rotary-table base.

8. **Cleaning.** All slag or flux remaining on any welding bead should be removed before laying the next bead. This also applies to the completed weld.

9. **Defects.** Any cracks or blow holes that appear on any bead should be removed to sound metal by chipping or grinding before depositing the next bead.

10. **Postheating.** Post-heating should be performed at the temperatures shown below and held at that temperature for no less than one hour followed by a slow cooling. The post-heating temperature should be in accordance with the following paragraphs.

    a. Wellhead members containing o-rings and other polymeric seals have tight limits on the post-heating temperatures. Those temperatures must be controlled at 250°F to 300°F or 120 °C to 150°C and closely monitored to prevent damage to the o-ring or seals.

    b. Wellhead members not containing o-rings and other polymeric seals should be post-heated at a temperature of 400°F to 600°F or 200°C to 300°C.

11. **Cooling. Rapid cooling must be avoided.** To assure slow cooling, welds should be protected from extreme weather conditions (cold, rain, high winds, etc.) by the use of suitable insulating material. (Specially designed insulating blankets are available at many welding supply stores.) Particular attention should be given to maintaining uniform cooling of the thick sections of the wellhead parts and the relatively thin casing, as the relatively thin casing will pull away from the head or hanger if allowed to cool more rapidly. The welds should cool in air to less than 200°F (93°C) (measured with a heat sensitive crayon) prior to permitting the mud to rise in the casing.

12. **Test the Weld.** After cooling, test the weld. The weld must be cool otherwise the test media will crack the weld. The test pressure should be no more than 80% of the casing collapse pressure.

Test Media	
Acceptable Medias	**Unacceptable Medias**
Water Water Soluable Oil Inert Gas •Nitrogen •Argon Gas	Oxygen Acetylene Hydraulic Oil Motor Oil Brake Fluid

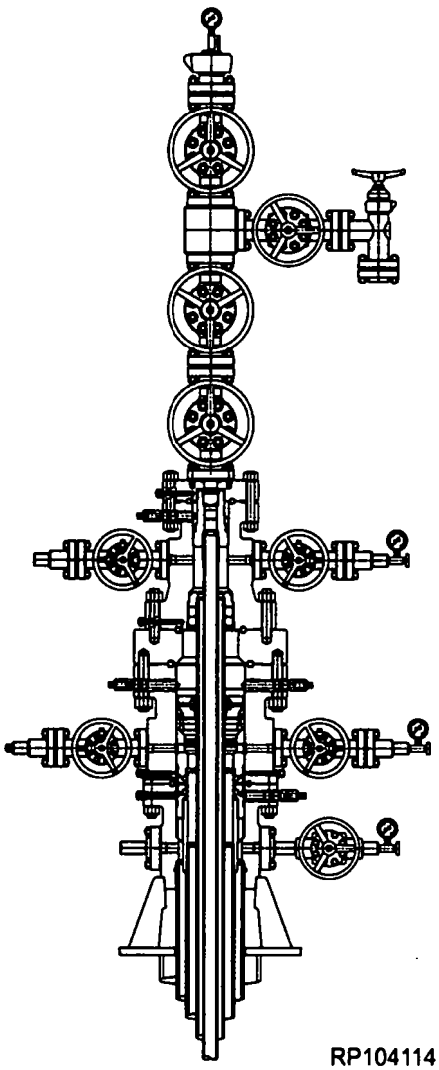
Weatherford®

Wellhead Field Service Manual

WFT-SB Wellhead System Running Procedure

Publication: SM-11-1

Release Date: December 2014



RP104114

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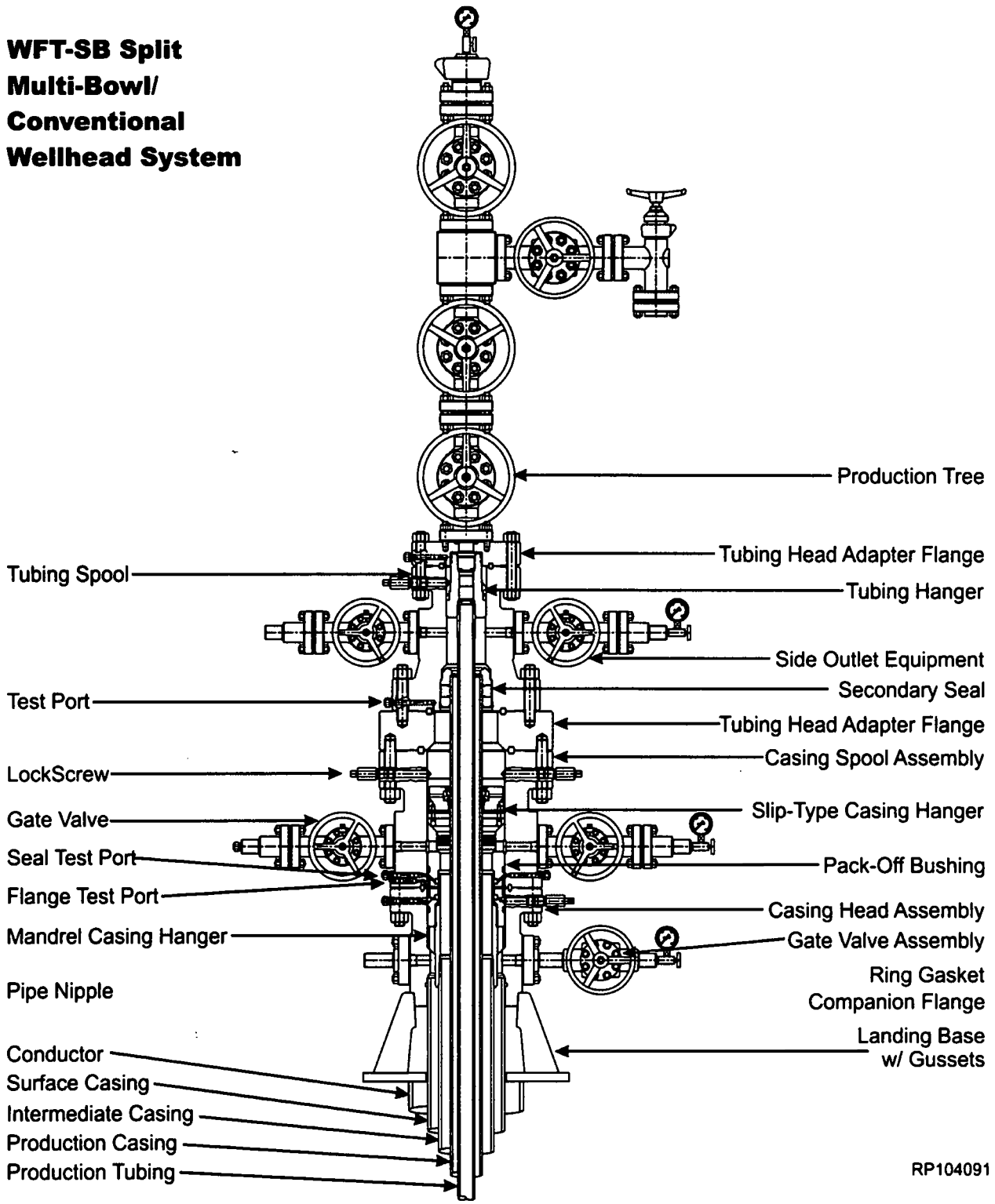
WFT-Split Bowl (SB) Wellhead System

Running Procedure

WFT-SB Split Multi-Bowl/ Conventional Wellhead System



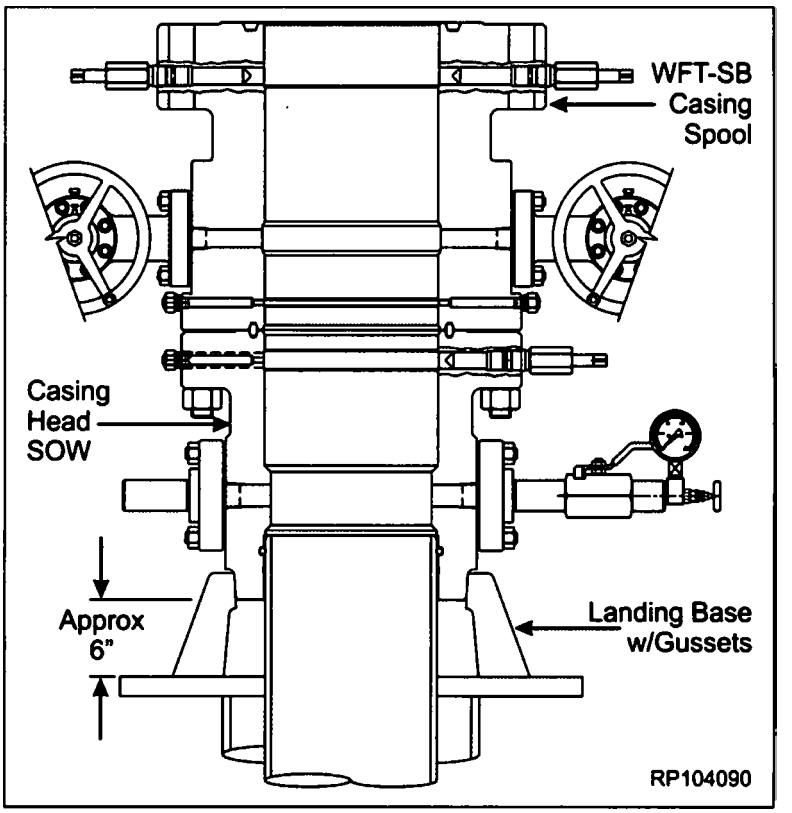
WFT-SB Casing Head/Spool Assembly Rig Up and Installation

1. Determine the correct elevation for the wellhead system, and cut the conductor pipe at a comfortable elevation, below the surface casing final cut.

NOTE

Ensure that the cut on the conductor is level, as this will determine the orientation of all remaining wellhead equipment.

2. Remove any excess conductor pipe and set aside.
3. Grind the conductor pipe and remove any sharp edges, ensuring that the conductor pipe cut is level.
4. Run the surface casing to the required depth and cement casing in place. Allow the cement to set.
5. Lift the blow-out preventer (BOP) or diverter and prepare to cut off the surface casing at a sufficient height above the cellar deck to facilitate the installation of the WFT-SB Casing Head/Spool Assembly with Base Plate.
6. Once the surface casing is released from the rig floor, cut it approximately 12 inches (or more) above the final cut location.
7. Remove the excess surface casing, and the BOP or diverter, and set aside.
8. Bevel the surface casing outer diameter (3/16" x 3/8") and inner diameter (1/8" x 45 degrees). Remove any sharp edges.
9. Examine the Casing Head with Slip-On Weld (SOW) bottom prep. Verify the following:
   - O-ring seal, bore, ports and exposed ring grooves are clean and in good condition.
   - Test fittings, studs and nuts, valves, flanges and bull plugs are intact and in good condition.



10. Determine the correct elevation for the wellhead assembly. Measure depth of the surface casing socket in SOW with O-ring bottom prep.
11. Lightly lubricate the casing stub with an oil or light grease.

WARNING

Excessive oil or grease will prevent a positive seal from forming.

12. Align and level the WFT-SB Casing Head/Spool Assembly over the casing stub, orienting the outlets to drilling equipment, per the drilling supervisor's direction.

14. Slowly and carefully lower the assembly over the casing stub until the stub bottoms in the casing socket.
15. Remove the test fitting from the casing head test port, and set aside.
16. Ensure that the WFT-SB Casing Head/Spool Assembly is plumb and level.
17. Weld and test the surface casing using the recommended welding procedure located in the Appendices Section of this manual.

Testing the BOP Stack

1. Examine the Test Plug/Running & Retrieval Tool. Verify the following:

- Elastomer seals, threads and plugs are intact and in good condition.
- Drill pipe threads are correct size, clean and in good condition.

2. Install a new, appropriately sized ring gasket in the ring groove of the WFT-SB Spool and make up the BOP stack.

NOTE

Immediately after make-up of the BOP stack and periodically during drilling of hole for the casing string, the BOP stack (flanged connections and rams) must be tested.

3. Orient the test plug with elastomer down/ACME threads up, and make up a joint of drill pipe to the test plug.

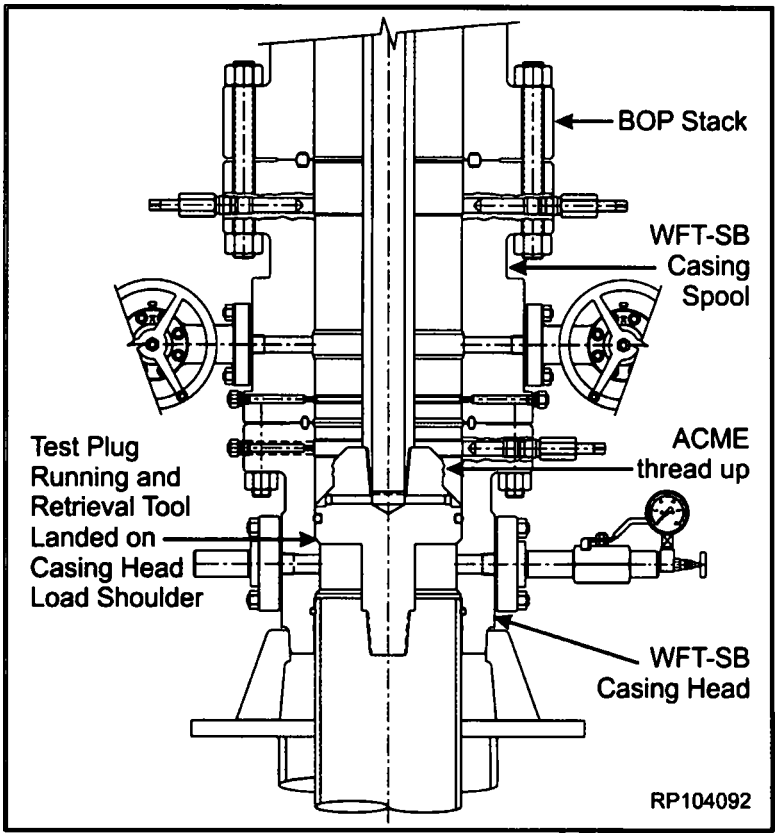
NOTE

If pressure is to be supplied through the drill pipe, remove the pipe plug from the weep port.

CAUTION

Ensure that the test plug elastomer is down and Acme threads are up when testing.

4. Fully retract all lockscrews in the entire WFT-SB casing head/spool assembly.
5. Lubricate the test plug elastomer seal with a light oil or grease.
6. Lower the test plug through the BOP stack into the WFT-SB assembly, until it lands on the casing head load shoulder.



7. Open lower casing head side outlet valve. Monitor any leakage past the test plug seal.
8. Close the BOP rams on the drill pipe, and test to **5,000 psi or as required by the drilling supervisor**.
9. After a satisfactory test is achieved, release pressure and open the rams.
10. Remove as much fluid from the BOP stack as possible.
11. Retrieve the test plug assembly slowly to avoid damage to the seal.
12. Close all outlet valves on WFT-SB Casing Head/Spool Assembly.
13. Repeat Steps 1 thru 12, as required during drilling of the hole.

Running and Retrieval of the Long Bowl Protector

NOTE

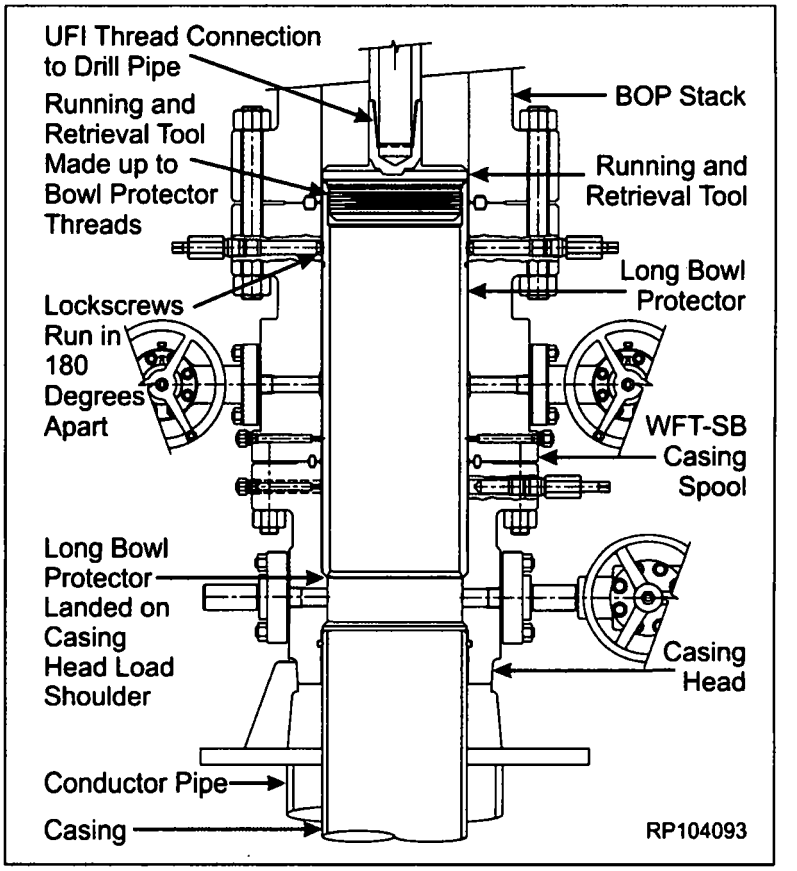
Always use a bowl protector while drilling to protect wellhead load shoulders from damage by drill bit or rotating drill pipe. The bowl protector must be retrieved prior to running the casing string.

Running in the Bowl Protector prior to Drilling

1. Examine the Long Bowl Protector. Verify the following:
   - Bore drift is correct size, clean, in good condition, and free of debris
   - Threads are clean and undamaged
   - O-ring seals are properly installed, clean, and undamaged.
2. Examine the Bowl Protector Running/Retrieval Tool. Verify the following:
   - Threads are clean, undamaged and free of debris
   - Ports are clean and unobstructed.
   - Drill Pipe threads are correct size, clean and in good condition.
3. Orient the Bowl Protector Running Tool with Acme threads down.

CAUTION

Ensure that the left hand (LH) Acme threads are down prior to engaging Bowl Protector Running Tool into Long Bowl Protector.



4. Make-up a drill pipe joint to the Running Tool.
5. Thread Running Tool into the Long Bowl Protector, rotating two turns counterclockwise.
6. Verify that all lockscrews in the WFT-SB Casing Head/Spool Assembly are fully retracted.
7. Slowly lower the Running Tool/Bowl Protector Assembly through the BOP stack and into the WFT-SB Casing Head/Spool Assembly, until it lands securely on the casing head load shoulder.
8. On WFT-SB Casing Spool, run in two Lockscrews ("snug" tight **ONLY**), 180 degrees apart, to hold Bowl Protector in place.

⚠WARNING⚠

Do NOT over tighten the lockscrews, as this will cause damage to the Bowl Protector and the lockscrews.

9. Remove the running tool from the bowl protector, by rotating the drill pipe clockwise two turns while lifting straight up.
10. Drill out and prepare to run the casing string per the drilling supervisor's instruction.

Retrieving the Bowl Protector after Drilling

1. Make-up the retrieval tool to the drill pipe, with Acme threads down.
2. Slowly lower the retrieval tool through the BOP Stack into the Bowl Protector.
3. Rotate the retrieval Tool counterclockwise, two turns, to engage with bowl protector Acme threads.
4. Fully retract both lockscrews on the WFT-SB casing spool, and retrieve the bowl protector.

NOTE

Ensure that all lockscrews in both the upper flange (casing spool) and lower flange (casing head) of the wellhead Assembly are fully retracted from well bore.

5. Remove the bowl protector and the running and retrieval tool from the drill floor.

Hanging off the Intermediate Casing

1. Run the intermediate casing as required and space out appropriately for the mandrel casing hanger.

NOTE

If the intermediate casing becomes stuck and the mandrel casing hanger cannot be landed, refer to STAGE 4B.

2. Examine the WFT-SBD-SN Mandrel Casing Hanger. Verify the following:
   - Bore drift is correct size, clean and free of debris
   - All threads are clean and undamaged.
   - Flow-By flutes are clear and unobstructed.
   - Slick Neck seal area is clean and undamaged.
3. Examine the Mandrel Casing Hanger Running Tool. Verify the following:
   - Threads are clean and in good condition.
   - O-ring seals are clean and undamaged.
4. Thread the mandrel hanger onto the last joint of casing to be run. Torque the connection thread to manufacturer's optimum "make-up" torque value.
5. Make up a landing joint to the top of the running tool. Torque the connection to thread manufacturer's maximum "make-up" torque valve.

⚠CAUTION⚠

If Steps 4 and 5 were performed prior to being shipped to location, the hanger running tool should be backed off and made back up to ensure it will back off freely.

6. Liberally lubricate the outer diameter of the hanger neck and inner diameter of the running tool O-ring seals with a light oil or grease.

⚠WARNING⚠

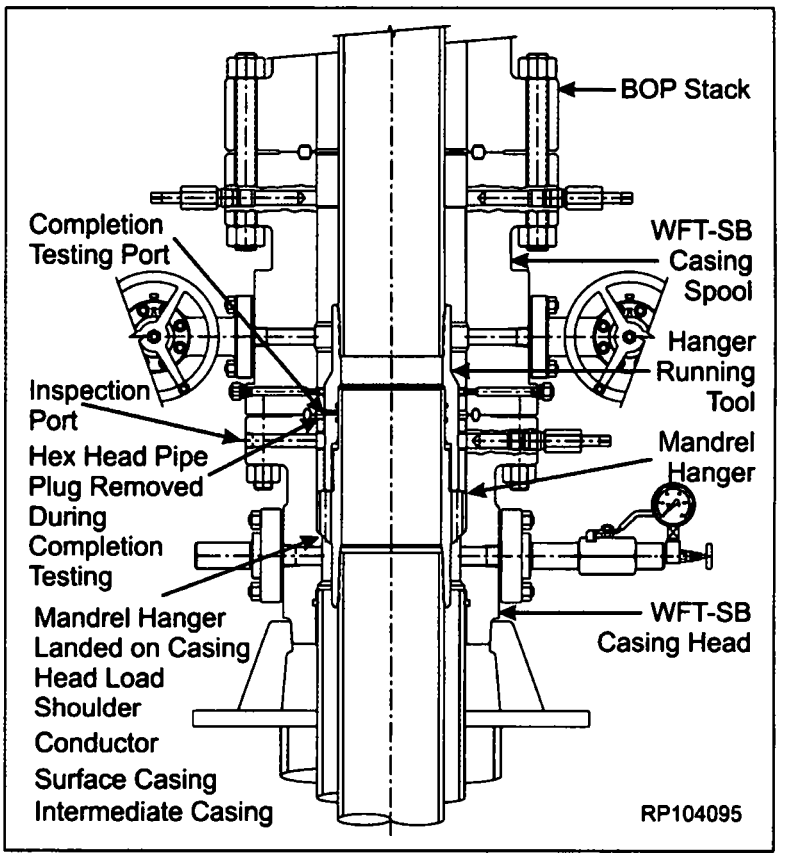
Do NOT use pipe dope or other metal based compounds. This will cause galling.

7. Maintaining a neutral weight, rotate the hanger running tool with chain tongs, first clockwise until a thread "jump" can be felt, then counterclockwise, approximately eight turns, to a positive stop, and then back off (clockwise) one quarter (1/4) turn.

⚠CAUTION⚠

Do NOT torque the running tool to the casing hanger connection. Do NOT back off more than one quarter (1/4) turn.

8. Remove the flush fitting hex head pipe plug from the outer diameter of the running tool and attach a test pump.
9. Apply hydraulic test pressure to **5,000 psi and hold for 15 minutes or as required by the drilling supervisor.**
10. Upon completion of a successful test, bleed off test pressure through the test pump and remove the pump. Replace the pipe plug.
11. Locate indicator groove machined in outer diameter of Running Tool, coat with white paint.
12. Verify that all lockscrews in the WFT-SB casing head/casing spool assembly are fully retracted.
13. Slowly and carefully lower the mandrel hanger through the BOP stack, and land the hanger onto the casing head load shoulder.
14. Slack off weight on the casing.
15. Check that the well is stable and no pressure buildup or mud flow is occurring.



16. Drain the BOP stack through the casing head side outlet valves.
17. Remove the pipe plug from the casing head flange port marked "Inspection Port."
18. Visually verify that the running tool groove is in the center of the inspection port, and that the mandrel hanger has landed properly.
19. Reinstall the pipe plug and tighten securely.
20. Place a paint mark on the landing joint level with the rig floor, and cement casing as required.

NOTE

If the casing is to be reciprocated during cementing, it is advisable to pick up the mandrel hanger a minimum of eight feet above the landing point. Place a mark on the landing joint, level with the rig floor, and then reciprocate above that point. If at any time resistance is felt, land the mandrel casing hanger immediately.

21. Retrieve the hanger running tool and landing joint by rotating landing joint clockwise (to the right), fourteen full turns.

Hanging off Intermediate Casing – Contingency Completion

NOTE

The following procedure should ONLY be followed if the intermediate casing should become stuck in the hole. If the casing did NOT get stuck and is successfully hung off with the mandrel casing hanger, skip this stage.

1. Cement the intermediate casing in accordance with the program, taking returns through the flow-by flutes of the mandrel casing hanger as required.
2. Drain the casing head bowl through the side outlet.
3. Separate the WFT-SB casing spool from the casing head.
4. Pull up on WFT-SB casing spool and suspend it above casing head, high enough to install a WFT-21 Slip Type Casing Hanger.
5. Wash out as required.
6. Examine the WFT-21 slip type casing hanger. Verify the following:
   - Hanger is correct size, clean and undamaged.
   - Slip segments are sharp and in proper position.
   - All screws are in place.
7. Remove the latch screw to open the slip type hanger.
8. Place two boards on the casing head flange, against the casing, to support the hanger.
9. Wrap the hanger around the casing and replace the latch screw.
10. Prepare to lower the hanger into the casing head bowl.
11. Grease the WFT-21 slip type casing hanger body and remove the slip retaining cap screws.
12. Remove the boards and allow the hanger to slide down into the casing head.

13. Once the hanger has landed securely on the casing head bowl load shoulder, pull tension on the casing to the desired hanging weight, and then slack off.

NOTE

A sharp decrease on weight indicator will signify that the hanger has taken weight. If this does not occur, pull tension again and slack once more.

14. Rough cut the casing approximately eight inches, or more, above the top of the casing head flange. Remove the excess casing.
15. Final cut the casing at 2 1/2" +/- 1/8" above casing head flange.
16. Bevel the casing outer diameter (1/4" x 30 degrees) and inner diameter (1/8" x 30 degrees).
17. Remove and discard the used gasket ring from the casing head.
18. Clean the mating ring grooves on the WFT-SB casing spool and casing head. Lightly wipe with oil or grease.

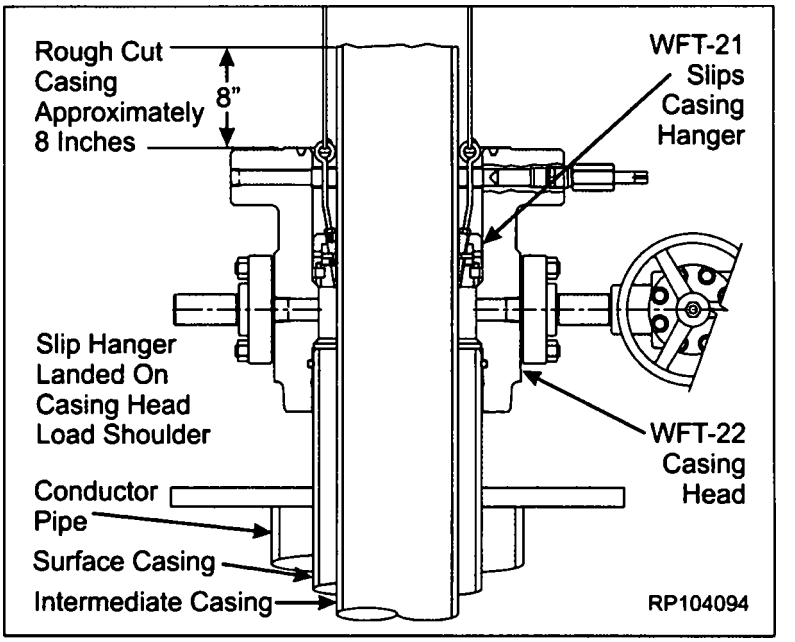
▲WARNING▲

Excessive oil or grease will prevent a positive seal from forming.

19. Install a new appropriately sized ring gasket into the casing head groove.
20. Loosely reconnect or make up the WFT-SB casing spool to the casing head.

NOTE

The casing spool to casing head connection will be fully tightened after the pack-off bushing is run and proper setting is verified.



Installation of the Pack-Off Bushing and Energizing the P-Seals

WFT-SB Pack-Off Bushing Installation

NOTE

Installation procedure is identical for both Standard and Emergency WFT-SB Pack-Off Bushings.

1. Determine which pack-off bushing to use:
   - If casing has been run normally and is hung off with a mandrel casing hanger, use a standard packoff bushing.
2. Examine the appropriate pack-off bushing. Verify the following:
   - All elastomer seals are in place and undamaged.
   - Bore, ports and alignment lugs are clean and in good condition.
   - Coat the lockscrew relief groove with white paint.
3. Liberally lubricate the inner diameter of the double P-seal grooves and outer diameter of dovetail seals with a light oil or grease.

4. Examine the pack-off bushing running tool. Verify the following:
   - All elastomer seals are properly installed, clean and undamaged
   - Threads are clean, undamaged and free of debris
   - Bore and ports are clean and unobstructed.
5. Make-up a landing joint to the running tool and rack back assembly.
6. Run two or three stands of heavy weight drill pipe or collars in the hole and set floor slips.

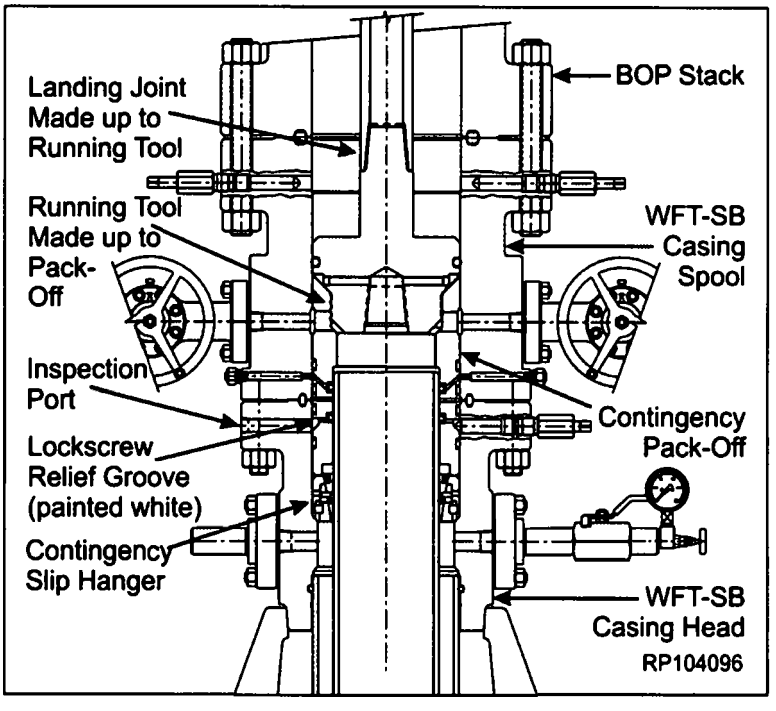
NOTE

Use heavy weight drill pipe or drill collars. Weight required to push Pack-Off Bushing into Casing Head, over Mandrel Hanger slick neck, is approximately 14,000 lbs.

⚠WARNING⚠

When lowering the drill pipe into the well, extreme caution must be taken to not damage the top of the mandrel hanger with the end of the drill pipe. It is recommended that the drill pipe be centralized to the hanger inner diameter, as closely as possible, when entering the hanger.

7. Carefully lower the bushing over the drill pipe and set it on top of floor slips.
8. Make up the landing joint/running tool assembly to the drill pipe suspended in floor slips.
9. Carefully pick up the pack-off bushing, thread the bushing into the running tool, then rotate the bushing approximately two turns counterclockwise (to the left), coming to a positive stop.
10. Lower the assembly through the BOP Stack and the WFT-SB spool assembly until the pack-off bushing lands on the casing hanger.



11. Verify, through inspection port that the pack-off bushing has landed properly after:
    - ensuring well is stable and no pressure buildup or mud flow is occurring.
    - drain BOP Stack through Casing Head side outlet valves.
    - remove Pipe Plug (1"-NPT) from Casing Head flange port marked "Inspection Port".
    - Check, to ensure, bottom of Lockscrew relief groove (painted white) on Support Bushing is at bottom of inspection port.
    - Reinstall Pipe Plug and tighten securely.
12. Fully run in all Casing Head Lockscrews (lower flange), in an alternating cross pattern.
13. Using two chain tongs, 180° apart, rotate Landing Joint/Running Tool approximately 2 turns clockwise (to the

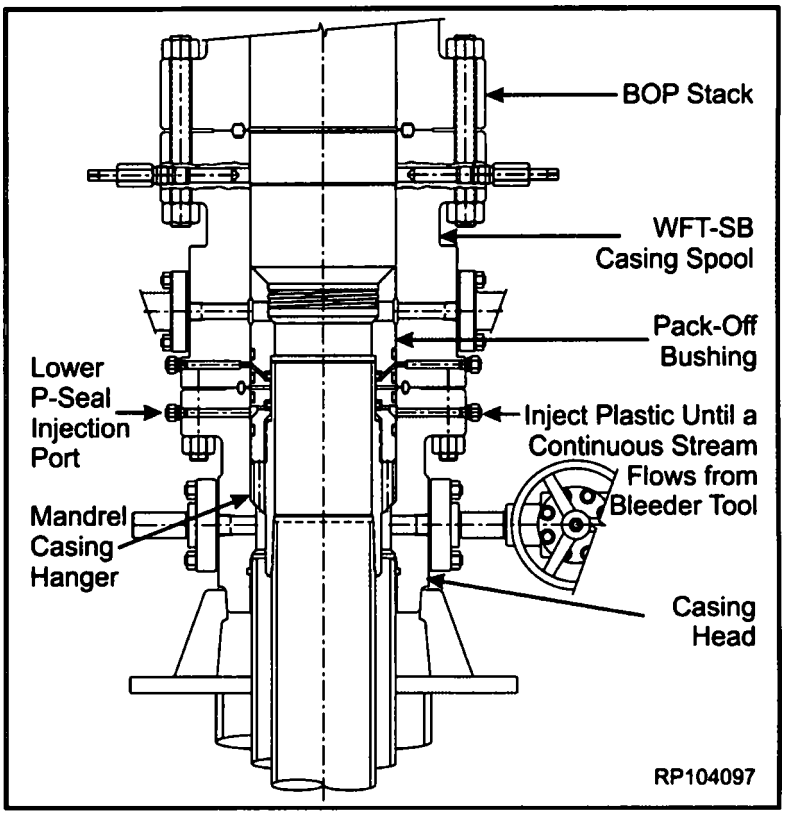
right), coming to a stop and carefully lift tool to Drill Floor, set aside.

NOTE

If the Contingency Pack-Off Bushing is being installed, it is now necessary to make up the Speed Head Casing Head/Casing Spool connection. Tighten all studs in an alternating cross pattern until the flange bolting is fully made up.

Energizing the P-Seals

1. Locate the two lower injection fittings ("INJ"), located 180 degrees apart on the casing head. Remove the dust cap from one fitting and remove the second fitting entirely.
2. Attach a bleeder tool to the injection fitting without the dust cap, in the casing head. Open the bleeder tool.
3. Attach a plastic injection tool to the open port and inject plastic packing into the port until a continuous stream flows from the bleeder tool. Close the bleeder tool.
4. Remove the injection tool. Reinstall the injection fitting into the open port and remove the dust cap. Reattach the injection tool.
5. Continue injecting plastic packing to **5,000 psi. or to 80% of casing collapse pressure, whichever is less.**



NOTE

The strength of a mandrel casing hanger slick neck is equivalent to P110 Grade casing with the same weight as run in the casing string.

6. Hold and monitor pressure for 15 minutes or as required by the drilling supervisor.
7. If pressure drops, the plastic packing has not filled the seal area completely. Open the bleeder tool, bleed off the pressure and repeat Steps 5 and 6, until pressure is stabilized.
8. Remove the plastic injection tool and bleeder tool. Reinstall the dust caps on both injection fittings.
9. Repeat Steps 1 thru 8 to pack off and energize the upper P-Seal.

10. Locate the "SEAL TEST" fitting, slightly below and 90 degrees from the injection fittings. Remove the dust cap from this fitting.
11. Attach a test pump to the fitting.
12. Pump clean test fluid between the P-Seals until a test pressure of **5,000 psi or 80% of casing collapse pressure is attained, whichever is lower.**

⚠WARNING⚠

Do NOT exceed 80% of casing collapse pressure when a slip type casing hanger and contingency pack-off bushing are utilized.

13. Hold test pressure for **15 minutes or as required by the drilling supervisor.**
14. If pressure drops, a leak has developed. Take the appropriate action per the following table:

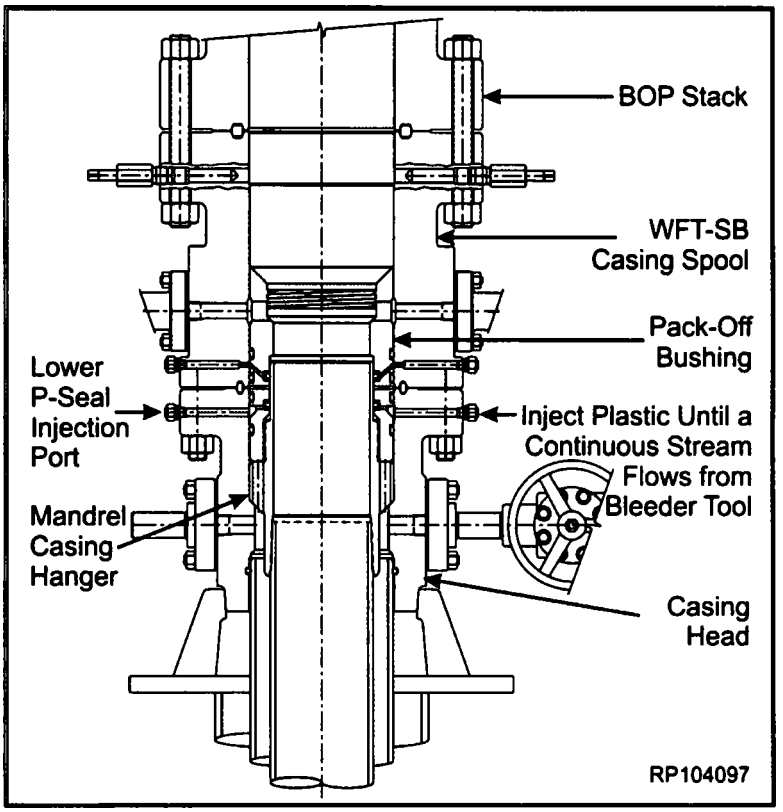
Leak Location	Cause	Action
Into the bore of the casing head	Upper P-seal leaking	Bleed off pressure and re-inject plastic packing into leaking upper P-seal port.
Around the casing	Lower P-Seal leaking	Bleed off pressure and re-inject plastic packing into lower P-seal port.

15. Repeat Steps 12 thru 14 until a satisfactory test is achieved.
16. Once a satisfactory test is achieved, carefully bleed off pressure and remove Test Pump.
17. Attach the bleeder tool to the test port fitting and open the tool to vent any remaining trapped pressure.

⚠CAUTION⚠

Always direct the bleeder tool port away from people and property.

18. Remove the bleeder tool and reinstall dust cap in Test Port Fitting.



Retesting the BOP Stack

1. Examine the Test Plug/Running Tool. Verify the following:
   - Elastomer seals are intact and in good condition.
   - Drill pipe threads are clean and in good condition.

NOTE

Immediately after testing the support bushing seals and periodically during conditioning of the hole prior to running tubing, the BOP stack (flanged connections and rams) must be tested.

2. Orient the test plug with elastomer down/ACME threads up. Make up a joint of drill pipe to the test plug.

NOTE

Remove the pipe plug from the weep port if pressure is to be supplied through the drill pipe.

▲CAUTION▲

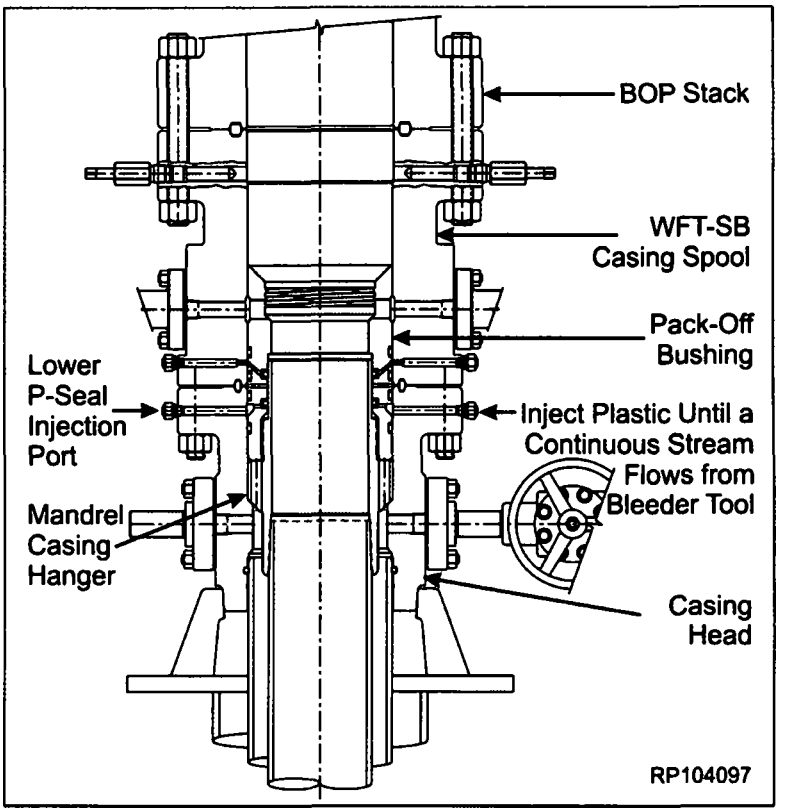
Make sure the elastomer is down and ACME threads are up when testing.

3. Fully retract all lockscrews in the upper WFT-SB Spool Assembly.

▲WARNING▲

Do NOT retract the lockscrews located in the casing head (lower flange). Doing so could allow the pack-off support bushing to rise out of position.

4. Lubricate the test plug elastomer seal with light oil or grease.



5. Lower the test plug through the BOP stack into the WFT-SB spool assembly until it lands on top of the pack-off bushing.
6. Open the upper WFT-SB casing spool side outlet valves. Monitor for any leakage past the test plug seal.
7. Close the BOP rams on the drill pipe and test to **10,000 psi or as required by the drilling supervisor.**
8. After a satisfactory test is achieved, release all pressure and open the rams.
9. Remove as much fluid from the BOP stack as possible.
10. Retrieve the test plug assembly slowly to avoid damage to the seal.
11. Close all outlet valves on the WFT-SB casing head/spool assembly.

Running and Retrieving the Short Bowl Protector

NOTE

Always use a bowl protector while drilling to protect the wellhead load shoulders from damage by the drill bit or rotating drill pipe. The bowl protector must be retrieved prior to running the casing string!

Running the Bowl Protector Prior to Drilling

1. Examine the short bowl protector. Verify the following:
   - Bore drift is correct size, is clean, in good condition, and free of debris.
   - Threads are correct size and type.
   - Threads are clean and in good condition.
2. Orient the bowl protector running tool with ACME threads down.

NOTE

The running tool is the same tool used for handling the long bowl protector.

▲CAUTION▲

Make sure that the left hand (LH) ACME threads are down prior to engaging the bowl protector running tool into the short bowl protector.

3. Make-up a drill pipe joint to the running tool.
4. Thread the running tool into the short bowl protector, rotating two turns counterclockwise (to the left).
5. Verify that all upper lockscrews in the WFT-SB spool assembly are fully retracted. Slowly lower the running tool/bowl protector assembly through the BOP stack into the WFT-SB spool assembly until it lands on top of the pack-off bushing.

▲WARNING▲

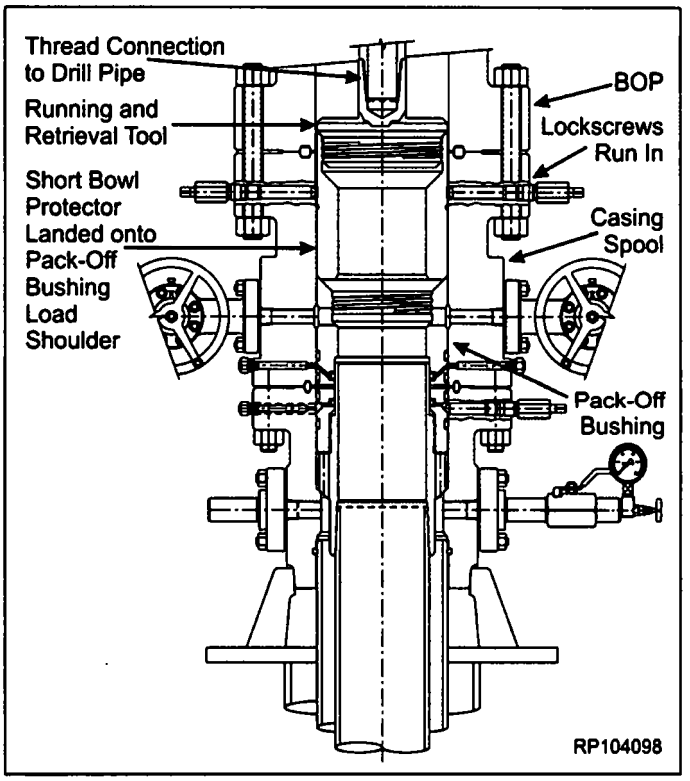
Do NOT retract the lower lockscrews located in the WFT-SB casing head, as this could allow the pack-off bushing to rise out of position.

6. On the upper WFT-SB spool assembly, run in two lockscrews ("snug" tight ONLY), 180 degrees apart, to hold the bowl protector in place.

▲WARNING▲

Do NOT over tighten the lockscrews, as this will cause damage to both the bowl protector and lockscrews.

7. Remove the running tool from the bowl protector, by rotating the drill pipe clockwise two turns while lifting straight up.
8. Drill out and prepare to the production casing string per the drilling supervisor's instructions.



Retrieval of the Short Bowl Protector After Drilling

1. Make up the retrieval tool to the drill pipe with ACME threads down.
2. Slowly lower the retrieval tool into the bowl protector.
3. Rotate the retrieval tool counterclockwise, two turns, to engage with the bowl protector ACME threads.
4. Fully retract both lockscrews on the casing spool (upper flange), and retrieve the bowl protector.
5. Remove the bowl protector and retrieval tool from the drill string.

Running the Production Casing

1. Run the production casing to necessary depth and cement as required.

NOTE

There are two methods for installing WFT-22 Slip Type Casing Hangers:

- **Under the BOP stack.**
- **Through the BOP stack.**

Installation of the Slip-Type Casing Hanger Under the BOP Stack

1. Drain the casing head through the uppermost side outlet valve.
2. Lift and suspend the BOP stack above the WFT-SB spool assembly to a minimum of 18 inches.
3. Wash out the WFT-SB casing head/spool assembly as required.
4. Confirm that ONLY the lockscrews in the casing spool (upper flange) are fully retracted.
5. Examine the WFT-22 slip-type casing hanger. Verify the following:
   - Slip segments are clean and undamaged.
   - All screws are in place.
   - Packing element is clean and undamaged.

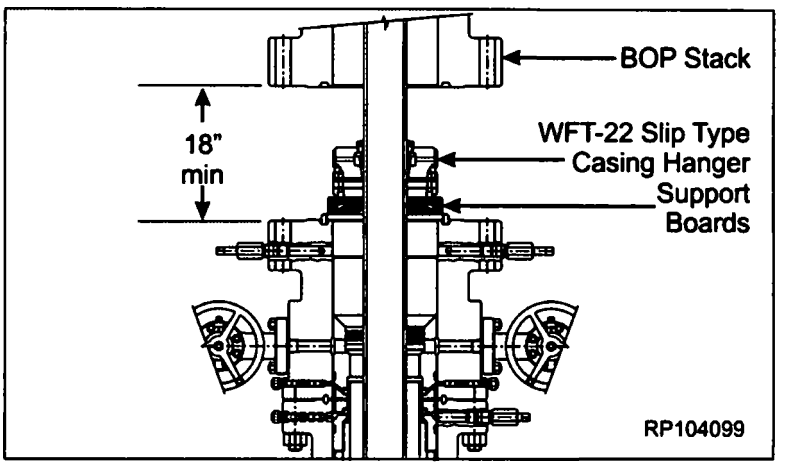
CAUTION

The packing element should not protrude past the casing hanger outer diameter. If the packing element does extend past the outer diameter, loosen the cap screws in the bottom of the hanger.

6. Place two boards across the casing spool face, against the casing, to support the hanger.
7. Disengage the spring loaded latch, open the hanger and wrap the hanger around the casing, allowing the support boards to carry weight.
8. Re-engage the casing hanger spring loaded latch.
9. Remove the slip retaining cap screws from the outer diameter of the hanger body, allowing the slip segments to settle around the casing.
10. Supporting the weight of the casing hanger, remove the support boards and lower the hanger into the WFT-SB casing head/spool assembly until it lands on the pack-off bushing load shoulder.

CAUTION

Do NOT drop the hanger; lower it carefully.



Installation of the Slip-Type Casing Hanger through the BOP Stack

1. Drain the WFT-SB casing head/spool assembly and BOP stack through the side outlet valves on the spool assembly.
2. Wash out the wellhead assembly until clean returns are seen.
3. Examine the slip type casing hanger. Verify the following:
   - slip segments are clean and undamaged
   - all screws are in place
   - Packing Element is clean and undamaged.

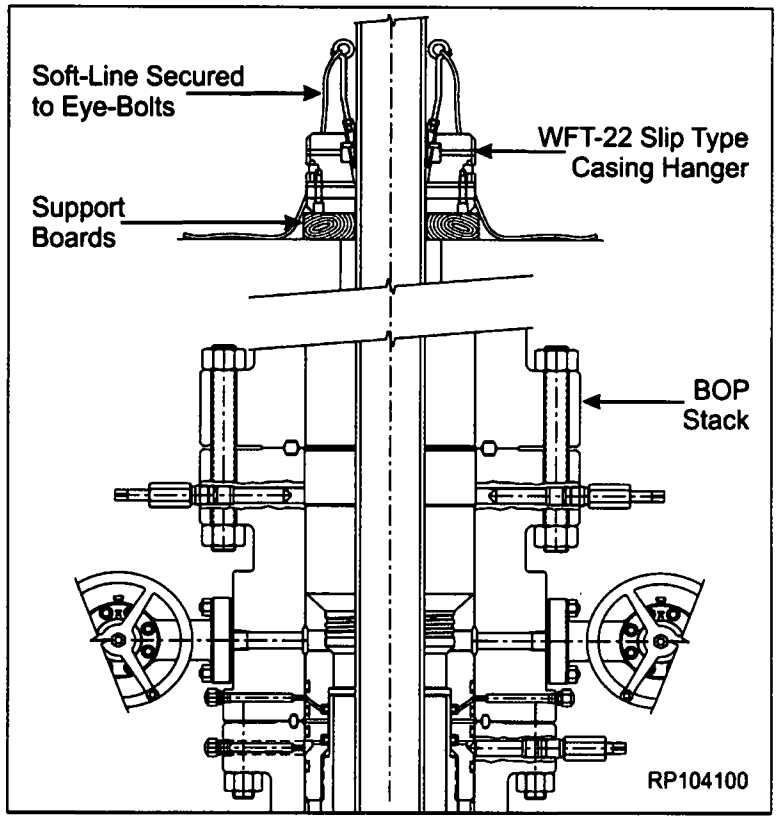
▲CAUTION▲

The packing element should not protrude past the casing hanger outer diameter. If the packing element does extend past the outer diameter, loosen the cap screws in the bottom of the hanger.

4. Place two boards across the rotary table, against the casing, to support the hanger.
5. Disengage the spring loaded latch, open the hanger and wrap it around the casing, allowing the support boards to carry the weight.
6. Re-engage the casing hanger's spring loaded latch.
7. Measure the distance from the top flange of the WFT-SB casing spool to the drilling rig floor (RKB).
8. Measure out two lengths of soft-line cord (rope) to the same length as the RKB measurement, and adding an additional 10 feet to each line.
9. Mark the soft line cord at the required length.
10. Install two eyebolts into the tapped holes in the top of the casing hanger slip segments, 180 degrees apart.
11. Securely tie the soft-line cord to the eyebolts.

NOTE

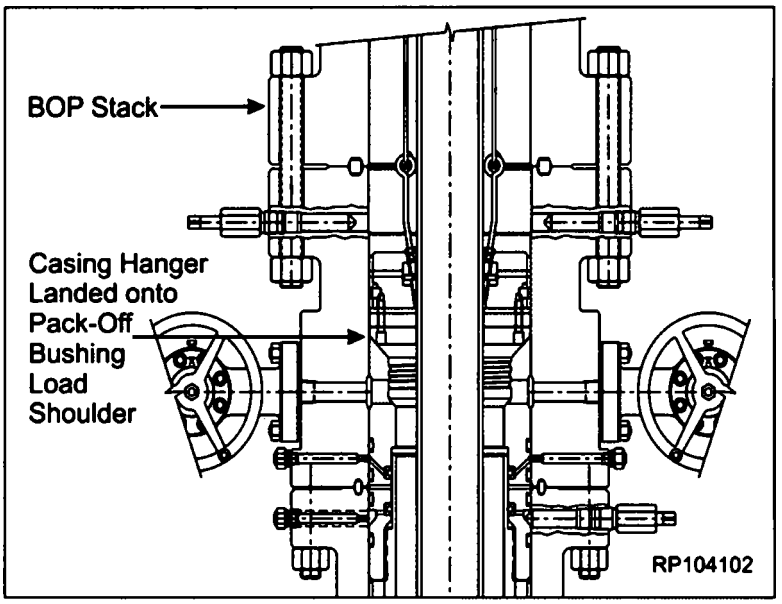
Measuring the soft-line cord and installing the eyebolts into the hanger segments should be done offline.



12. Remove the slip retaining cap screws from the outer diameter of the hanger body, allowing the slip segments to settle around the casing.
13. Supporting the weight of the casing hanger, remove the support boards and carefully lower the hanger through the BOP stack into the WFT-SB casing head/spool assembly, until it securely lands on the pack-off bushing load shoulder.

▲CAUTION▲

Do NOT drop hanger; lower it carefully.



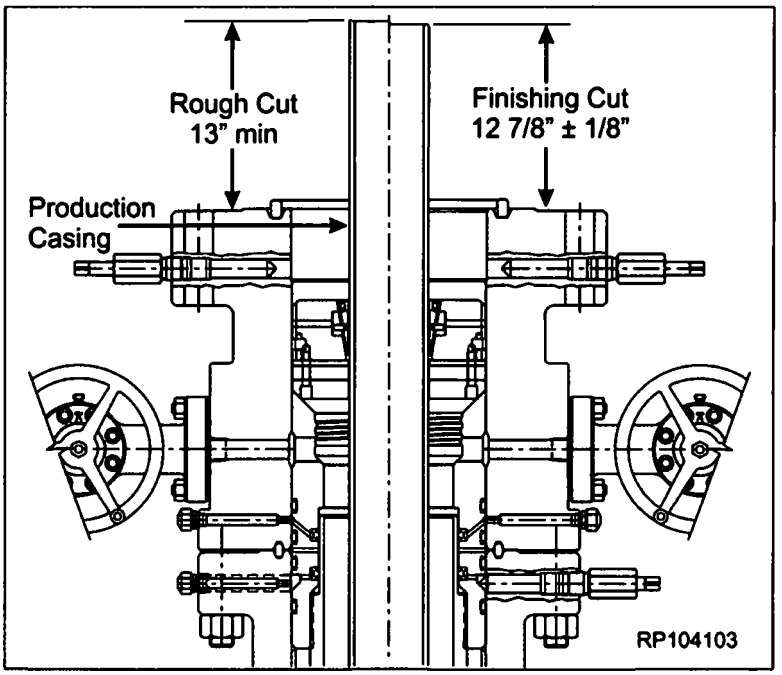
Hanging off the Production Casing

1. With the casing hanger now landed onto the pack-off bushing load shoulder, pull tension on the casing to the desired hanging weight, and then slack off.

NOTE

A sharp decrease on the weight indicator will signify that the hanger has taken weight. If this does not occur, pull tension again and slack off once more.

2. Rough cut casing approximately 16" above top of WFT-SB Spool top flange. Remove excess casing.
3. Carefully remove BOP stack, set aside.
4. Final cut the casing at about 12 7/8" +/- 1/8" above the face of the WFT-SB spool, which will allow room for the double studded adapter flange.
5. Grind the casing stub level and bevel the casing outer diameter (1/4" x 1/8") and inner diameter (1/8" x 45 degrees).



Installation of the Double-Studded Adapter (DSA) Flange

1. Examine the double studded adapter (DSA) Flange. Verify the following:
   - Ring grooves are clean and undamaged.
   - Stud threads are clean and undamaged.
2. Orient the DSA flange with the 10M side down.
3. Thoroughly clean the mating grooves of the DSA flange and the WFT-SB spool assembly. Wipe lightly with oil or grease.

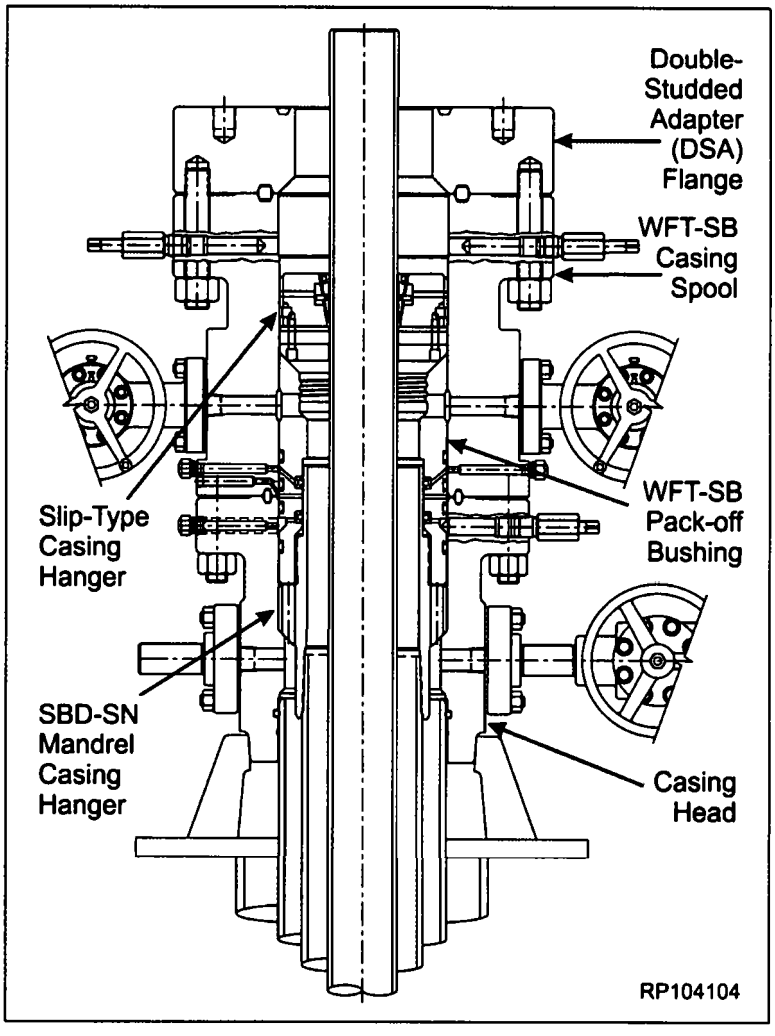
WARNING

Excessive oil or grease will prevent a positive seal from forming.

4. Install a new appropriately sized ring gasket into the WFT-SB spool assembly groove.
5. Lift, while holding level, and carefully lower the DSA over the production casing stub until it lands on the ring gasket.
6. Make-up the flange connection with appropriate nuts, tightening in alternate cross pattern, as required by API 6A.
7. Fill the void area in the DSA around the production casing with a light weight oil.
8. Continue filling with a light weight oil to the top of the DSA.

WARNING

Do NOT allow oil to run into the ring groove. This may prevent a positive seal from forming.



Installation and Testing of the Tubing Spool Assembly

Installation of the TCM Tubing Spool Assembly

1. Examine the tubing spool assembly. Verify the following:
   - bore is clean and free of debris
   - ring grooves and seals are clean and undamaged
   - PE-seal assembly is properly installed, clean and undamaged.
2. Thoroughly clean the mating ring grooves of the WFT-TCM Tubing Spool and WFT-SB Casing Spool.
3. Lightly lubricate the inner diameter of the PE-seal and outer diameter of the casing stub with oil or grease.

▲WARNING▲

Excessive oil or grease will prevent a positive seal from forming.

4. Install a new appropriately sized ring gasket into the WFT-SB casing spool assembly groove.
5. Orient the tubing spool assembly as required and carefully lower it over the casing stub, until it lands on the ring gasket.
6. Make up the flange connection with the appropriate studs and nuts, tightening in an alternating cross pattern, as required by API 6A.

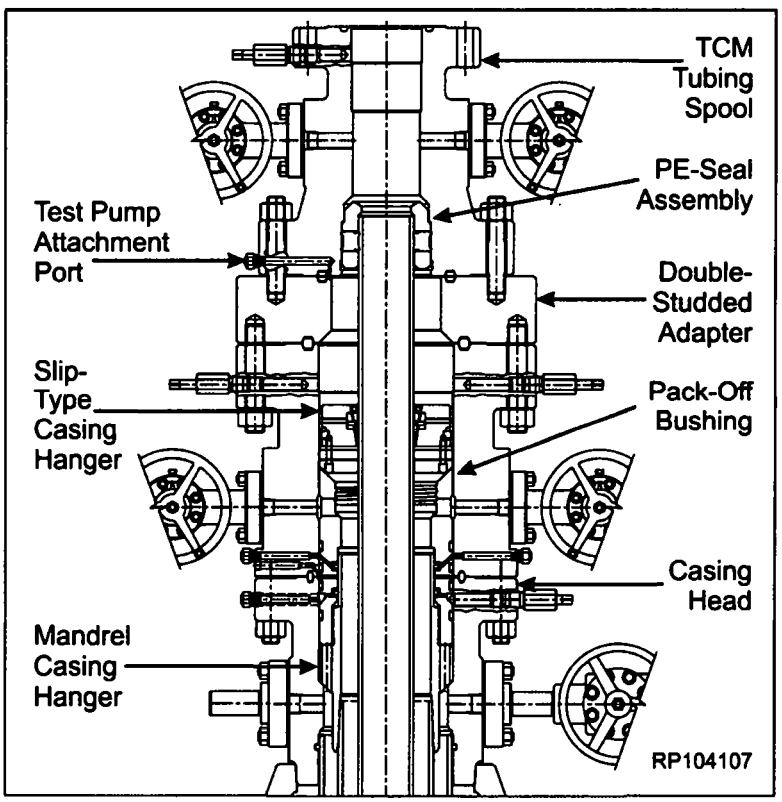
Testing the Secondary Seal and Flange Connection Test

1. Locate the test port fitting on the OD of the tubing spool lower flange. Remove the dust cap from the fitting.
2. Attach a test pump to the test port fitting.
3. Pump clean test fluid into the void area between the flanges until a test pressure of **10,000 psi or 80% of casing collapse pressure is attained**, whichever is lower.
4. Hold and monitor pressure for 15 minutes or as required by the drilling supervisor.
5. Once a satisfactory test is achieved, carefully bleed off pressure and remove the test pump
6. Attach a bleeder tool to the test port fitting and open the tool to vent any remaining trapped pressure.

▲CAUTION▲

Always direct the bleeder tool port away from people and property.

7. Remove the bleeder tool and reinstall the dust cap on the test port fitting.
8. Install a new appropriately sized ring gasket into the tubing spool groove.



Testing the BOP

NOTE

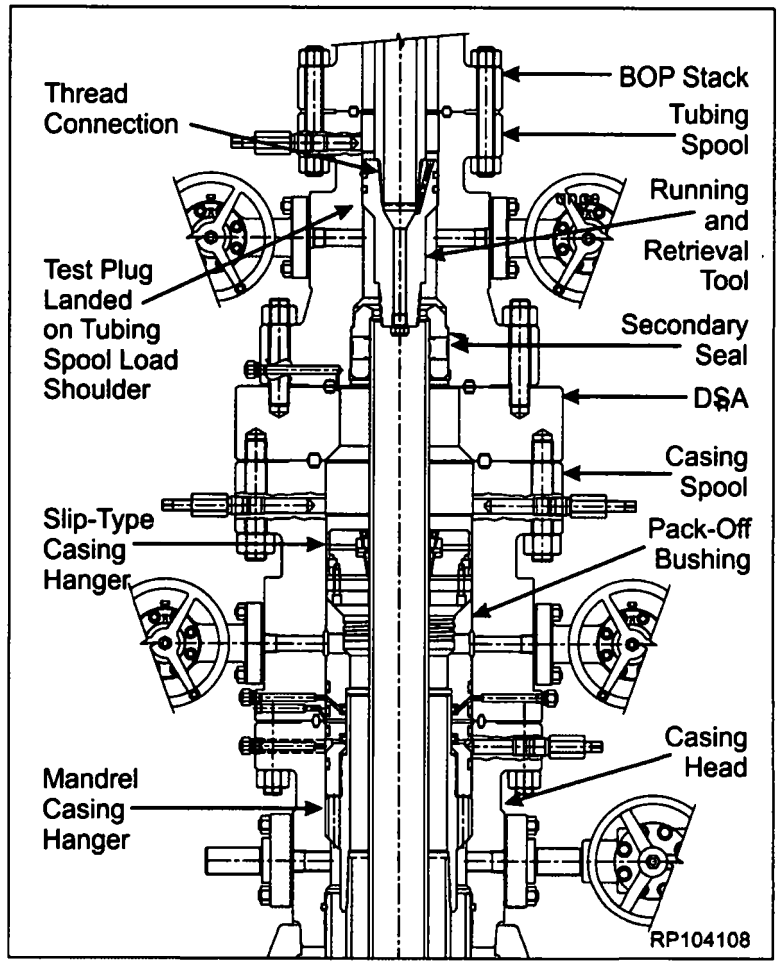
Immediately after the make-up of the BOP Stack and periodically during drilling of hole for the next string, the BOP stack (flanged connections and rams) must be tested.

1. Examine the test plug. Verify that:
   - O-ring seals and plugs are properly installed, clean and undamaged.
   - All threads are clean and undamaged.
2. Orient the test plug with O-ring seals up and drill pipe pin connection down.
3. Make up a joint of drill pipe to the top of the test plug.

NOTE

If pressure is to be supplied through the drill pipe, the pipe plug should be removed from the weep port.

4. Fully retract all lockscrews on the WFT-TCM tubing spool assembly.
5. Open the side outlet valves on the tubing spool.
6. Wipe the test plug O-ring seals with a light oil or grease.
7. Lower the test plug through the BOP until it lands on the tubing spool load shoulder.
8. Close the BOP rams on the drill pipe and test to **10,000 psi maximum.**
9. Monitor the open outlets for signs of leakage past the test plug.
10. Once a satisfactory test is achieved, release pressure and open the rams.
11. Close the side outlet valves.
12. Remove as much fluid from the BOP stack as possible.
13. Slowly retrieve the test plug, avoiding damage to the seals.
14. Repeat this procedure, as required, during drilling or conditioning of the hole.



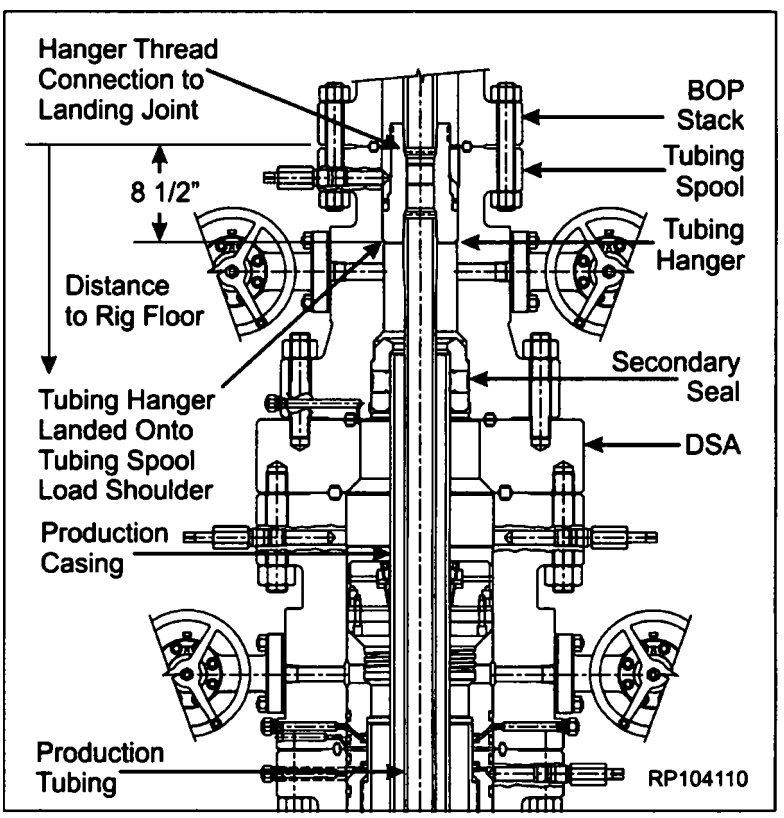
Hanging off the Production Tubing String

1. Run the production tubing and space out appropriately for the tubing hanger.
2. Examine the TC1AEN Tubing Hanger. Verify the following;
   - Packing element is clean and undamaged.
   - S-seals are properly installed.
   - S-seals are clean and undamaged.
   - All threads are clean and undamaged.
3. Make-up a short handling joint to the top of the tubing hanger.
4. Pick up the tubing hanger and make it up to the tubing string, tightening the connection to the thread manufacturer's recommended optimum torque value.
5. Remove the short handling joint from the top of the hanger. Make up the landing joint to the top of the tubing hanger, tightening the connection to the thread manufacturer's recommended minimum torque values.
6. Ensure that all tubing spool lockscrews are fully retracted from the bore and open side outlet valves. Drain the BOP stack.

NOTE

The side outlet valves should remain open while landing the tubing hanger.

7. Calculate the distance from the tubing spool load shoulder to the rig floor. Measure from the face of the tubing spool.
8. Carefully lower the tubing hanger into the well, tallying the tubing every five feet, until the tubing hanger lands securely on the tubing spool load shoulder.
9. Run in all tubing spool lockscrews, in an alternating cross pattern, to 300 ft-lbs, in 75 ft-lb increments.
10. Remove the landing joint from the tubing hanger, and set it aside.



11. Install the Type H Back Pressure Valve, carefully lowering the BPV through the BOP stack into the tubing hanger. Rotate the BPV counterclockwise (to the left) until it bottoms out in the tubing hanger BPV prep. Continue rotating counterclockwise, approximately 7 turns, to retrieve the running tool.
12. With the well safe and under control, the BOP stack may be removed.

Installation and Testing of the Production Tree

Installation

1. Examine the production tree assembly. Verify the following;
   - Bore is clean and free of debris.
   - All valves are in the fully open position.
   - All threads and seal areas are clean and undamaged.
   - All fittings, nuts and handwheels are intact and undamaged.
2. Thoroughly clean all exposed portions of the tubing hanger, tubing head adapter flange and bottom prep of the tubing head adapter.
3. Thoroughly clean mating ring grooves of the tubing head adapter flange and WFT-TCM tubing spool.
4. Lightly lubricate the tubing hanger neck outer diameter and tubing head adapter flange bottom prep with oil or grease.

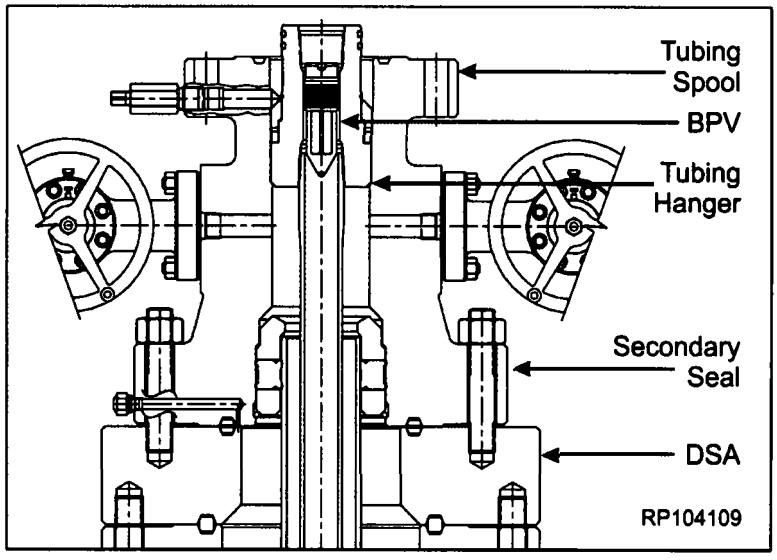
WARNING

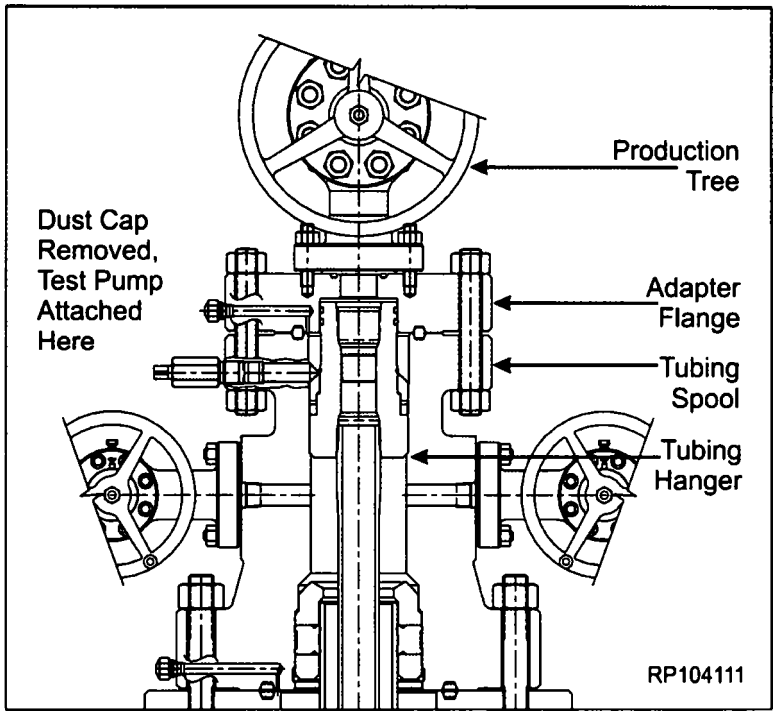
Excessive oil or grease will prevent a positive seal from forming.

5. Install a new appropriately sized ring gasket into the WFT-TCM tubing spool groove.
6. Fill the void area around the hanger with hydraulic fluid, to the top of the tubing spool assembly.

WARNING

Do NOT overfill the void area, allowing oil to run into the ring groove. This may prevent a positive seal from forming.





7. Align and level the production tree above the tubing hanger and carefully lower it over the tubing hanger neck, landing it on the ring gasket.

⚠WARNING⚠

Do NOT damage the hanger neck seals, as this will impair their sealing ability.

8. Make up the connection using the appropriate studs and nuts, and tightening in an alternating cross pattern, as required by API 6A.

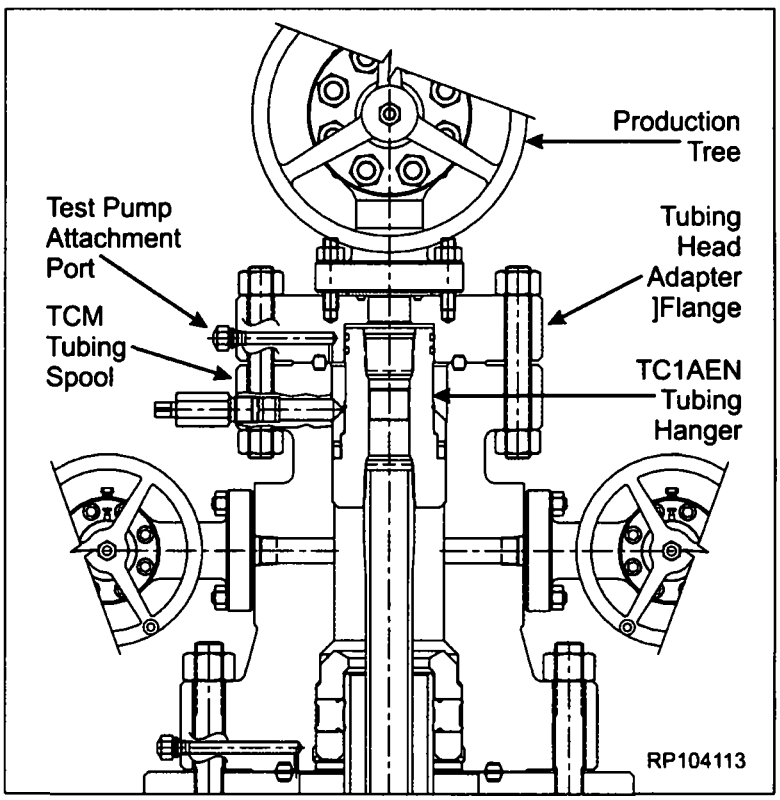
Testing the Production Tree Connection

1. Locate the test port fitting on the outer diameter of the tubing head adapter flange. Remove the dust cap from the fitting.
2. Attach a test pump to test port fitting, and open the pump.
3. Pump clean test fluid into void area between flanges, test to 10,000 psi maximum.
4. Hold and monitor pressure for **15 minutes or as required by the production supervisor**.
5. Once a satisfactory test is achieved, carefully bleed off test pressure and remove the test pump.
6. Attach a bleeder tool to the test port fitting, and open the tool to vent any remaining trapped pressure.

⚠CAUTION⚠

Always direct the bleeder tool away from people and property.

7. Remove the bleeder tool and reinstall the dust cap on the test port fitting.
8. Remove the type 'H' back pressure valve (BPV) through the production tree.
9. Ensure that the well is safe and secure by closing all gate valves.

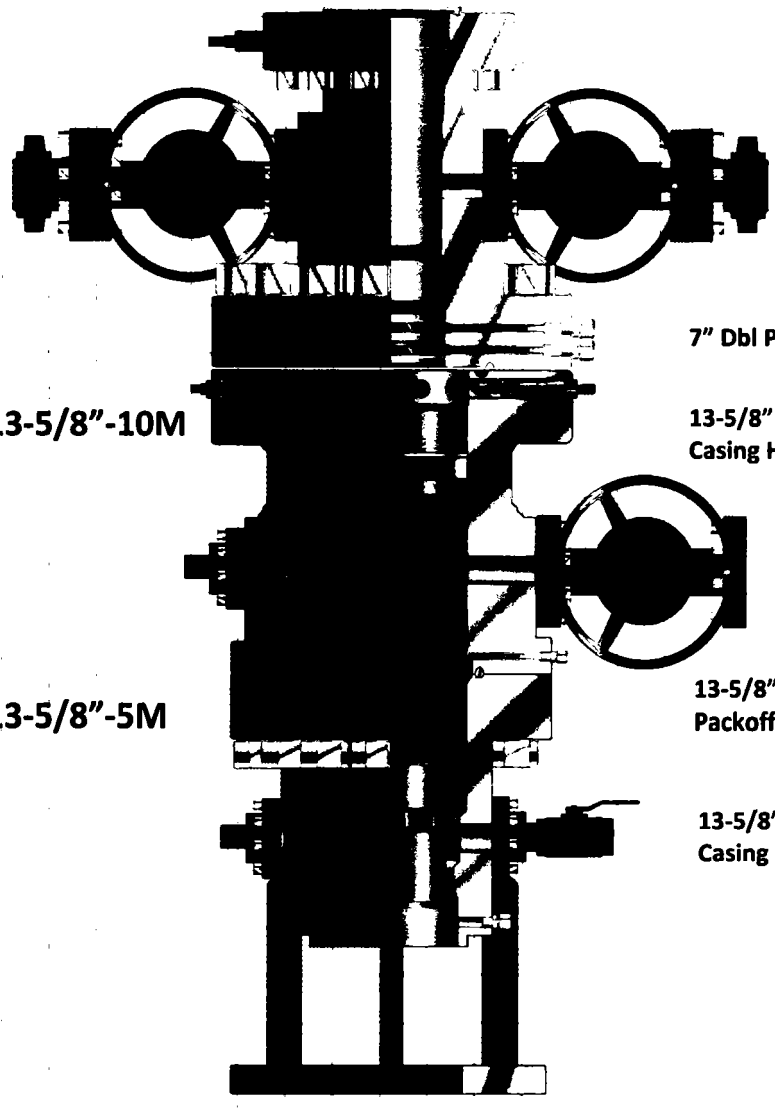


Multi-Bowl System
13-3/8" X 9-5/8" X 5-1/2"

Tubing Head-TCM-PP
13-5/8"-10M X 7-1/16"-10M
w/(2) 1-13/16"-10M Gate Valves

Casing Spool- MBS
13-5/8"-5M X 13-5/8"-10M
w/(2) 1-13/16" 10M SSO

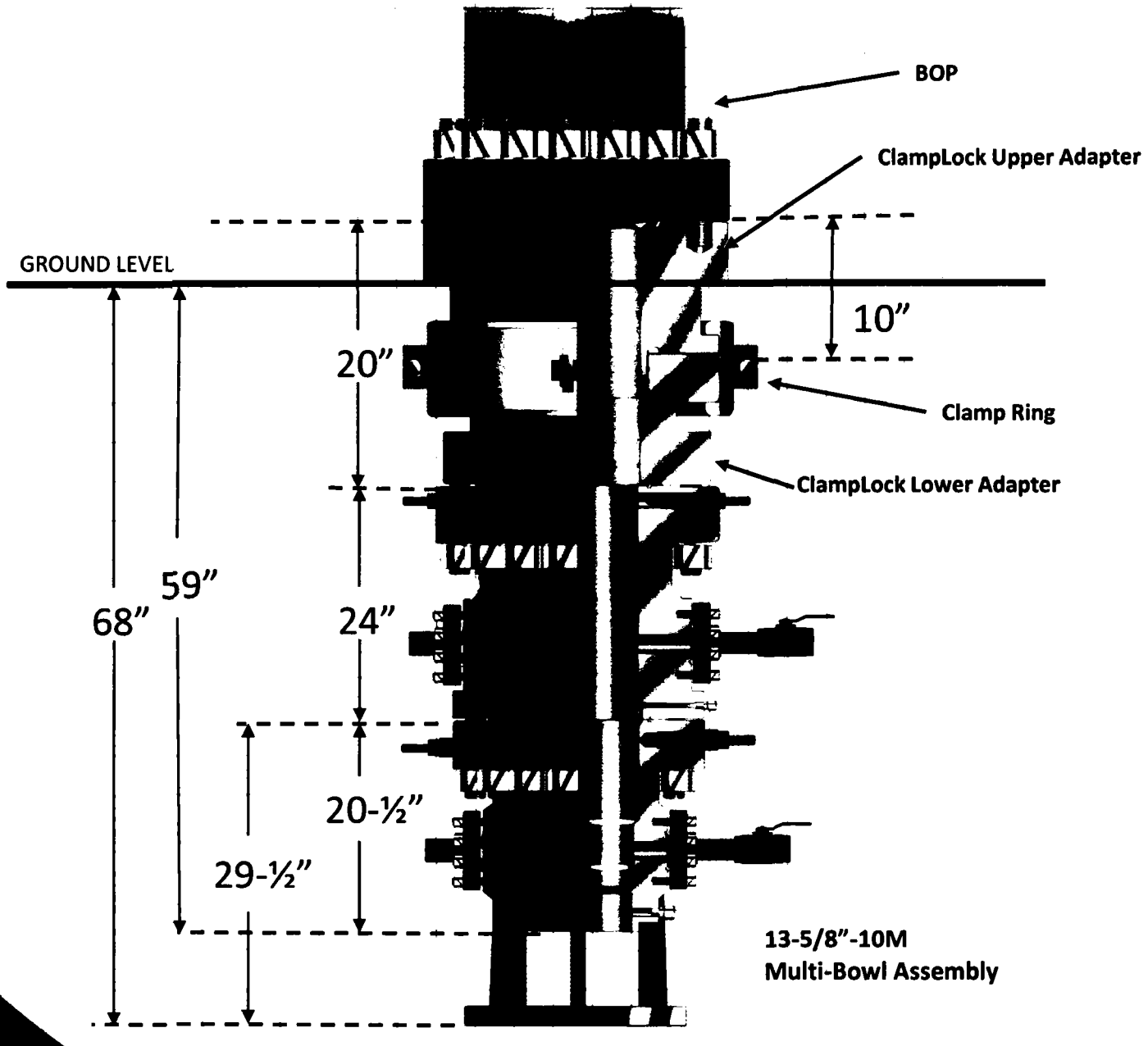
Casing Head- MBS
13-5/8"-5M X 13-3/8" SOW
w/36" Base Plate



SY NERGY
WELLHEAD & FRAC
email: sales@syenergypg.com

ClampLock
Drilling Adapter

13-5/8" 10M



13-5/8"-10M
Multi-Bowl Assembly

WELLHEAD & FRAC

email: sales@syenergypg.com

APD ID: 10400041909 **Submission Date:** 05/16/2019

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Well Type: OIL WELL **Well Work Type:** Drill

[redacted]

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

19110178_4_26_19_Vicinity__Topographical___Access_Rd_20190516090934.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT **Row(s) Exist?** NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

19110178_4_26_19_Vicinity__Topographical___Access_Rd_20190516090950.pdf

New road type: RESOURCE

[redacted] Feet **Width (ft.):** 25

Max slope (%): 2 **Max grade (%):** 2

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 15

New road access erosion control: Road construction requirements and regular maintenance would alleviate potential impacts to the access road from water erosion damage.

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Turnout? N

Access surfacing type: OTHER

Access topsoil source: BOTH

Access surfacing type description: Native Caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description: Material will be obtained from the closest existing caliche pit as designated by the BLM.

Onsite topsoil removal process: The top 6 inches of topsoil is pushed off and stockpiled along the side of the location. An approximate 160' X 160' area is used within the proposed well site to remove caliche. Subsoil is removed and stockpiled within the pad site to build the location and road. Then subsoil is pushed back in the hole and caliche is spread accordingly across proposed access road.

Access other construction information:

Access miscellaneous information:

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

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: Proposed access road will be crowned and ditched and constructed of 6 inch rolled and compacted caliche. Water will be diverted where necessary to avoid ponding, maintain good drainage, and to be consistent with local drainage patterns.

Road Drainage Control Structures (DCS) description: Any ditches will be at 3:1 slope and 3 feet wide.

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

0178_1_Mile_Radius_20190516091007.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: If well is productive, we will use the existing well pad for the tank battery and all necessary production facilities.

Production Facilities map:

Production_Facility_Layout_20191002151641.pdf

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: null

Water source use type: STIMULATION

SURFACE CASING

DUST CONTROL

INTERMEDIATE/PRODUCTION CASING

Source latitude: 32.354057 **Source longitude:** -103.48524

Source datum: NAD83

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: PRIVATE

Water source volume (barrels): 100000 **Source volume (acre-feet):** 12.88931

Source volume (gal): 4200000

Water source and transportation map:

MAXUS_3_4_9_10_Water_Transportation_Map_20190514164851.pdf

Water source comments:

New water well? NO

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.):**

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

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: Caliche used for construction of the drilling pad and access road will be obtained from the closest existing caliche pit as approved by the BLM or from prevailing deposits found under the location. If there is not sufficient material available, caliche will be purchased from the nearest caliche pit located in Section 23 T22S R34E Lea County, NM.

Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: Drilling fluids and cuttings.

Amount of waste: 4164 barrels

Waste disposal frequency : One Time Only

[redacted]

Safe containmant attachment:

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

Disposal type description:

[redacted]

Waste type: SEWAGE

Waste content description: Human waste and grey water.

Amount of waste: 1000 gallons

Waste disposal frequency : One Time Only

[redacted]

Safe containmant attachment:

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

Disposal type description:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Waste type: GARBAGE

Waste content description: Trash

Amount of waste: 500 pounds

Waste disposal frequency : One Time Only

Safe containmant attachment:

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

Disposal type description:

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

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? NO

Description of cuttings location

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

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

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

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments: It is possible that a mobile home will be used at the well site during drilling operations.

Section 9 - Well Site Layout

Well Site Layout Diagram:

1004_MAXUS__9H_Well_Site_Plan_20191002151746.pdf

19110528_300x300_CTB_to_Maxus_8026_Fed__3H__4H__9H___10H_PAD012_20191002151847.pdf

19110528_Access_Rd_to_Maxus_3__4_9_10_CTB_20191002151848.pdf

Rig_Layout_20191002151959.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: MAXUS 8026 FED

Multiple Well Pad Number: 3, 4, 9, & 10

Recontouring attachment:

Drainage/Erosion control construction: During construction proper erosion control methods will be used to control erosion, runoff, and siltation of the surrounding area.

Drainage/Erosion control reclamation: Proper erosion control methods will be used on the area to control erosion, runoff, and siltation of the surrounding area.

Well pad proposed disturbance (acres): 0	**Well pad interim reclamation (acres):** 4.49	**Well pad long term disturbance (acres):** 4.49
Road proposed disturbance (acres): 0	**Road interim reclamation (acres):** 0.26	**Road long term disturbance (acres):** 0.16
Powerline proposed disturbance (acres): 0	**Powerline interim reclamation (acres):** 0	**Powerline long term disturbance (acres):** 0
Pipeline proposed disturbance (acres): 0	**Pipeline interim reclamation (acres):** 0	**Pipeline long term disturbance (acres):** 0
Other proposed disturbance (acres): 0	**Other interim reclamation (acres):** 0	**Other long term disturbance (acres):** 0
Total proposed disturbance: 0	**Total interim reclamation:** 4.75	**Total long term disturbance:** 4.65

Disturbance Comments: Interim Reclamation will be at East side of well pad, 50' (see attachment under SUPO Section 9).

Reconstruction method: The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Topsoil redistribution: Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations. Topsoil will be at East side of well pad, 30' (see attachment under SUPO Section 9).

Soil treatment: To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

Existing Vegetation at the well pad: The historic climax plant community is a grassland dominated by black grama, dropseeds, and blue stems with sand sage and shinnery oak distributed evenly throughout. Current landscape displays mesquite, shinnery oak, yucca, desert sage, fourwing saltbush, snakeweed, and bunch grasses.

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Refer to "Existing Vegetation at the well pad"

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Refer to "Existing Vegetation at the well pad"

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: Refer to "Existing Vegetation at the well pad"

Existing Vegetation Community at other disturbances attachment:

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? NO

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? NO

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed Summary	
Seed Type	**Pounds/Acre**

Total pounds/Acre:

Seed reclamation attachment:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Operator Contact/Responsible Official Contact Info

First Name: Chad **Last Name:** Smith

Phone: (432)682-3753 **Email:** csmith@btaoil.com

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: No invasive species present. Standard regular maintenance to maintain a clear location and road.

Weed treatment plan attachment:

Monitoring plan description: Identify areas supporting weeds prior to construction; prevent the introduction and spread of weeds from construction equipment during construction; and contain weed seeds and propagules by preventing segregated topsoil from being spread to adjacent areas. No invasive species present. Standard regular maintenance to maintain a clear location and road.

Monitoring plan attachment:

Success standards: To maintain all disturbed areas as per Gold Book standards.

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: PRIVATE OWNERSHIP

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

USFS Region:

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

Fee Owner: Limestone Basin Prop Ranch LLC **Fee Owner Address:**

Phone: (830)203-7330 **Email:**

Surface use plan certification: NO

Surface use plan certification document:

Surface access agreement or bond: Agreement

Surface Access Agreement Need description: BTA will have a surface use agreement in place, before operations begin

Surface Access Bond BLM or Forest Service:

BLM Surface Access Bond number:

USFS Surface access bond number:

Section 12 - Other Information

Right of Way needed? NO **Use APD as ROW?**

ROW Type(s):

ROW Applications

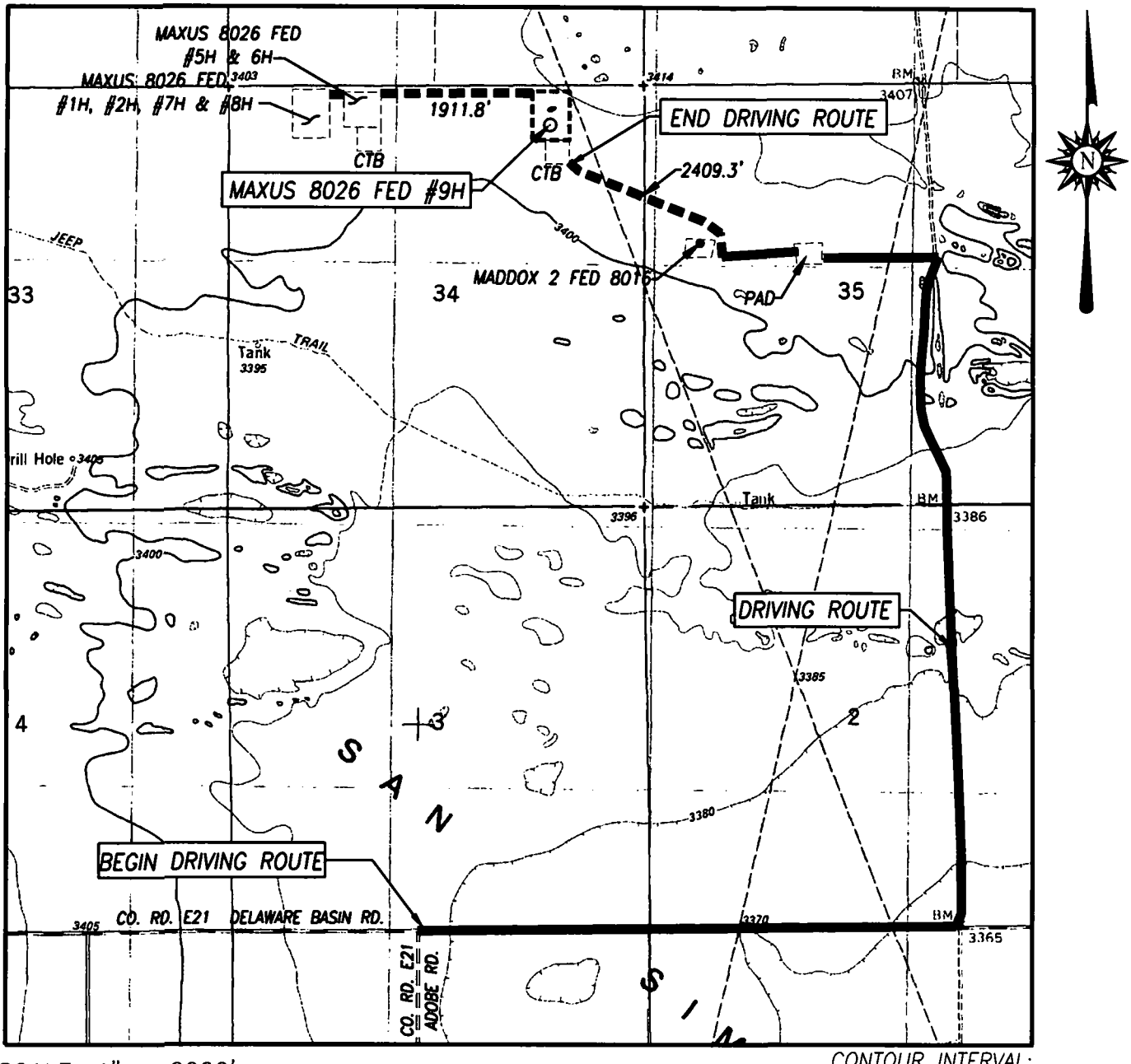
SUPO Additional Information:

Use a previously conducted onsite? YES

Previous Onsite information: Onsite was conducted, April 4th, 2019 by William DeGrush.

Other SUPO Attachment

VICINITY, TOPOGRAPHIC AND ACCESS ROAD MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
SAN SIMON SINK, N.M. – 10'

SEC. 34 TWP. 22-S RGE. 34-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 500' FNL & 1230' FEL

ELEVATION 3410'

OPERATOR BTA OIL PRODUCERS, LLC

LEASE MAXUS 8026 FED

U.S.G.S. TOPOGRAPHIC MAP
SAN SIMON SINK, N.M.

DIRECTIONS TO LOCATION:

FROM THE INTERSECTION OF CO. RD. E21 (DELAWARE BASIN) AND CO RD. E21 (ADOBE) GO EAST ON DELAWARE BASIN APPROX. 1.3 MILES. TURN LEFT AND GO NORTH ON LEASE ROAD APPROX. 1.6 MILES TO LEASE ROAD. TURN LEFT AND GO WEST APPROX. 0.52 MILES TO ACCESS ROAD. FOLLOW STAKED ROAD NORTHWEST APPROX 0.46 MILES TO THE EAST PAD CORNER OF THE CTB ON THE SOUTH EDGE OF THIS LOCATION.

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SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO HOBBS, N.M. 88240
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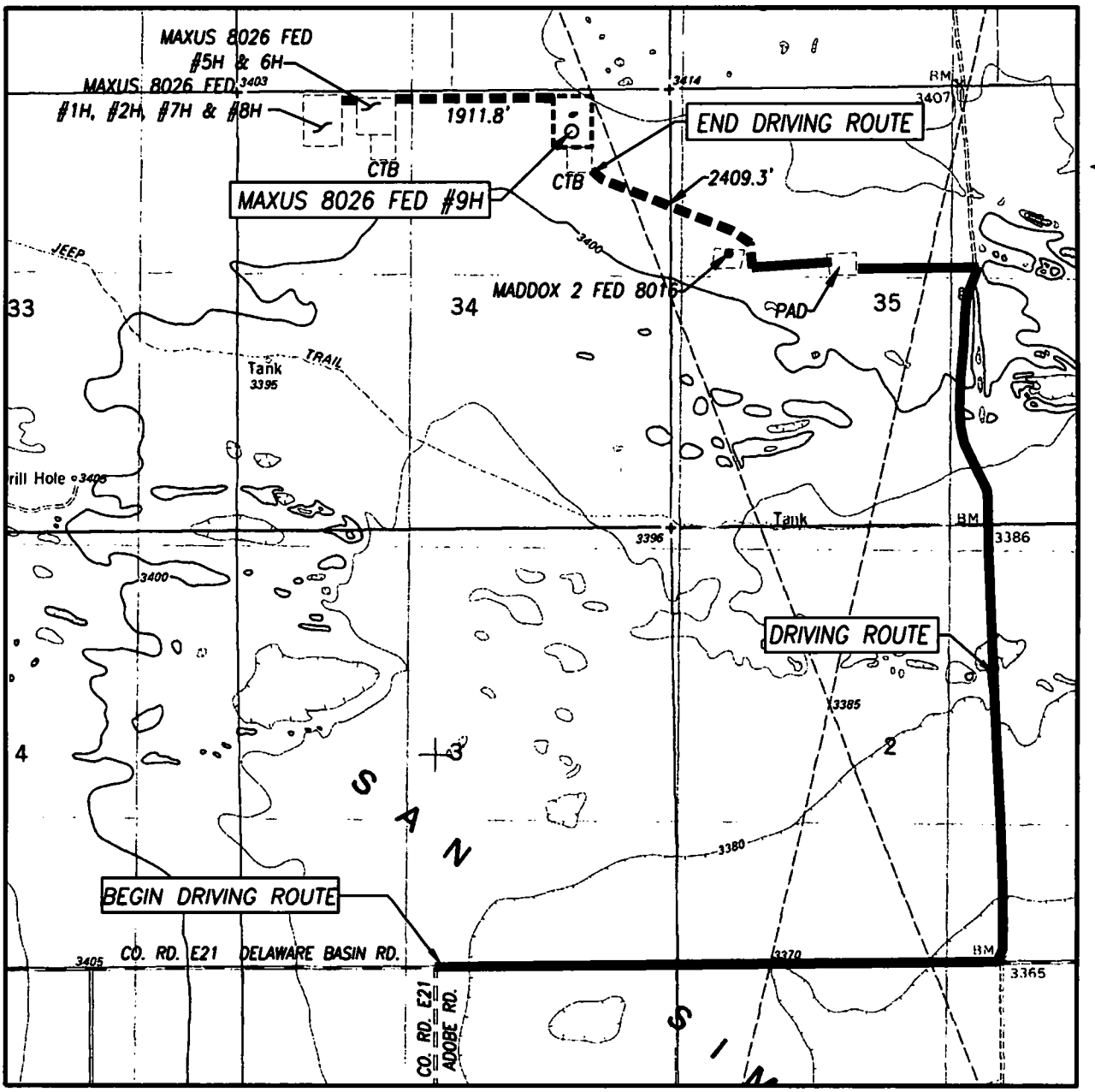
TBPLS# 10021000

VICINITY, TOPOGRAPHIC AND ACCESS ROAD MAP



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SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 500' FNL & 1230' FEL

ELEVATION 3410'

OPERATOR BTA OIL PRODUCERS, LLC

LEASE MAXUS 8026 FED

U.S.G.S. TOPOGRAPHIC MAP
SAN SIMON SINK, N.M.

DIRECTIONS TO LOCATION:

FROM THE INTERSECTION OF CO. RD. E21 (DELAWARE BASIN) AND CO RD. E21 (ADOBE) GO EAST ON DELAWARE BASIN APPROX. 1.3 MILES. TURN LEFT AND GO NORTH ON LEASE ROAD APPROX. 1.6 MILES TO LEASE ROAD. TURN LEFT AND GO WEST APPROX. 0.52 MILES TO ACCESS ROAD. FOLLOW STAKED ROAD NORTHWEST APPROX 0.46 MILES TO THE EAST PAD CORNER OF THE CTB ON THE SOUTH EDGE OF THIS LOCATION.

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DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Antelope Ridge ; Bone Spring

Property Code	Property Name	Well Number
	MAXUS 8026 FED	9H

OGRID No.	Operator Name	Elevation
260297	BTA OIL PRODUCERS, LLC	3410'

Surface Location

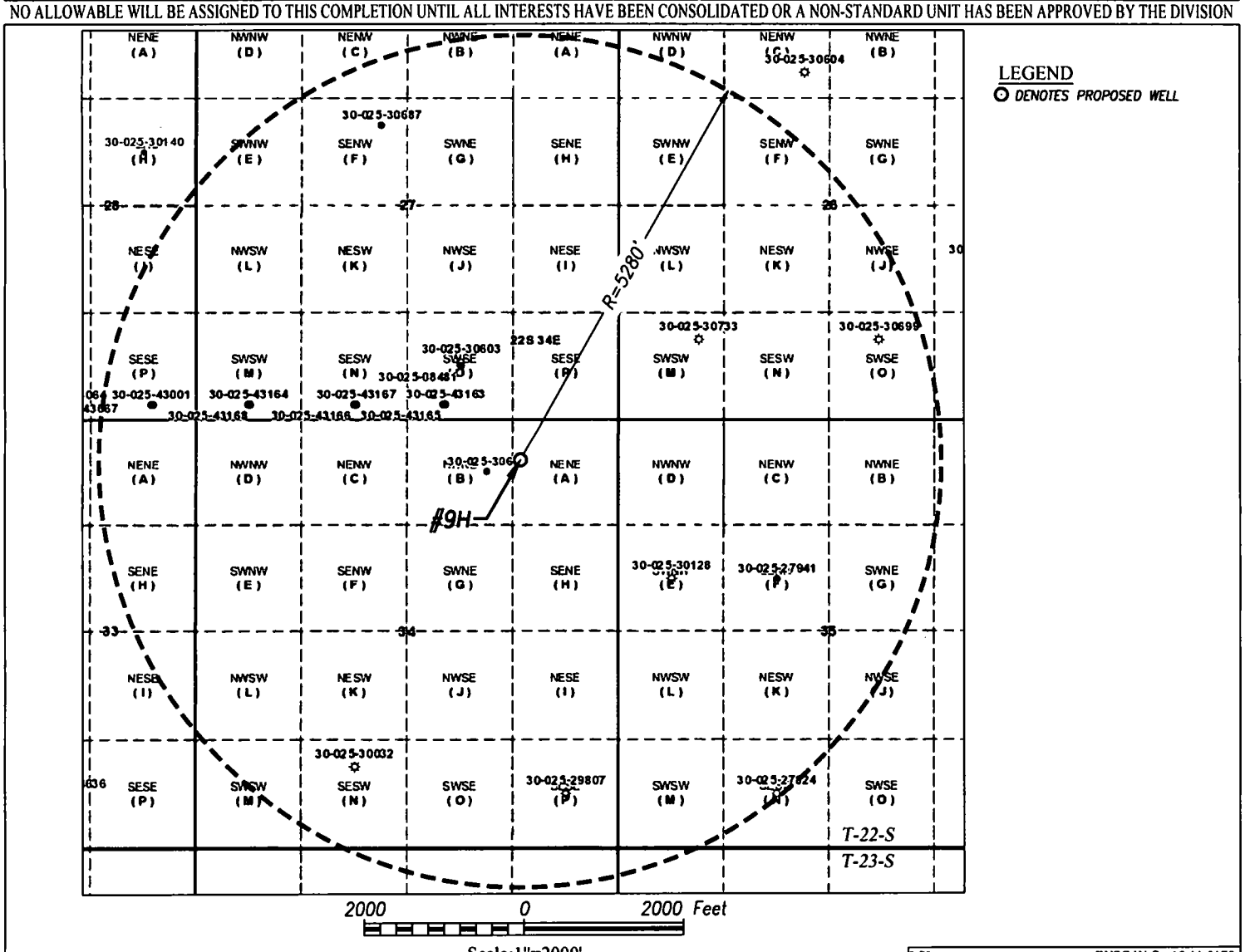
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	34	22-S	34-E		500	NORTH	1230	EAST	LEA

Bottom Hole Location If Different From Surface

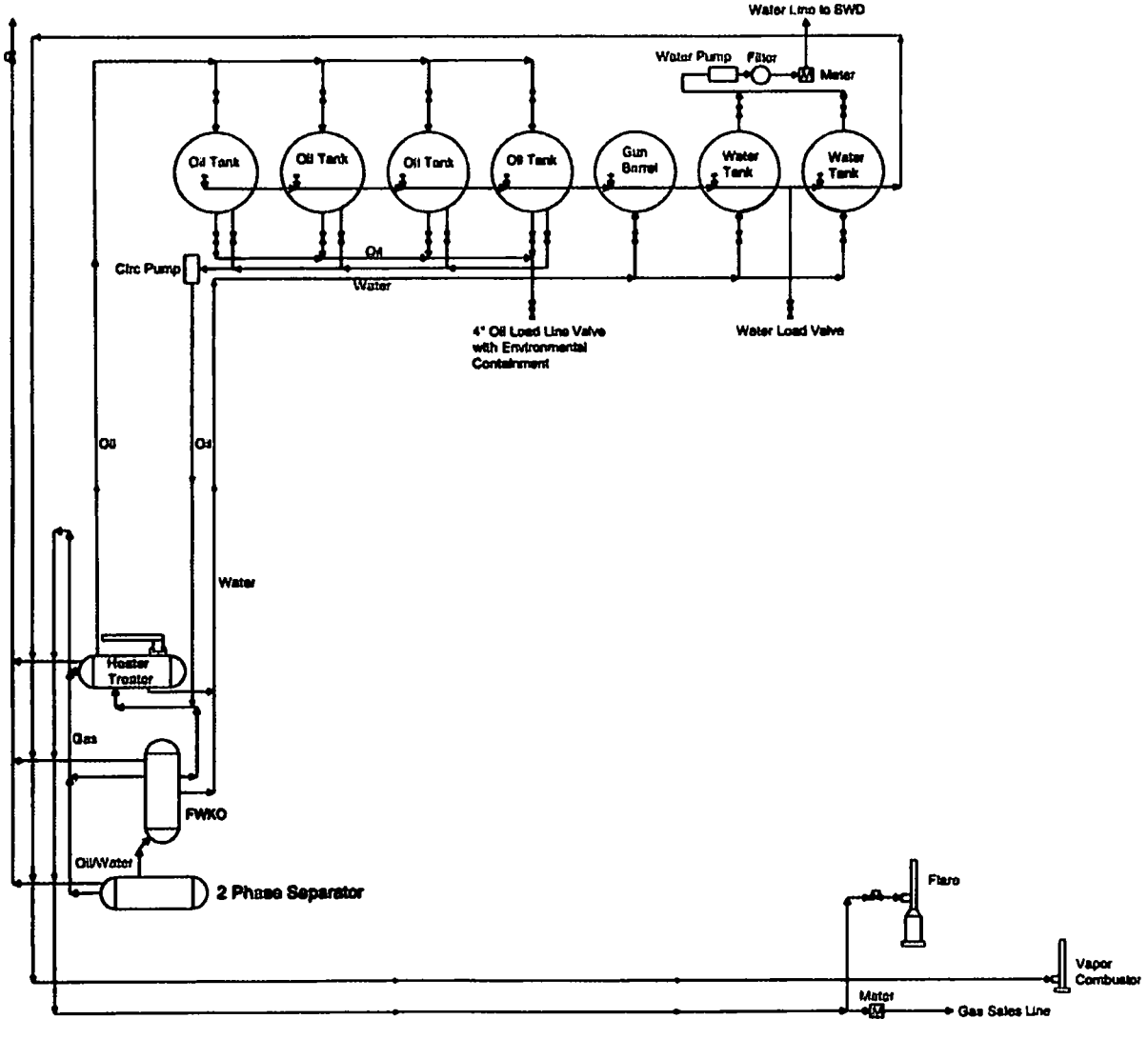
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	3	23-S	34-E		2590	NORTH	2100	EAST	LEA

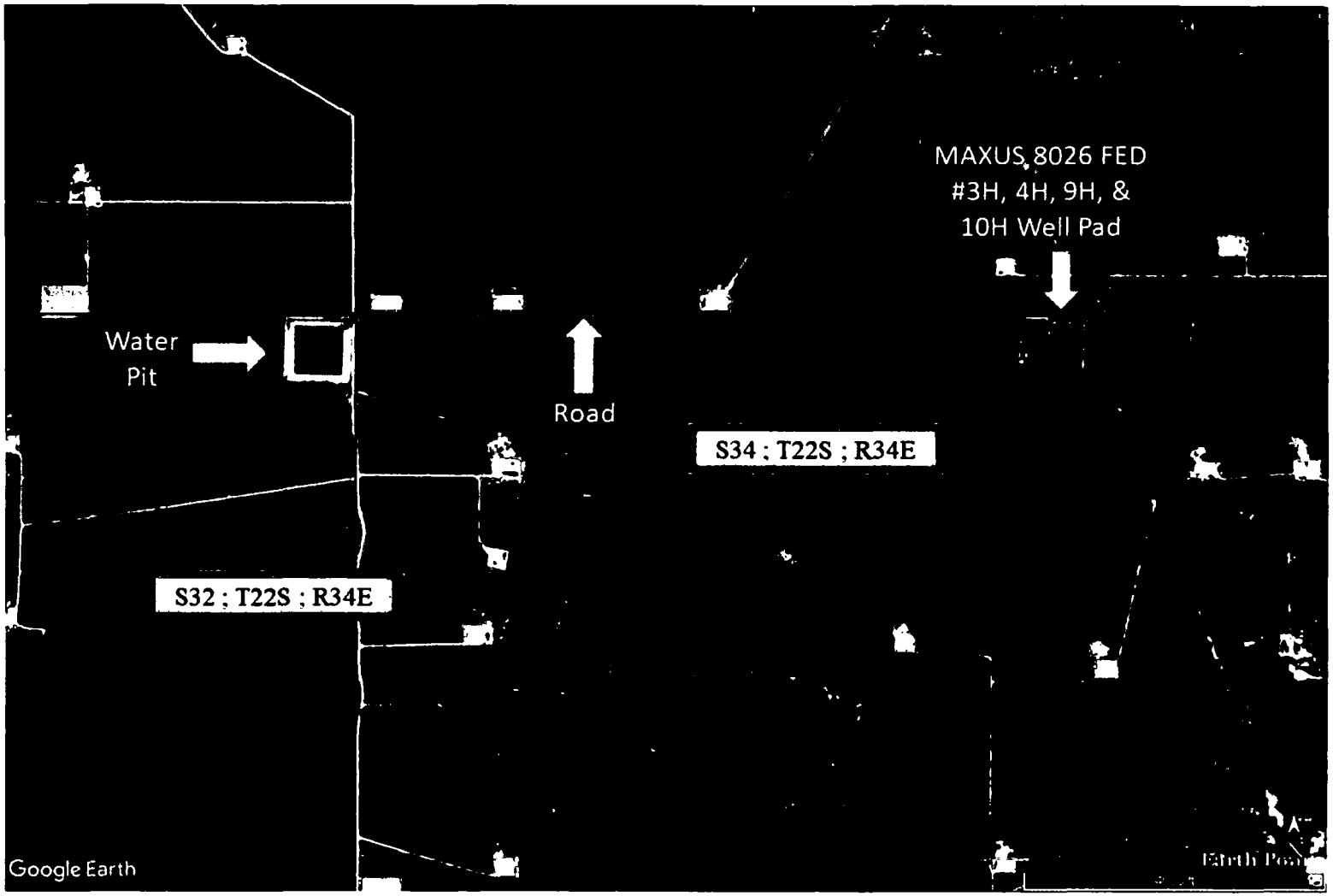
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



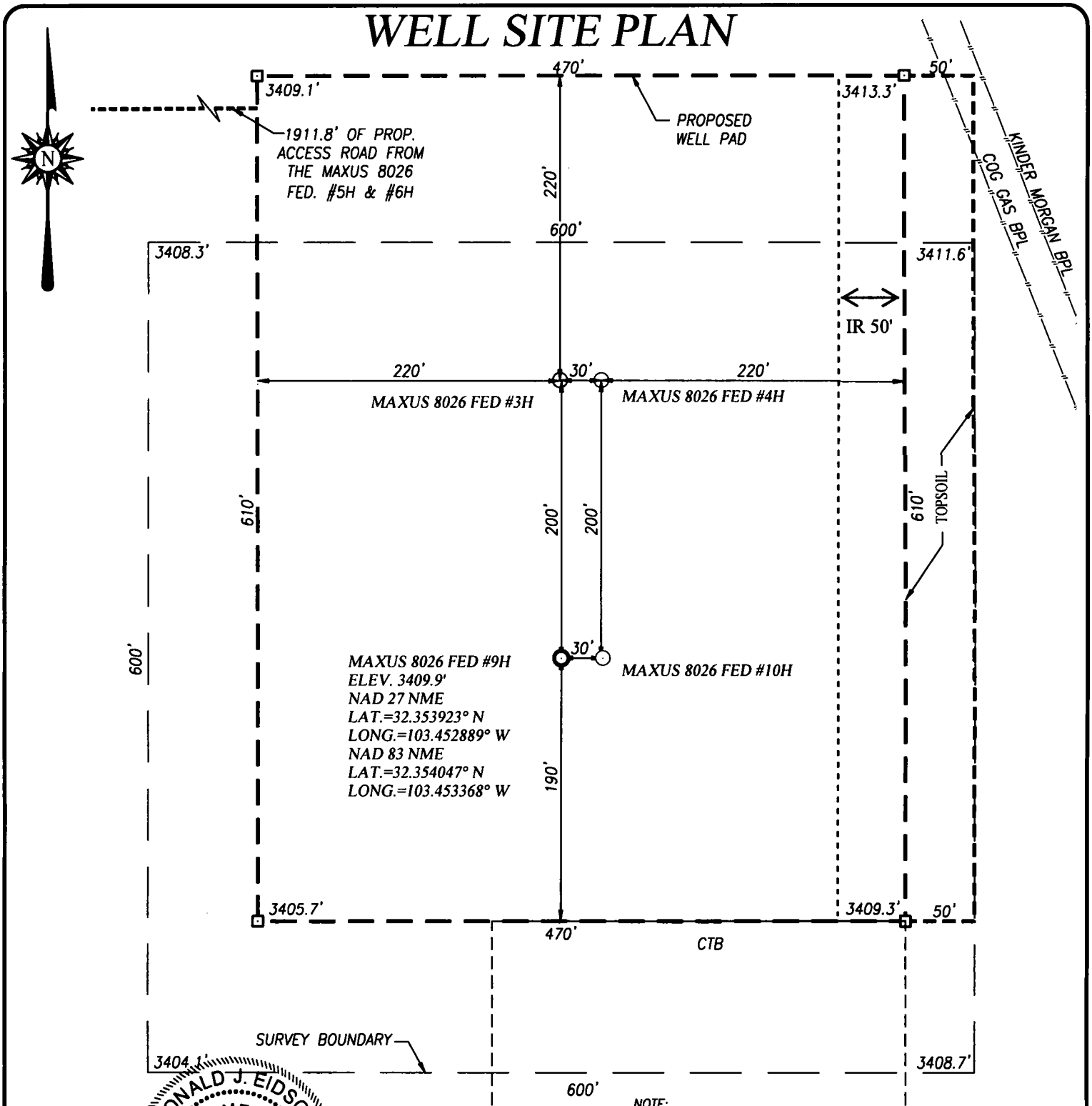
PRODUCTION FACILITY LAYOUT





BTA OIL PRODUCERS, LLC
WATER TRANSPORTATION MAP
MAXUS 8026 FED 3H, 4H, 9H, & 10H WELL PAD TO WATER PIT
SEC 34 ; T22S ; R34E - SEC 32 ; T22S ; R34E
LEA COUNTY, NM

WELL SITE PLAN



NOTE:
1) SEE "TOPOGRAPHICAL AND ACCESS ROAD MAP" FOR ACCESS ROAD LOCATION.

100 0 100 200 Feet

Scale: 1"=100'

I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RONALD J. EIDSON Ronald J Eidson

DATE: 09/04/2019

RONALD J. EIDSON NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR

PROVIDING SURVEYING SERVICES SINCE 1946

JOHN WEST SURVEYING COMPANY

412 N. DAL PASO HOBBS, N.M. 88240

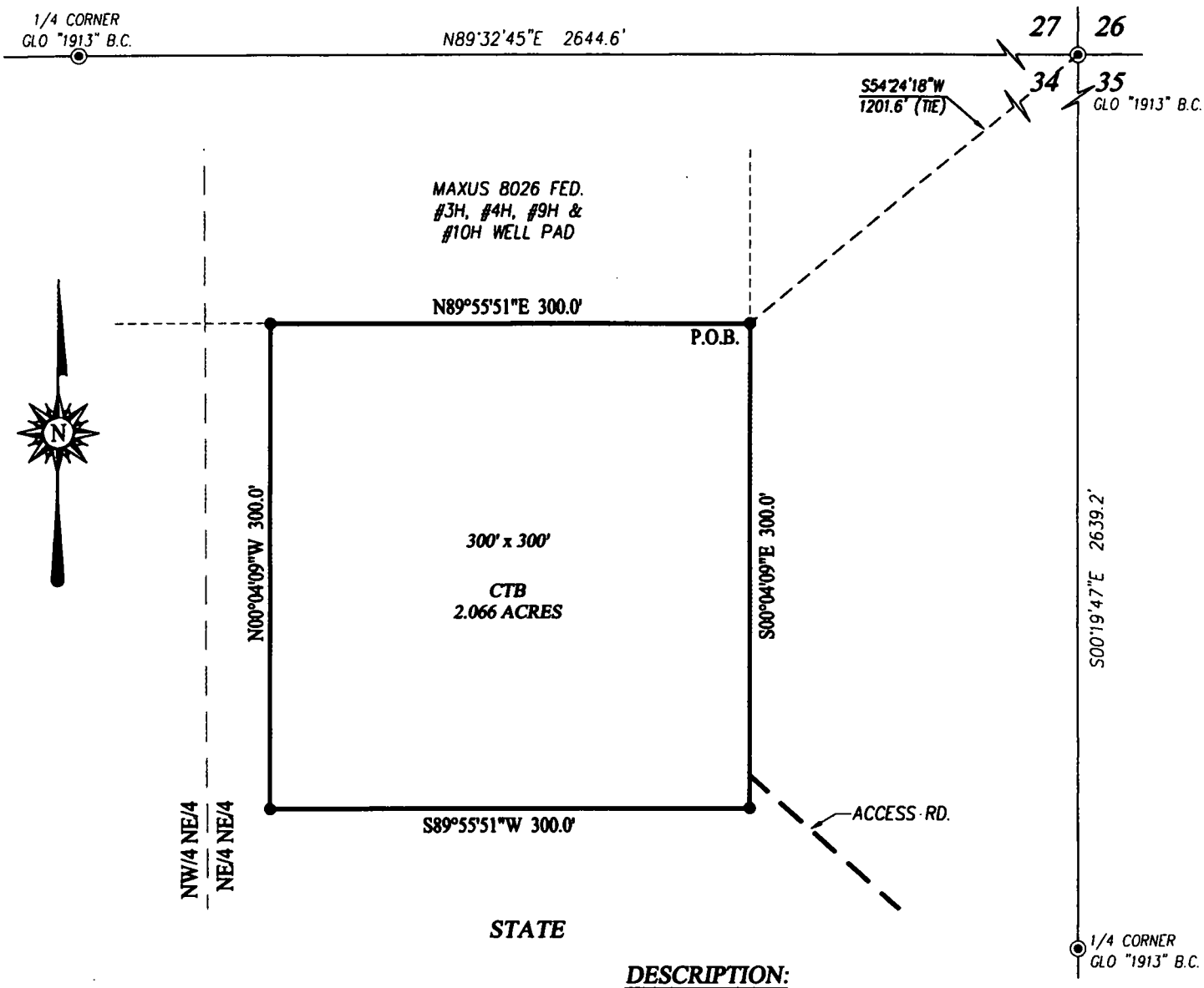
(575) 393-3117 www.jwsc.biz

TBPLS# 10021000

BTA OIL PRODUCERS, LLC

MAXUS 8026 FED #9H WELL LOCATED 500 FEET FROM THE NORTH LINE AND 1230 FEET FROM THE EAST LINE OF SECTION 34, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 02/06/19	CAD Date: 09/04/19	Drawn By: LSL
W.O. No.: 19131004	Rev:	Rel. W.O.: 19110178	Sheet 1 of 1



DESCRIPTION:

A TRACT OF LAND FOR A CTB ON STATE OF NEW MEXICO LAND IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 34, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 34, WHICH LIES S54°24'18"W 1201.6 FEET FROM THE NORTHEAST CORNER OF SAID SECTION; THEN S00°04'09"E 300.0 FEET; THEN S89°55'51"W 300.0 FEET; THEN N00°04'09"W 300.0 FEET; THEN N89°55'51"E 300.0 FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINING 2.066 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NE/4 2.066 ACRES

100 0 100 200 Feet

Scale: 1"=100'

LEGEND

- ◉ DENOTES FOUND CORNER AS NOTED
- ● DENOTES SET SPIKE NAIL

NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

I, GARY G. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 12641, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

GARY G. EIDSON NEW MEXICO 12641 PROFESSIONAL SURVEYOR

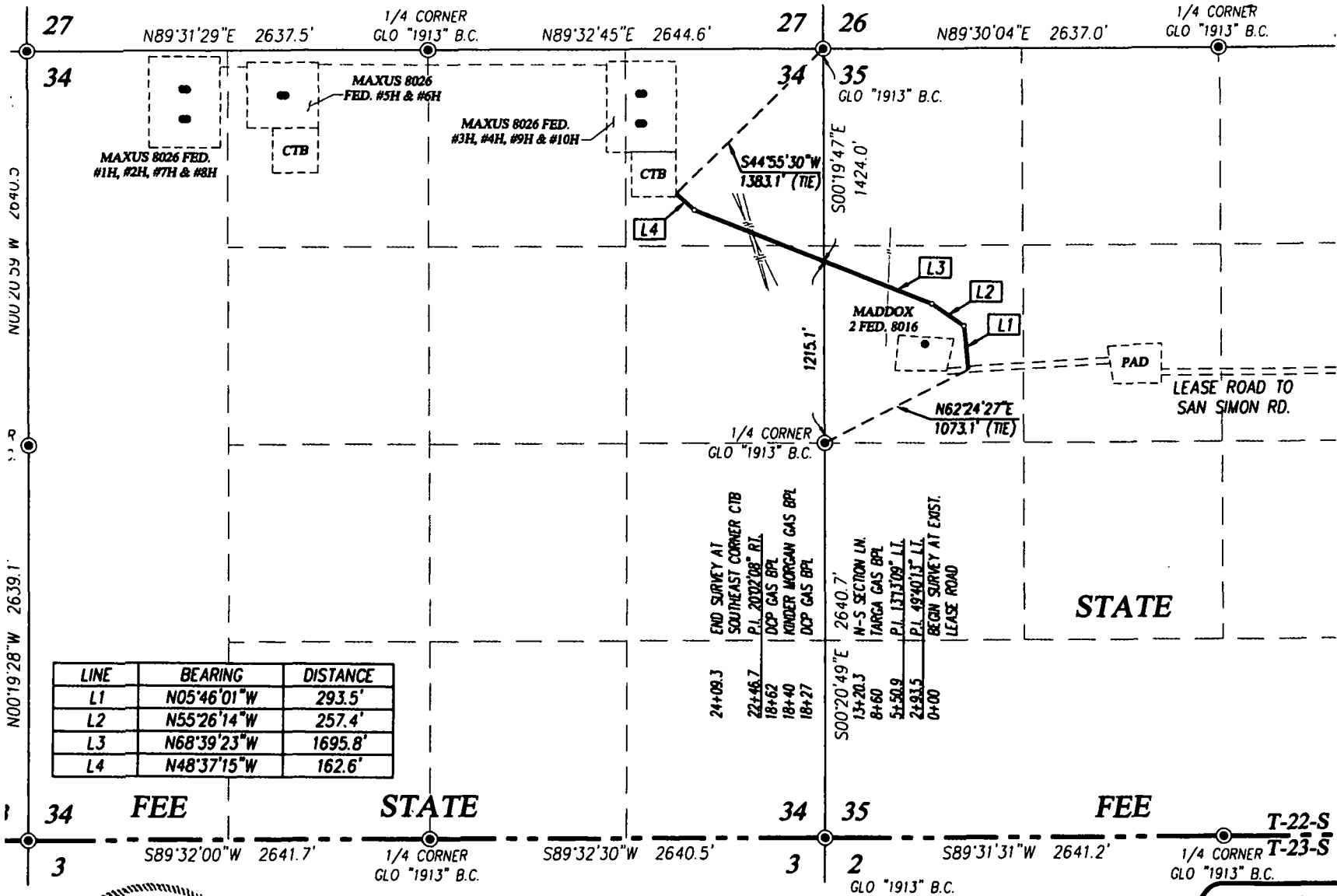
DATE: 4/30/19

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO HOBBS, N.M. 88240
(575) 393-3117 www.jwsc.biz
TBPLS# 10021000

BTA OIL PRODUCERS, LLC

**SURVEY FOR A CTB 300' x 300'
SITUATED IN THE NE/4 NE/4 OF SECTION 34,
TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO**

Survey Date: 4/4/19	CAD Date: 4/26/19	Drawn By: ACK
W.O. No.: 19110528	Rev: .	Rel. W.O.:	Sheet 1 of 1



LINE	BEARING	DISTANCE
L1	N05°46'01"W	293.5'
L2	N55°26'14"W	257.4'
L3	N68°39'23"W	1695.8'
L4	N48°37'15"W	162.6'

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE NEW MEXICO LAND IN SECTIONS 34 TOWNSHIP 22 SOUTH, RANGE 34 EA COUNTY, NEW MEXICO, AND BEING 15.0 FEET RIGHT OF THE FOLLOWIN SURVEY:

BEGINNING AT A POINT IN THE SOU THE NORTHWEST QUARTER OF SAID N62°24'27"E 1073.1 FEET FROM THI OF SAID SECTION 35; THEN N05°46 N55°26'14"W 257.4 FEET; THEN N6 THEN N48°37'15"W 162.6 FEET TO NORTHEAST QUARTER OF THE NOR SECTION 34, WHICH LIES S44°55'30 THE NORTHEAST CORNER OF SAID

SAID STRIP OF LAND BEING 2409.3 IN LENGTH, CONTAINING 1.659 ACR BEING ALLOCATED BY FORTIES AS

SECTION 35
SW/4 NW/4 80.02 RODS OR 0.90

SECTION 34
SE/4 NE/4 17.03 RODS OR 0.194
NE/4 NE/4 48.97 RODS OR 0.55

LEGEND

◉ – DENOTES FOUNI
——— – DENOTES CENTE

NOTE

BEARINGS SHOWN HEREON ARE MERCAT THE NEW MEXICO COORDINATE SYSTEM NORTH AMERICAN DATUM 1983. DISTANC

GARY G. EIDSON
12641
PROFESSIONAL SURVEYOR

ON, NEW MEXICO PROFESSIONAL SURVEYOR No. 12641, DO HEREBY HIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON ED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; ONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT MY KNOWLEDGE AND BELIEF.

4/30/19

1000 0 1000 2000 Feet
Scale: 1"=1000'

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412 N. DAL PASO HOBBS, N.M. 88240
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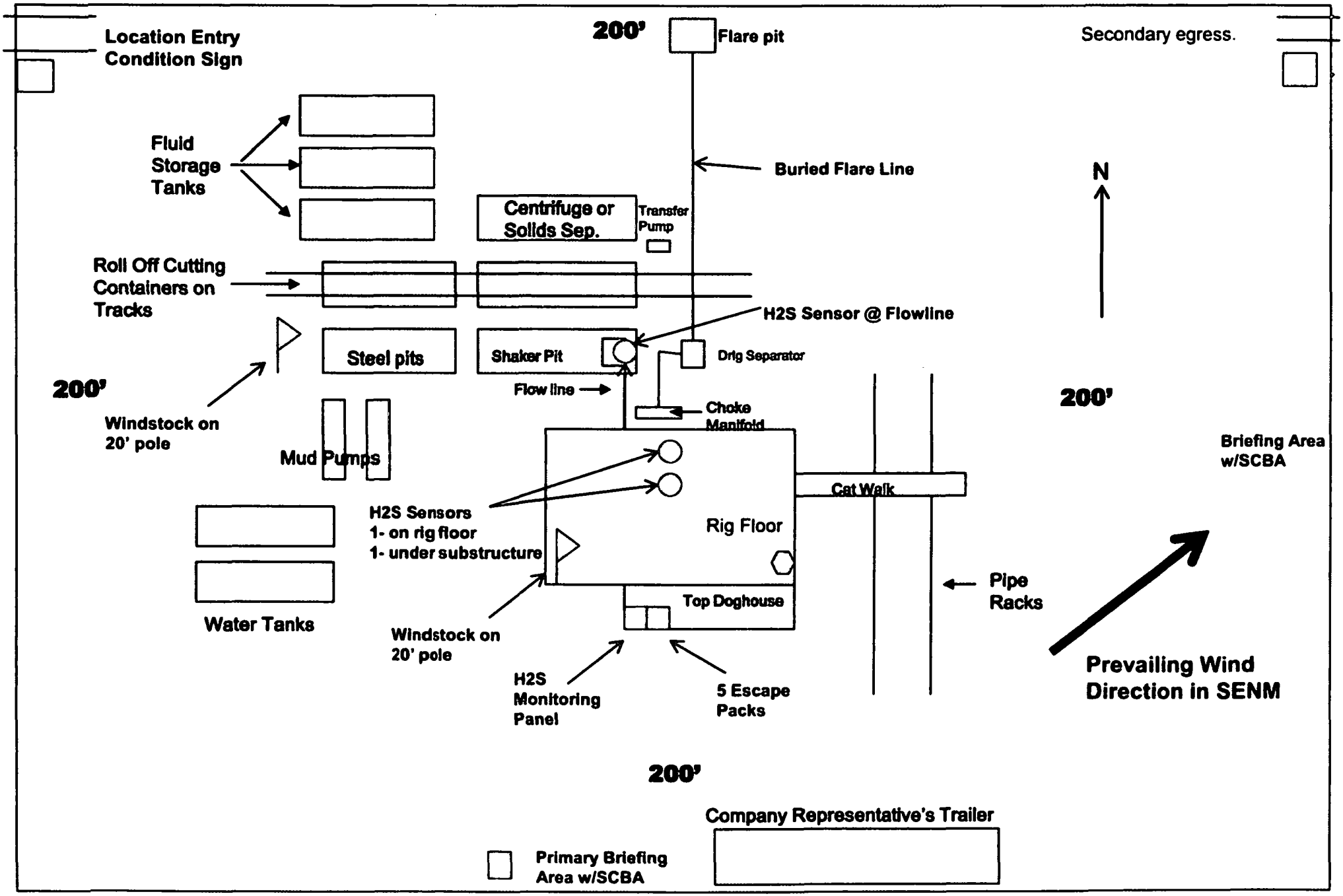
TBPLS# 10021000

BTA OIL PRODUC

SURVEY FOR AN ACCESS RO MAXUS 8026 FED. CTB CR SECTIONS 34 & 35, TOWNSHI RANGE 34 EAST, N.M.. LEA COUNTY, NEW ME

Survey Date: 4/04/19	CAD Date: 4/26
W.O. No.: 19110528	Rev: .	Rel. W.O.:

Oil Producers, LLC\Tracts\19110528 (2) 300x300 CTB & Access Rd to the Maxus 8026 Well Pads


Location Entry
Condition Sign
200'
Flare pit
Secondary egress.
Fluid
Storage
Tanks
Buried Flare Line
N
Centrifuge or
Solids Sep.
Transfer
Pump
Roll Off Cutting
Containers on
Tracks
H2S Sensor @ Flowline
Steel pits
Shaker Pit
Drlg Separator
200'
Flow line
200'
Windstock on
20' pole
Choke
Manifold
Mud Pumps
Briefing Area
w/SCBA
Cat Walk
H2S Sensors
1- on rig floor
1- under substructure
Rig Floor
Water Tanks
Pipe
Racks
Top Doghouse
Windstock on
20' pole
Prevailing Wind
Direction in SENM
H2S
Monitoring
Panel
5 Escape
Packs
200'
Company Representative's Trailer
Primary Briefing
Area w/SCBA

APD ID: 10400041909 **Submission Date:** 05/16/2019

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Well Type: OIL WELL **Well Work Type:** Drill

Section 1 - General

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

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Lined pit Monitor description:

Lined pit Monitor attachment:

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

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

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

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

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

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

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

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD discharge volume (bbl/day):

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

APD ID: 10400041909 **Submission Date:** 05/16/2019

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

Well Type: OIL WELL **Well Work Type:** Drill

[redacted]

Show Final Text

Bond Information

Federal/Indian APD: FED

[redacted]

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

Weatherford®

WFT Casing Head (Slip on Weld with O-Ring) Running Procedure

Publication RP-001

October 21, 2010

Operator Name: BTA OIL PRODUCERS LLC

Well Name: MAXUS 8026 FED **Well Number:** 9H

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?
EXIT Leg #1	2540	FNL	2100	FEL	23S	34E	3	Aliquot SWNE	32.333931	-103.45622	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 019143	-7865	18689	11275	
BHL Leg #1	2590	FNL	2100	FEL	23S	34E	3	Aliquot SWNE	32.333794	-103.45622	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 019143	-6965	18009	10375	