OCD Received 9/15/2020

| Form 3160-3 (June 2015) DEPARTMENT OF THE II BUREAU OF LAND MANA APPLICATION FOR PERMIT TO D | NTERIOR AGEMENT | EENTER | OMB No | APPROVED 0. 1004-0137 inuary 31, 2018 or Tribe Name | |
|--|--|---|------------------|--|---|
| 1b. Type of Well: Image: Control of Well Image: Control of Well: Image: Control of Well | EENTER ther ngle Zone 🖌 | Multiple Zone | | 7. If Unit or CA Agr 8. Lease Name and 3 STEVENS A 13F-1 1H | |
| 2. Name of Operator BURNETT OIL COMPANY INCORPORATED 3a. Address | 2h Dhone No | (include area coa | | 9. API Well No. 30 015 4754 10. Field and Pool, of | |
| Burnett Plaza - Suite 1500, 801 Cherry Street - Unit 9 Fort Location of Well (<i>Report location clearly and in accordance v</i> At surface LOT G / 1980 FNL / 2140 FEL / LAT 32.836 At proposed prod. zone LOT G / 1980 FNL / 2540 FEL / | (817)583-873 vith any State re 296 / LONG -1 | 0 quirements.*) 03.923766 | | LOCO HILLS / GLO | ORIETA YESO Blk. and Survey or Area |
| Distance in miles and direction from nearest town or post offi 27 miles | ice* | | | 12. County or Parish EDDY | n 13. State NM |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) | 16. No of acre 200 | s in lease | 17. Spaci 160 | ng Unit dedicated to th | his well |
| Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. | 19. Proposed I 6175 feet / 11 | | | /BIA Bond No. in file /B000197 | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3741 feet | 22. Approxima 04/01/2020 | te date work will | start* | 23. Estimated durati 14 days | on |
| The following, completed in accordance with the requirements of | 24. Attachr | | 1 and the L | Judroulia Fracturing r | ula per 42 CEP 2162 2 2 |
| (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 SUPO must be filed with the appropriate Forest Service Office | m Lands, the | Bond to cover th Item 20 above). Operator certific | ne operatior | as unless covered by an | n existing bond on file (see may be requested by the |
| 25. Signature (Electronic Submission) Title | | Printed/Typed) arvis / Ph: (817) | 583-8730 | | Date 07/17/2019 |
| Regulatory Coordinator Approved by (Signature) (Electronic Submission) | | Printed/Typed) yton / Ph: (575) | 234-5959 | | Date 09/11/2020 |
| Title Assistant Field Manager Lands & Minerals Application approval does not warrant or certify that the applicar 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, n | nake it a crime fo | equitable title to t | wingly and | willfully to make to a | |
| of the United States any false, fictitious or fraudulent statements of muds are not to be used until fresh water zones are cased and ceme rom the oil or diesel. This includes synthetic oils. Oil based mud, | ented providing drilling fluids | | within its | jurisdiction. Once the well is spuc through whole or par | d, to prevent ground wate rtial conduits from the sur rithout interruption throug all immediately set in cer |

(Continued on page 2)

Approval Date: 09/11/2020

*(Instructions on page 2)

Entered - KMS NMOCD

DISTRICT I Form C-102 State of New Mexico Energy, Minerals and Natural Resources Department 1625 N. French Dr., Hobbs, NM 88240 Phone (575) 393-6161 Fax: (575) 393-0720 Revised August 13, 2011 DISTRICT II Submit one copy to appropriate 811 S. First St., Artemia, NM 88210 Phone (575) 748-1283 Fact (575) 748-5780 District Office OIL CONSERVATION DIVISION DISTRICT III 1220 South St. Francis Dr. 1000 Rio Brazos Ed., Astec, NM 87410 Phone (505) \$34-5170 Page (505) \$34-5170 Santa Fe. New Mexico 87505 DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone (505) 476-3460 Fax: (505) 476-3468 AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT 96831 Code API Number CEDAR LAKE GLORIETA YESO" 30 015 47547 Property Code 20145 329732 **Property** Name Well Number STEVENS A 13F-14G 1H OGRID No. 03080 Operator Name Klevation 3741 BURNETT OIL COMPANY, INC. Surface Location UL or lot No. Section Township Range Lot Idn FEET from the SOUTH/South line FEET from the East/EAST line County G 17 13 S 30 E 1980 NORTH 2140 EAST EDDY Bottom Hole Location If Different From Surface UL or lot No. Section Township Range Lot Idn FEET from the SOUTH/South line FEET from the East/EAST line County G 14 17 S 30 E 1980 NORTH 2540 EAST EDDY Joint or Infill Consolidation Code Dedicated Acres Order No. 160 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 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsery pooling ofter heretofore entered by the division. 7/17/10 N: 670192.3 N: 670206.1 N: 670171.4 E: 669266.2 NAD 83 E: 858706.0 E: 883987.2 NAD 83 NAD 83 0 esti 7/17/19 all <mark>|08</mark> 980 Signature Date Leslie Garvis L.T.P/ B.H. F.T.P. Igarvis@burnettoil.com 2140 2540 SI Email Address SURVEYOR CERTIFICATION I hereby certify that the well location sho on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief. UNE 26, 120 MEXICO Date Su ey 664895.2 N: 664913.1 E: 664004.4 N: 664925.3 E: 869283.1 Signa re E: 658723.1 sional Prof urveyor NAD 83 NAD 83 NAD 83 BOTTOM HOLE/ LAST TAKE POINT Lat - N 32.836303° Long - W 103.942256° NMSPCE- N 668202.2 E 661453.7 FIRST TAKE POINT SURFACE LOCATION/ 1980 FNL & 2140 FWL KICK OFF POINT Lat - N 32.836297 Long - W 103.925717 NMSPCE- N 668218.9 E 666533.7 Lat - N 32.836296* Long - W 103.923766* NMSPCE- N 668221.1 E 667133.1 Certifica 7977 Gary BASIN SURVEYS (NAD-83) (NAD-83) (NAD-83) (NAVD-88) (NAVD-88) (NAVD-88) 1000' 2000' 3000' 4000 2000 WO Num.: 34581

DISTRICT I Form C-102 1625 N. French Dr., Hobbs, NM 88240 Phone (575) 393-5161 Fax: (575) 393-0720 State of New Mexico Energy, Minerals and Natural Resources Department Revised August 13, 2011 DISTRICT II Submit one copy to appropriate 811 S. First St., Artesia, NM 88210 Phone (575) 748-1283 Fax: (575) 748-9720 District Office OIL CONSERVATION DIVISION DISTRICT III 1220 South St. Francis Dr. 1000 Rio Brazos Rd., Aztec, NM 87410 Phone (505) 334-8178 Fax: (505) 334-8170 Santa Fe, New Mexico 87505 DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone (505) 476-3460 Fax: (505) 476-3462 □ AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name 96831 CEDAR LAKE GLORIETA YESO Property Code 20145 Property Name Well Number STEVENS A 13F-14G 1H ogrid no. 03080 **Operator** Name Elevation 3741 BURNETT OIL COMPANY, INC. Surface Location UL or lot No. Section Township Range Lot Idn FEET from the SOUTH/South line FEET from the East/EAST line County G 13 17 S 30 E 1980 NORTH 2140 FAST **FDDY** Bottom Hole Location If Different From Surface UL or lot No. Section Township Range Lot Idn FEET from the SOUTH/South line FEET from the East/EAST line County G 14 17 S 30 E 1980 NORTH 2540 EAST EDDY Dedicated Acres Joint or Infill **Consolidation** Code Order No. 160 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 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the N: 670171.4 N: 670206.1 E: 669266.2 N: 670192.3 E: 663987.2 unseress or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. E: 658706.0 NAD 83 NAD 83 NAD 83 7/17/19 [8] 980 pr Ma Signature Date ENTRY POINT 3 ENTRY POINT 2 ENTRY POINT 1 Leslie Garvis L.T.P B.H. _____O 2140' 2540' lgarvis@burnettoil.com SI NMLC-030570-A NMLC-029339-A MLC-055958 NMLC-029338-A Email Address ---------3 SURVEYOR CERTIFICATION ENTRY POINT 3 1980 FNL & 0 FWL N32.836300 W103.933986 N668210.6 E663993.7 (NAP-83) ENTRY POINT 2 1980 FNL & 1320 FWL N32.836297 W103.929692 N668214.9 E665313.4 (NAP-83) ENTRY POINT 1 1980 FNL & 2639 FEL N32.836297 W103.925394 N668219.3 E666633.1 (NAP_83) I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief. (NAP-83) (NAP-83) (NAVD-88) (NAVD-88) (NAVD-88) UNE 26, J20 MEXICO veyed Date 664895.2 N: 664913.1 ire N: Signa N: 664925.3 t of E: 658723.1 NAD 83 E: 664004.4 E: 669283.1 Prof sional urveyor **NAD 83 NAD 83** BOTTOM HOLE/ FIRST TAKE POINT SURFACE LOCATION/ LAST TAKE POINT 1980 FNL & 2140 FWL KICK OFF POINT Lat – N 32.836303° Long – W 103.942256° Lat – N 32.836297* Long – W 103.925717* Lat - N 32.836296* Long - W 103.923766* NMSPCE- N 668221.1 E 667133.1 NMSPCE- N 668202.2 E 661453.7 NMSPCE- N 668218.9 E 666533.7 Certific 7977 Gary (NAD-83) SUN SURVEYS (NAD-83) Б (NAD-83) (NAVD-88) (NAVD-88) (NAVD-88) 1000' 2000 3000' **4000** 2000 WO Num.: 34581

| Intent As Drilled | | |
|-------------------|----------------|-------------|
| API # | | |
| Operator Name: | Property Name: | Well Number |
| | | |

Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|--------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| Latitu | de | | | | Longitude | | | | NAD |

First Take Point (FTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|--------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| Latitu | de | | | | Longitude | | | | NAD |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|--------|---------|----------|-------|-----|----------|----------|------|----------|--------|
| Latitu | de | | | | Longituc | le | | | NAD |

| Is this well the defining well for the Horizontal Spacing Unit? | |
|---|--|
| | |
| | |

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

| API # | | |
|----------------|----------------|-------------|
| Operator Name: | Property Name: | Well Number |
| | | |

KZ 06/29/2018

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

GAS CAPTURE PLAN

Date: 07/15/2019

X Original

Operator & OGRID No.: Burnett Oil Co., Inc./ 03080

□ Amended - Reason for Amendment:_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

| Well Name | API | Well Location (ULSTR) | Footages | Expected MCF/D | Flared or Vented | Comments |
|----------------------|-----|--------------------------|------------------------|-------------------|---------------------|--|
| Stevens A 13F-14G 1H | TBD | G-13 Ž∰ EŽ∕07 | 1980' FNL 2140' FEL | 400 MCF | | Will go to gas sales line, first day of production |
| | | | | | | |

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to <u>DCP</u> and will be connected to <u>DCP</u> low/ high pressure gathering system located in Eddy County, New Mexico. It will require 0' of pipeline to connect the facility to low/high pressure gathering system. <u>Burnett Oil Co., Inc.</u> provides (periodically) to <u>DCP</u> a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, <u>Burnett Oil Co., Inc.</u> and <u>DCP</u> have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at <u>DCP Linam Ranch</u> Processing Plant located in Sec.<u>6</u>, Twn.<u>19S</u>, Rng.<u>37E</u>, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on <u>DCP Gas</u> system at that time. Based on current information, it is <u>Burnett's</u> belief the system can take this gas upon completion of the well(s). <u>NOTE: It should be noted that Burnett does</u> not flowback but rather sends wells to the production facility upon completion.

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal On lease
 - o Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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

| Is the propos | sed well in a Helium produ | ction area? N | Use Existing Well Pad? | NO | New surface disturbance? |
|---------------|----------------------------|----------------|------------------------|---------|--------------------------|
| Type of Well | Pad: SINGLE WELL | | Multiple Well Pad Name | : | Number: |
| Well Class: H | IORIZONTAL | | Number of Legs: 1 | | |
| Well Work Ty | /pe: Drill | | | | |
| Well Type: O | IL WELL | | | | |
| Describe We | II Туре: | | | | |
| Well sub-Typ | e: INFILL | | | | |
| Describe sub | o-type: | | | | |
| Distance to t | own: 27 Miles | Distance to ne | arest well: 424 FT | Distanc | e to lease line: 1980 FT |
| Reservoir we | ell spacing assigned acres | Measurement: | 160 Acres | | |
| Well plat: | 2019.07.17_Well_Plat_201 | 90717095957.pd | lf | | |
| | STEVENS_A_13F_14G_1 | H_FLOW_LINE_ | 20200205092348.pdf | | |
| | 2019.07.17_Lease_Map_2 | 0190717173435 | _20200205103256.pdf | | |
| Well work sta | art Date: 04/01/2020 | | Duration: 14 DAYS | | |

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Survey number:

Vertical Datum: NAVD88

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 | 198 0 | FNL | 214 0 | FEL | 17S | 30E | 13 | Lot G | 32.83629 6 | - 103.9237 66 | EDD Y | NEW MEXI CO | NEW MEXI CO | F | NMLC0 029339 A | 374 1 | 0 | 0 | |
| KOP Leg #1 | 198 0 | FNL | 214 0 | FEL | 17S | 30E | 13 | Lot G | 32.83629 6 | - 103.9237 66 | EDD Y | NEW MEXI CO | NEW MEXI CO | F | NMLC0 029339 A | 374 1 | 0 | 0 | |

Operator Name: BURNETT OIL COMPANY INCORPORATED

Well Name: STEVENS A 13F-14G

Well Number: 1H

| Wellbore | NS-Foot | NS Indicator | EW-Foot | EW Indicator | Twsp | Range | Section | Aliquot/Lot/Tract | Latitude | Longitude | County | State | Meridian | Lease Type | Lease Number | Elevation | MD | TVD | Will this well produce from this lease? |
|----------|---------|--------------|--------------|---|---|------------|------------|-------------------|----------------------------|----------------|----------|-------|------------|------------|--------------|-----------|----------|----------|---|
| PPP | | | 132 | FW | 17S | 30E | 14 | | 32.83629 | 1 | EDD | | 1 | 1 1 | NMLC0 | | 115 | 617 | |
| Log | 0 | | 0 | | 1 | 1 | ' | Н | | 103.9296 92 | Y | | MEXI CO | ' | 055958 | 243 4 | 87 | 5 | ' |
| #1-1 | | <u> </u> | └── ′ | ا ــــــــــــــــــــــــــــــــــــ | ا ــــــــــــــــــــــــــــــــــــ | ↓ ' | ' | <u> </u> | <mark>اـــــــــــا</mark> | 92 | | | | \vdash | | 4 | <u> </u> | <u> </u> | ′ |
| PPP | 198 | FNL | 0 | FW | 17S | 30E | 13 | Lot | 32.83629 | | EDD | | 1 | | NMLC0 | | | 617 | |
| Leg | 0 | 1 1 | 1 | 1 ^L | 1 | 1 | 1 | E | | 103.9296 | Y | MEXI | | | 029338 | | 87 | 5 | ' |
| #1-2 | | 1 1 | 1 | 1 | 1 | 1 | 1 | ' | | 92 | 1 | CO | CO | 7 | A | 4 | | ' | 1 |
| PPP | 198 | FNL | 214 | FW | 17S | 30E | 13 | Lot | 32.83629 | - | EDD | NEW | NEW | F | NMLC0 | - | 115 | 617 | |
| | 0 | | 0 | IL I | 1 | 1 | 1 | | | 103.9257 | Y | MEXI | | | 030570 | 243 | 87 | 5 | 1 |
| #1-3 | | 1 1 | 1 | 1 | 1 | 1 | 1 | ' | | 17 | | CO | CO | | A | 4 | | ' | |
| PPP | 198 | FNL | 263 | FEL | 17S | 30E | 13 | Lot | 32.83629 | - | EDD | NEW | NEW | F | NMLC0 | - | 659 | 621 | |
| | 0 | | 9 | 1 | 1 | 1 | 1 | F | 7 | 103.9253 | Y | MEXI | | 6' | 030570 | 247 | 0 | 9 | 1 |
| #1-4 | | 1 1 | 1 | 1 | 1 | 1 | 1 | ' | | 94 | | CO | со | [| A | 8 | | ' | |
| EXIT | 198 | FNL | 254 | FEL | 17S | 30E | 14 | Lot | 32.83630 | [- | EDD | NEW | NEW | F | NMLC0 | - | 115 | 617 | [] |
| Leg | 0 | 1 | 0 | 1 1 | 1 | 1 | 1 | G | | 103.9422 | Y | MEXI | | ' | 029338 | 243 | 87 | 5 | |
| #1 | | | 1 | 1 | 1 | 1 | 1 | | | 56 | | CO | co | ' | A | 4 | | ! | |
| BHL | 198 | FNL | 254 | FEL | 17S | 30E | 14 | Lot | 32.83630 | - | EDD | NEW | NEW | F | NMLC0 | - | 115 | 617 | |
| Leg | 0 | 1 1 | 0 | 1 | 1 | 1 | 1 | G | 3 | 103.9422 | Y | MEXI | | ' | 029338 | 243 | 87 | 5 | |
| #1 | | 1 1 | 1 | 1 | 1 | 1 | | | | 56 | Ĕ | CO | CO | ' | A | 4 | | ' | |

Well Name: STEVENS A 13F-14G

Well Number: 1H

BOP_20200205081946.pdf

BOP Diagram Attachment:

BOP_20200205082000.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 | CONDUCT OR | 24 | 20.0 | NEW | API | N | 0 | 90 | 0 | 90 | | | 90 | OTH ER | | OTHER - null | | | | | | |
| 2 | SURFACE | 17.5 | 13.375 | NEW | API | N | 0 | 515 | 0 | 515 | | | 515 | J-55 | 48 | ST&C | 1.12 5 | 1 | DRY | 1.8 | DRY | 1.8 |
| 3 | INTERMED IATE | 12.2 5 | 9.625 | NEW | API | N | 0 | 2000 | 0 | 2000 | | | 2000 | J-55 | 36 | ST&C | 1.12 5 | 1 | DRY | 1.8 | DRY | 1.8 |
| 4 | PRODUCTI ON | 8.5 | 7.0 | NEW | API | N | 0 | 4800 | 0 | 4800 | | | 4800 | L-80 | 26 | LT&C | 1.12 5 | 1 | DRY | 1.8 | DRY | 1.8 |
| 5 | PRODUCTI ON | 8.5 | 5.5 | NEW | API | N | 4800 | 11587 | 4800 | 6175 | | | 6787 | L-80 | 17 | LT&C | 1.12 5 | 1 | DRY | 1.8 | DRY | 1.8 |

Casing Attachments

Casing ID: 1

String Type: CONDUCTOR

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing Attachments

| Casing ID: | 2 | String Type: SURFACE |
|------------|---|----------------------|
| Casing iD. | ~ | |

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Safety_Factors_20190717131312.pdf

Casing ID: 3 String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Safety_Factors_20190717131330.pdf

Casing ID: 4 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Safety_Factors_20190717131515.pdf

Casing Attachments

Casing ID: 5 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Safety_Factors_20190717131703.pdf

| Section | 4 - Ce | emen | t | | | | | | | | |
|-------------|-----------|---------------------|--------|-----------|--------------|-------|---------|-------|---------|--------------------------|-----------|
| String Type | Lead/Tail | Stage Tool Depth | Top MD | Bottom MD | Quantity(sx) | Yield | Density | Cu Ft | Excess% | Cement type | Additives |
| CONDUCTOR | Lead | | 0 | 90 | 0 | 0 | 0 | 0 | 0 | Contractor Discretion | N/A |

| SURFACE | Lead | | 0 | 515 | 330 | 1.75 | 13.5 | 578 | 100 | ExtendaCem | CZ 0.1250 lbm Poly-E- Flake |
|--------------|------|------|---|------|------|------|------|------|-----|---|--|
| SURFACE | Tail | | 0 | 515 | 340 | 1.35 | 14.8 | 459 | 100 | HalCem | 2% Calcium Chloride – flake |
| INTERMEDIATE | Lead | | 0 | 2000 | 475 | 1.75 | 13.5 | 831 | 50 | ExtendaCem | CZ 0.1250 lbm Poly-E- Flake |
| INTERMEDIATE | Tail | | 0 | 2000 | 205 | 1.33 | 14.8 | 272 | 50 | HalCem | none |
| PRODUCTION | Lead | 4700 | 0 | 4800 | 1135 | 1.48 | 13 | 1680 | 20 | PVL + 1.3% (BWOW) PF44 Salt + 5% PF174 Expanding Cement | 0.5% PF606 Fluidloss + 0.2% PF13 Retarder + 0.1%PF153 Antisettling + 0.4 pps PF45 Defoamer |

| PRODUCTION | Lead | 4800 | 1158 | 305 | 1.82 | 12.9 | 555 | 35 | PerLite/C | + 5% (BWOW) PF44 |
|------------|------|------|------|-----|------|------|-----|----|-----------|-----------------------|
| | | | 7 | | | | | | | Salt + 6% PF20 |
| | | | | | | | | | | Bentonite + 0.2% PF13 |
| | | | | | | | | | | Retarder + 3 pps PF42 |
| | | | | | | | | | | Kol-Seal + 0.4 pps |
| | | | | | | | | | | PF45 Defoamer + 0.125 |

Operator Name: BURNETT OIL COMPANY INCORPORATED

Well Name: STEVENS A 13F-14G

Well Number: 1H

| String Type | Lead/Tail | Stage Tool Depth | Top MD | Bottom MD | Quantity(sx) | Yield | Density | Cu Ft | Excess% | Cement type | Additives |
|-------------|-----------|---------------------|--------|-----------|--------------|-------|---------|-------|---------|-------------|--|
| | | | | | | | | | | | pps PF29 Cellophane |
| PRODUCTION | Tail | | 4800 | 1158 7 | 150 | 1.48 | 13 | 222 | 35 | | + 1.3% (BWOW) PF44 Salt + 5% PF174 Expanding Cement + 0.5% PF606 Fluidloss + 0.1% PF153 Antisettling + 0.4 pps PF45 Defoamer |

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 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: The necessary mud products for weight addition and fluid loss control will be on location at all times.

Describe the mud monitoring system utilized: Pason equipment will be used to monitor the mud system.

Circulating Medium Table

| Top Depth | Bottom Depth | ed L pn W OTHER : Brine | 8 Min Weight (Ibs/gal) | 0 Max Weight (lbs/gal) | Density (Ibs/cu ft) | Gel Strength (lbs/100 sqft) | Hd | Viscosity (CP) | Salinity (ppm) | Filtration (cc) | Additional Characteristics |
|-----------|--------------|----------------------------------|------------------------|------------------------|---------------------|-----------------------------|----|----------------|----------------|-----------------|----------------------------|
| 515 | 2000 | OTTER . Blille | 0.4 | 10 | | | | | | | |
| 2000 | 1064 8 | OTHER : Brine | 8.4 | 10 | | | | | | | |
| 0 | 515 | WATER-BASED MUD | 8.4 | 9.5 | | | | | | | |

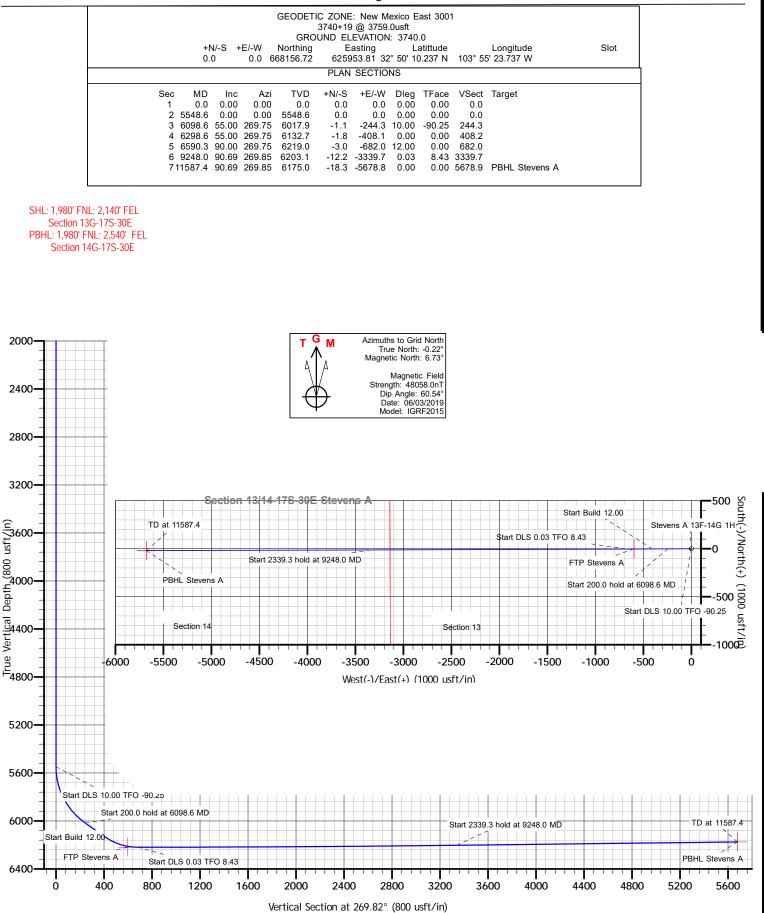


COMPANY: Burnett Oil Co. WELL: Stevens A 13F-14G 1H COUNTY: Eddy County, NM DATUM: NAD 1927 (NADCON CONUS)

RIG:



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.73°





Burnett Oil Co.

Eddy County, NM Section 13/14-17S-30E Stevens A Stevens A 13F-14G 1H

Original Hole

Plan: Plan #1

Standard Planning Report

03 June, 2019





Planning Report



| Database: Company: Project: Site: Well: Wellbore: Design: | Burnet Eddy (Sectio Stever Origina | EDM 5000.15 Single User Db Burnett Oil Co. Eddy County, NM Section 13/14-17S-30E Stevens A Stevens A 13F-14G 1H Original Hole Plan #1 | | | | Local Co-ordinate Reference:Site Section 13/14-17S-30E Stevens ATVD Reference:3740+19 @ 3759.0usftMD Reference:3740+19 @ 3759.0usftNorth Reference:GridSurvey Calculation Method:Minimum Curvature | | | | | evens A |
|---|---|---|---|--|---|--|--|--|--|---|---|
| Project | Eddy C | ounty, NM | | | | | | | | | |
| Map System: Geo Datum: Map Zone: | NAD 192 | e Plane 1927 (l ?7 (NADCON 0 kico East 3001 | CONUS) | lution) | | System Dat | um: | М | ean Sea Level | | |
| Site | Section | 13/14-17S-30 |)E Steve | ns A | | | | | | | |
| Site Position: From: Position Uncertai | Map nty: | | | Northing: Easting: Slot Radius: | | | ,156.72 usft ,953.81 usft 13-3/16 " | Latitude: Longitude: Grid Converg | jence: | | 32° 50' 10.237 N 103° 55' 23.737 W 0.22 ° |
| Well | Stevens | A 13F-14G 1 | Н | | | | | | | | |
| Well Position | +N/-S | (| 0.0 usft | Northing: | | | 668,156.72 | usft Lat | itude: | | 32° 50' 10.237 N |
| | +E/-W | (| 0.0 usft | Easting: | | | 625,953.81 | | ngitude: | | 103° 55' 23.737 W |
| Position Uncertai | nty | (| 0.0 usft | Wellhead | Elevatior | n: | 19.0 | usft Gro | ound Level: | | 3,740.0 usft |
| Wellbore | Origina | al Hole | | | | | | | | | |
| Magnetics | Мо | del Name | : | Sample Date | | Declina (°) | tion | | Angle °) | | trength T) |
| | | | | | | | | | | | |
| | | IGRF2015 | | 06/03/ | 19 | () | 6.95 | | 60.54 | 48,0 | 57.97624831 |
| Design | Plan #1 | | | 06/03/ | 19 | | 6.95 | | 60.54 | 48,0 | 57.97624831 |
| Design Audit Notes: | Plan #1 | | | 06/03/ | 19 | | 6.95 | | 60.54 | 48,0 | 57.97624831 |
| _ | Plan #1 | | | 06/03/ Phase: | | ОТОТУРЕ | | On Depth: | 60.54 | 0.0 | 57.97624831 |
| Audit Notes: | Plan #1 | | | | | | Tie | On Depth: :/-W | | | 57.97624831 |
| Audit Notes: Version: | Plan #1 | | Depth Fre | Phase: om (TVD) sft) | | OTOTYPE +N/-S (usft) | Tie +E (u | :/-W sft) | Dir | 0.0 rection (°) | 57.97624831 |
| Audit Notes: Version: | Plan #1 | | Depth Fre | Phase: om (TVD) | | OTOTYPE +N/-S | Tie +E (u | :/-W | Dir | 0.0 | 57.97624831 |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From | Program | Date | Depth Fre | Phase: om (TVD) sft) .0 | | OTOTYPE +N/-S (usft) | Tie +E (u | :/-W sft) | Dir | 0.0 rection (°) | 57.97624831 |
| Audit Notes: Version: Vertical Section: Plan Survey Tool | Program | Date 1 To | Depth Fra (us 0 | Phase: om (TVD) sft) .0 19 | PR | OTOTYPE +N/-S (usft) | Tie +E (u | :/-W sft) | Dir | 0.0 rection (°) | 57.97624831 |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) | Program n Depti (ust | Date n To ft) Survey | Depth Fr (us 0 06/03/ | Phase: om (TVD) sft) .0 19 re) | PR | OTOTYPE +N/-S (usft) 0.0 | Tie +E (u C | :/-W sft)).0 | Dir | 0.0 rection (°) | 57.97624831 |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) | Program n Depti (ust | Date n To ft) Survey | Depth Fro (us 0 06/03/ r (Wellbo | Phase: om (TVD) sft) .0 19 re) | PR | OTOTYPE +N/-S (usft) 0.0 | Tie +E (u C | :/-W sft)).0 | Dir | 0.0 rection (°) | 57.97624831 |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) | Program n Depti (ust | Date n To ft) Survey | Depth Fro (us 0 06/03/ r (Wellbo | Phase: om (TVD) sft) .0 19 re) | PR | OTOTYPE +N/-S (usft) 0.0 | Tie +E (u C | :/-W sft)).0 | Dir | 0.0 rection (°) | 57.97624831 |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) 1 0 Plan Sections Measured Depth Ir | Program n Deptł (usi 0.0 11,5 | Date n To ft) Survey 587.4 Plan #1 | Depth Fr (us 0 06/03/ r (Wellbo 1 (Origina Vertica Depti | Phase: om (TVD) sft) .0 19 re) al Hole) al Hole) | PR(T M O' | OTOTYPE +N/-S (usft) 0.0 Cool Name WD WSG MWD +E/-W | Tie +E (u C | Remarks Build Rate | Dia 2 Turn Rate | 0.0 rection (°) 69.82 | |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) 1 0 Plan Sections Measured | Program n Depti (ust | Date n To ft) Survey 587.4 Plan #1 | Depth Fr (us 0 06/03/ r (Wellbo 1 (Origina Vertica | Phase: om (TVD) sft) .0 19 re) al Hole) al h +N/-3 | PR(T M O' | OTOTYPE +N/-S (usft) 0.0 Cool Name WD WSG MWD | Tie +E (u C | Sft) 0.0 Remarks Build | Din 2 | 0.0 rection (°) 69.82 | 57.97624831 |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) 1 0 Plan Sections Measured Depth Ir (usft) Ir | Program n Depti (usi 0.0 11,5 nclination (°) 0.00 | Date n To ft) Survey 587.4 Plan #1 Azimuth (°) 0.00 | Depth Fr (us 0 06/03/ r (Wellbo 1 (Origina Vertica Depti (usft | Phase: om (TVD) sft) .0 19 re) al Hole) al h +N/-3) (usft 0.0 | PR(T M O' 5 0.0 | OTOTYPE +N/-S (usft) 0.0 Tool Name WD WSG MWD +E/-W (usft) 0.0 | Standard Dogleg Rate (°/100usft) 0.00 | Build Remarks (°/100usft) | Dia 2 2 Turn Rate (°/100usft) 0.00 | 0.0 rection (°) 69.82 TFO (°) 0.00 | |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) 1 0 Plan Sections Measured Depth Ir (usft) Ir (usft) | Program n Depth 0.0 11,5 nclination (°) 0.00 0.00 | Date n To ft) Survey 587.4 Plan #1 Azimuth (°) 0.00 0.00 | Depth Fr (us 0 06/03/ r (Wellbo 1 (Origina 1 (Origina Vertica Depti (usft 5,5 | Phase: om (TVD) sft) .0 19 re) al Hole) al h +N/-3 h +N/-3 0.0 i48.6 | PR(T M O' 5) 0.0 0.0 0.0 | OTOTYPE +N/-S (usft) 0.0 Cool Name WD WSG MWD +E/-W (usft) 0.0 0.0 0.0 | - Standard Dogleg Rate (°/100usft) 0.00 0.00 | Build Remarks (°/100usft) 0.00 0.00 | Dia 2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 0.0 rection (°) 69.82 TFO (°) 0.00 0.00 | |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) 1 0 Plan Sections Measured Depth Ir (usft) Ir (usft) Ir | Program n Deptt 0.0 11,5 nclination (°) 0.00 0.00 55.00 | Date n To ft) Survey 587.4 Plan #1 Azimuth (°) 0.00 0.00 0.00 269.75 | Depth Fr (us 0 06/03/ r (Wellbo 1 (Origina 1 (Origina 1 (Origina 5,5 6,0 | Phase: om (TVD) sft) .0 19 19 al Hole) al Hole) al h +N/-3) (usft 0.0 i48.6 i17.9 | PR(T M O' S) 0.0 0.0 -1.1 | OTOTYPE +N/-S (usft) 0.0 Cool Name WD WSG MWD +E/-W (usft) 0.0 0.0 0.0 0.0 0.0 0.0 | Tie (u (u C Standard Dogleg Rate (°/100usft) 0.00 0.00 10.00 | Build Remarks (°/100usft) 0.00 0.00 0.00 10.00 | Dia 2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 0.0 rection (°) 69.82 TFO (°) 0.00 0.00 0.00 0.00 -90.25 | |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) 1 0 Plan Sections Measured Depth Ir (usft) Ir (usft) 0.0 5,548.6 6,098.6 6,298.6 | Program n Deptit 0.0 11,5 nclination (°) 0.00 0.00 55.00 55.00 | Date n To ft) Survey 587.4 Plan #1 Azimuth (°) 0.00 0.00 269.75 269.75 | Depth Fr (us 06/03/ r (Wellbo 1 (Origina Vertic: Depti (usft 5,5 6,0 6,1 | Phase: om (TVD) sft) .0 19 19 al Hole) al Hole) | PR(T M O' S) 0.0 0.0 -1.1 -1.8 | OTOTYPE +N/-S (usft) 0.0 Cool Name WD WSG MWD +E/-W (usft) 0.0 0.0 0.0 0.0 -244.3 -408.1 | Tie (u (u C Standard Dogleg Rate (°/100usft) 0.00 0.00 10.00 0.00 | Build Remarks (°/100usft) 0.00 0.00 0.00 10.00 0.00 | Dia 2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 0.0 rection (°) 69.82 TFO (°) 0.00 0.00 0.00 -90.25 0.00 | |
| Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (usft) 1 0 Plan Sections Measured Depth Ir (usft) Ir (usft) Ir | Program n Deptt 0.0 11,5 nclination (°) 0.00 0.00 55.00 | Date n To ft) Survey 587.4 Plan #1 Azimuth (°) 0.00 0.00 0.00 269.75 | Depth Fr (us 06/03/ r (Wellbo 1 (Origina Vertic: Depti (usft 5,5 6,0 6,1 6,2 | Phase: om (TVD) sft) .0 19 19 al Hole) al Hole) | PR(T M O' S) 0.0 0.0 -1.1 | OTOTYPE +N/-S (usft) 0.0 | Tie (u (u C Standard Dogleg Rate (°/100usft) 0.00 0.00 10.00 | Build Remarks (°/100usft) 0.00 0.00 0.00 10.00 | Curn Rate (°/100usft) 0.00 0.00 114.50 0.00 0.00 | 0.0 rection (°) 69.82 TFO (°) 0.00 0.00 0.00 0.00 -90.25 | |



Planning Report



| Database: | EDM 5000.15 Single User Db | Local Co-ordinate Reference: | Site Section 13/14-17S-30E Stevens A |
|-----------|---------------------------------|------------------------------|--------------------------------------|
| Company: | Burnett Oil Co. | TVD Reference: | 3740+19 @ 3759.0usft |
| Project: | Eddy County, NM | MD Reference: | 3740+19 @ 3759.0usft |
| Site: | Section 13/14-17S-30E Stevens A | North Reference: | Grid |
| Well: | Stevens A 13F-14G 1H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | Plan #1 | | |

| 100.0 0.00 100.0 0.0 0.00 <t< th=""><th>sft)</th></t<> | sft) |
|--|------|
| 100.0 0.00 100.0 0.0 0.0 0.00 <td< td=""><td>0.00</td></td<> | 0.00 |
| 200.0 0.00 0.00 200.0 0.0 0.00 <t< td=""><td>0.00</td></t<> | 0.00 |
| 300.0 0.00 0.00 300.0 0.0 0.0 0.00 <td< td=""><td>0.00</td></td<> | 0.00 |
| 400.0 0.00 0.00 0.00 0.0 0.00 0.00 0.00 0.00 500.0 0.00 0.00 500.0 0.00 | 0.00 |
| $ \left(\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0.00 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| 700.0 0.00 700.0 0.00 < | 0.00 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0.00 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 0.00 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 0.00 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0.00 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0.00 |
| 1,300.0 0.00 1,300.0 0.00 | 0.00 |
| 1,400.0 0.00 1,400.0 0.0 0.0 0.00 | 0.00 |
| $\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0.00 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0.00 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0.00 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0.00 |
| 1,800.0 0.00 1,800.0 0.00 1,800.0 0.00 | 0.00 |
| 1,900.0 0.00 1,900.0 0.0 0.0 0.0 0.00 | 0.00 |
| $\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0.00 |
| $\left[\begin{array}{c c c c c c c c c c c c c c c c c c c $ | |
| 2,200.0 0.00 0.00 2,200.0 0.0 0.0 0.00 | 0.00 |
| 2,300.0 0.00 0.00 2,300.0 0.0 0.0 0.00 | 0.00 |
| 2,400.0 0.00 2,400.0 0.0 0.0 0.00 0.00 0.00 0.00 2,500.0 0.00 0.00 2,500.0 0.00 | 0.00 |
| 2,500.0 0.00 0.00 2,500.0 0.0 0.0 0.00 | 0.00 |
| 2,600.0 0.00 2,600.0 0.0 0.0 0.00 | 0.00 |
| 2,600.0 0.00 2,600.0 0.0 0.0 0.00 | 0.00 |
| 2,700.0 0.00 2,700.0 0.0 0.0 0.0 0.00 | 0.00 |
| 2,800.0 0.00 0.00 2,800.0 0.0 0.0 0.00 | 0.00 |
| 2,900.0 0.00 0.00 2,900.0 0.0 0.0 0.00 | 0.00 |
| 3,000.0 0.00 0.00 3,000.0 0.0 0.0 0.00 | 0.00 |
| 3,100.0 0.00 3,100.0 0.0 0.0 0.0 0.00 | |
| 3,200.0 0.00 3,200.0 0.0 0.0 0.0 0.00 | |
| 3,300.0 0.00 0.00 3,300.0 0.0 0.0 0.00 | |
| 3,400.0 0.00 0.00 3,400.0 0.0 0.0 0.0 0.00 | |
| 3,500.0 0.00 0.00 3,500.0 0.0 0.0 0.00 | |
| 3,600.0 0.00 0.00 3,600.0 0.0 0.0 0.0 0.00 | 0.00 |
| 3,700.0 0.00 0.00 3,700.0 0.0 0.0 0.0 0.0 0.00 < | 0.00 |
| 3,800.0 0.00 0.00 3,800.0 < | 0.00 |
| 3,900.0 0.00 0.00 3,900.0 < | 0.00 |
| 4,000.0 0.00 0.00 4,000.0 0.0 0.0 0.00 | 0.00 |
| 4,100.0 0.00 0.00 4,100.0 0.0 0.0 0.00 | 0.00 |
| 4,100.0 0.00 0.00 4,100.0 0.0 0.0 0.00 | 0.00 |
| 4,200.0 0.00 4,200.0 0.0 <t< td=""><td>0.00</td></t<> | 0.00 |
| 4,300.0 0.00 4,300.0 0.0 0.0 0.0 0.0 0.00 0.00 0.00 | 0.00 |
| | 0.00 |
| | 0.00 |
| | |
| | 0.00 |
| | 0.00 |
| | 0.00 |
| | 0.00 |
| 4,900.0 0.00 0.00 4,900.0 0.0 0.0 0.0 0.00 0.00 0.00 | 0.00 |
| 5,000.0 0.00 0.00 5,000.0 0.0 0.0 0.0 0.00 0.0 | 0.00 |
| | 0.00 |
| | 0.00 |
| | 0.00 |



Planning Report



| Database: | EDM 5000.15 Single User Db | Local Co-ordinate Reference: | Site Section 13/14-17S-30E Stevens A |
|-----------|---------------------------------|------------------------------|--------------------------------------|
| Company: | Burnett Oil Co. | TVD Reference: | 3740+19 @ 3759.0usft |
| Project: | Eddy County, NM | MD Reference: | 3740+19 @ 3759.0usft |
| Site: | Section 13/14-17S-30E Stevens A | North Reference: | Grid |
| Well: | Stevens A 13F-14G 1H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | Plan #1 | | |

| Measu Dept (usf | th | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 5,4 | 400.0 | 0.00 | 0.00 | 5,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5.5 | 500.0 | 0.00 | 0.00 | 5,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | 548.6 | 0.00 | 0.00 | 5,548.6 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | 600.0 | 5.14 | 269.75 | 5,599.9 | 0.0 | -2.3 | 2.3 | 10.00 | 10.00 | 0.00 |
| | 700.0 | 15.14 | 269.75 | 5,698.2 | -0.1 | -19.9 | 19.9 | 10.00 | 10.00 | 0.00 |
| | 800.0 | 25.14 | 269.75 | 5,792.0 | -0.2 | -54.3 | 54.3 | 10.00 | 10.00 | 0.00 |
| 5,9 | 900.0 | 35.14 | 269.75 | 5,878.4 | -0.5 | -104.4 | 104.4 | 10.00 | 10.00 | 0.00 |
| 6,0 | 0.000 | 45.14 | 269.75 | 5,954.7 | -0.7 | -168.8 | 168.8 | 10.00 | 10.00 | 0.00 |
| 6,0 | 098.6 | 55.00 | 269.75 | 6,017.9 | -1.1 | -244.3 | 244.3 | 10.00 | 10.00 | 0.00 |
| 6, | 100.0 | 55.00 | 269.75 | 6,018.7 | -1.1 | -245.5 | 245.5 | 0.00 | 0.00 | 0.00 |
| 6,2 | 200.0 | 55.00 | 269.75 | 6,076.1 | -1.4 | -327.4 | 327.4 | 0.00 | 0.00 | 0.00 |
| 6,2 | 298.6 | 55.00 | 269.75 | 6,132.7 | -1.8 | -408.1 | 408.2 | 0.00 | 0.00 | 0.00 |
| 6,3 | 300.0 | 55.17 | 269.75 | 6,133.5 | -1.8 | -409.3 | 409.3 | 12.00 | 12.00 | 0.00 |
| 6,4 | 400.0 | 67.17 | 269.75 | 6,181.6 | -2.2 | -496.7 | 496.7 | 12.00 | 12.00 | 0.00 |
| 6,5 | 500.0 | 79.17 | 269.75 | 6,210.5 | -2.6 | -592.3 | 592.3 | 12.00 | 12.00 | 0.00 |
| | 507.4 | 80.05 | 269.75 | 6,211.8 | -2.6 | -599.5 | 599.5 | 12.00 | 12.00 | 0.00 |
| | Stevens / | | | | | | | | | |
| | 590.3 | 90.00 | 269.75 | 6,219.0 | -3.0 | -682.0 | 682.0 | 12.00 | 12.00 | 0.00 |
| 6,6 | 600.0 | 90.00 | 269.75 | 6,219.0 | -3.0 | -691.7 | 691.7 | 0.03 | 0.03 | 0.00 |
| 6, | 700.0 | 90.03 | 269.75 | 6,219.0 | -3.5 | -791.7 | 791.7 | 0.03 | 0.03 | 0.00 |
| 6,8 | 800.0 | 90.05 | 269.76 | 6,218.9 | -3.9 | -891.7 | 891.7 | 0.03 | 0.03 | 0.00 |
| 6,9 | 900.0 | 90.08 | 269.76 | 6,218.8 | -4.3 | -991.7 | 991.7 | 0.03 | 0.03 | 0.00 |
| 7,0 | 0.000 | 90.11 | 269.77 | 6,218.6 | -4.7 | -1,091.7 | 1,091.7 | 0.03 | 0.03 | 0.00 |
| 7,1 | 100.0 | 90.13 | 269.77 | 6,218.4 | -5.1 | -1,191.7 | 1,191.7 | 0.03 | 0.03 | 0.00 |
| 7,2 | 200.0 | 90.16 | 269.77 | 6,218.2 | -5.5 | -1,291.7 | 1,291.7 | 0.03 | 0.03 | 0.00 |
| 7,3 | 300.0 | 90.18 | 269.78 | 6,217.9 | -5.9 | -1,391.7 | 1,391.7 | 0.03 | 0.03 | 0.00 |
| 7,4 | 400.0 | 90.21 | 269.78 | 6,217.5 | -6.3 | -1,491.7 | 1,491.7 | 0.03 | 0.03 | 0.00 |
| 7,5 | 500.0 | 90.24 | 269.78 | 6,217.1 | -6.7 | -1,591.7 | 1,591.7 | 0.03 | 0.03 | 0.00 |
| 7,6 | 600.0 | 90.26 | 269.79 | 6,216.7 | -7.0 | -1,691.7 | 1,691.7 | 0.03 | 0.03 | 0.00 |
| 7,7 | 700.0 | 90.29 | 269.79 | 6,216.2 | -7.4 | -1,791.7 | 1,791.7 | 0.03 | 0.03 | 0.00 |
| 7,8 | 800.0 | 90.31 | 269.80 | 6,215.7 | -7.8 | -1,891.7 | 1,891.7 | 0.03 | 0.03 | 0.00 |
| 7,9 | 900.0 | 90.34 | 269.80 | 6,215.1 | -8.1 | -1,991.7 | 1,991.7 | 0.03 | 0.03 | 0.00 |
| 8,0 | 0.000 | 90.36 | 269.80 | 6,214.5 | -8.5 | -2,091.7 | 2,091.7 | 0.03 | 0.03 | 0.00 |
| 8, | 100.0 | 90.39 | 269.81 | 6,213.9 | -8.8 | -2,191.7 | 2,191.7 | 0.03 | 0.03 | 0.00 |
| 8,2 | 200.0 | 90.42 | 269.81 | 6,213.2 | -9.1 | -2,291.7 | 2,291.7 | 0.03 | 0.03 | 0.00 |
| | 300.0 | 90.44 | 269.82 | 6,212.4 | -9.5 | -2,391.7 | 2,391.7 | 0.03 | 0.03 | 0.00 |
| | 400.0 | 90.47 | 269.82 | 6,211.6 | -9.8 | -2,491.7 | 2,491.7 | 0.03 | 0.03 | 0.00 |
| 8,5 | 500.0 | 90.49 | 269.82 | 6,210.8 | -10.1 | -2,591.7 | 2,591.7 | 0.03 | 0.03 | 0.00 |
| | 600.0 | 90.52 | 269.83 | 6,209.9 | -10.4 | -2,691.7 | 2,691.7 | 0.03 | 0.03 | 0.00 |
| | 700.0 | 90.55 | 269.83 | 6,209.0 | -10.7 | -2,791.7 | 2,791.7 | 0.03 | 0.03 | 0.00 |
| | 800.0 | 90.57 | 269.83 | 6,208.0 | -11.0 | -2,891.7 | 2,891.7 | 0.03 | 0.03 | 0.00 |
| | 900.0 | 90.60 | 269.84 | 6,207.0 | -11.3 | -2,991.7 | 2,991.7 | 0.03 | 0.03 | 0.00 |
| 9.0 | 0.000 | 90.62 | 269.84 | 6,205.9 | -11.5 | -3,091.7 | 3,091.7 | 0.03 | 0.03 | 0.00 |
| | 100.0 | 90.65 | 269.85 | 6,204.8 | -11.8 | -3,191.7 | 3,191.7 | 0.03 | 0.03 | 0.00 |
| | 200.0 | 90.67 | 269.85 | 6,203.6 | -12.1 | -3,291.7 | 3,291.7 | 0.03 | 0.03 | 0.00 |
| | 248.0 | 90.69 | 269.85 | 6,203.1 | -12.2 | -3,339.7 | 3,339.7 | 0.03 | 0.03 | 0.00 |
| | 300.0 | 90.69 | 269.85 | 6,202.4 | -12.3 | -3,391.7 | 3,391.7 | 0.00 | 0.00 | 0.00 |
| 94 | 400.0 | 90.69 | 269.85 | 6,201.2 | -12.6 | -3,491.7 | 3,491.7 | 0.00 | 0.00 | 0.00 |
| | 500.0 | 90.69 | 269.85 | 6,200.0 | -12.9 | -3,591.6 | 3,591.7 | 0.00 | 0.00 | 0.00 |
| | 600.0 | 90.69 | 269.85 | 6,198.8 | -13.1 | -3,691.6 | 3,691.7 | 0.00 | 0.00 | 0.00 |
| | 700.0 | 90.69 | 269.85 | 6,197.6 | -13.4 | -3,791.6 | 3,791.7 | 0.00 | 0.00 | 0.00 |
| | 800.0 | 90.69 90.69 | 269.85 | 6,196.4 | -13.4 | -3,891.6 | 3,891.6 | 0.00 | 0.00 | 0.00 |
| | 900.0 | 90.69 90.69 | 269.85 | 6,195.2 | -13.0 | -3,891.0 | 3,991.6 | 0.00 | 0.00 | 0.00 |
| 9,5 | 300.0 | 90.09 | 209.00 | 0,190.2 | -13.9 | -3,991.0 | 3,331.0 | 0.00 | 0.00 | 0.00 |



Planning Report



| Database: | EDM 5000.15 Single User Db | Local Co-ordinate Reference: | Site Section 13/14-17S-30E Stevens A |
|-----------|---------------------------------|------------------------------|--------------------------------------|
| Company: | Burnett Oil Co. | TVD Reference: | 3740+19 @ 3759.0usft |
| Project: | Eddy County, NM | MD Reference: | 3740+19 @ 3759.0usft |
| Site: | Section 13/14-17S-30E Stevens A | North Reference: | Grid |
| Well: | Stevens A 13F-14G 1H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | Plan #1 | | |

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------------|--------------------|------------------|-----------------------------|-----------------|----------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 10,000.0 10,100.0 | 90.69 90.69 | 269.85 269.85 | 6,194.0 6.192.8 | -14.2 -14.4 | -4,091.6 -4,191.6 | 4,091.6 4,191.6 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 10,200.0 | 90.69 | 269.85 | 6,191.6 | -14.7 | -4,291.6 | 4,291.6 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.69 | 269.85 | 6,190.4 | -14.9 | -4,391.6 | 4,391.6 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.69 | 269.85 | 6,189.2 | -15.2 | -4,491.6 | 4,491.6 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.69 | 269.85 | 6,188.0 | -15.4 | -4,591.6 | 4,591.6 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.69 | 269.85 | 6,186.8 | -15.7 | -4,691.6 | 4,691.6 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.69 | 269.85 | 6,185.6 | -16.0 | -4,791.6 | 4,791.6 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.69 | 269.85 | 6,184.4 | -16.2 | -4,891.5 | 4,891.6 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 90.69 | 269.85 | 6,183.2 | -16.5 | -4,991.5 | 4,991.6 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 90.69 | 269.85 | 6,182.0 | -16.7 | -5,091.5 | 5,091.6 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 90.69 | 269.85 | 6,180.8 | -17.0 | -5,191.5 | 5,191.6 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 90.69 | 269.85 | 6,179.6 | -17.3 | -5,291.5 | 5,291.5 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 90.69 | 269.85 | 6,178.4 | -17.5 | -5,391.5 | 5,391.5 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.69 | 269.85 | 6,177.2 | -17.8 | -5,491.5 | 5,491.5 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.69 | 269.85 | 6,176.0 | -18.0 | -5,591.5 | 5,591.5 | 0.00 | 0.00 | 0.00 |
| 11,587.4 | 90.69 | 269.85 | 6,175.0 | -18.3 | -5,678.8 | 5,678.9 | 0.00 | 0.00 | 0.00 |
| PBHL Stever | ıs A | | | | | | | | |

Design Targets Target Name - hit/miss target Dip Dir. TVD +N/-S +E/-W Dip Angle Northing Easting - Shape (°) (°) (usft) (usft) (usft) (usft) (usft) Latitude Longitude PBHL Stevens A 0.00 0.00 6,175.0 -18.3 -5,678.8 668,138.46 620,274.97 32° 50' 10.269 N 103° 56' 30.296 W plan hits target center
Point FTP Stevens A 0.00 0.00 6,219.0 -1.6 -598.9 668,155.15 625,354.95 32° 50' 10.244 N 103° 55' 30.756 W - plan misses target center by 7.3usft at 6507.4usft MD (6211.8 TVD, -2.6 N, -599.5 E) - Point



Burnett Oil Co. Eddy County, NM Section 13/14-17S-30E Stevens A Stevens A 13F-14G 1H

Original Hole

Plan: Plan #1

Standard Planning Report - Geographic

03 June, 2019





Stryker Energy Directional Services Planning Report - Geographic



| Database: Company: Project: Site: Well: Wellbore: Design: | Burnett C Eddy Cou Section 1 | 0il Co. unty, NM 3/14-17S- A 13F-14G | le User Db 30E Steve 3 1H | | Local Co-ordinate Reference:Site Section 13/14-TVD Reference:3740+19 @ 3759.0MD Reference:3740+19 @ 3759.0North Reference:GridSurvey Calculation Method:Minimum Curvature | | | 759.0usft 759.0usft | 9.0usft | | |
|---|--|---|--|--|---|---|---------------------------------------|---|-------------------------------|---|--|
| Project | Eddy Cou | nty, NM | | | | | | | | | |
| | US State P NAD 1927 (New Mexico | NADCON | CONUS) | ution) | System D | atum: | M | lean Sea Leve | I | | |
| Site | Section 13 | 3/14-17S-3 | 30E Stever | is A | | | | | | | |
| Site Position: From: Position Uncertain | Мар ty: | 0.0 | Eas | rthing: sting: t Radius: | , | 156.72 usft 953.81 usft 13-3/16 " | Latitude: Longitude: Grid Conve | | 1 | 32° 50' 10.237 N 03° 55' 23.737 W 0.22 ° | |
| Well | Stevens A | 13F-14G | 1H | | | | | | | | |
| Well Position Position Uncertain | +N/-S +E/-W tv | 0. | 0 usft | Northing: Easting: Wellhead Ele | vation: | 668,156.72 625,953.81 19 0 | usft Lo | titude: ongitude: ound Level: | | 32° 50' 10.237 N 103° 55' 23.737 W 3,740.0 usft | |
| | - 5 | 0. | o don | | | 10.0 | | | | 0,7 10.0 401 | |
| Wellbore | Original H | lole | | | | | | | | | |
| Magnetics | Model | Name | Sam | ple Date | Declina (°) | | | Angle (°) | Field Str (nT | | |
| | IC | GRF2015 | | 06/03/19 | | 6.95 | | 60.54 | 48,057. | 97624831 | |
| Design | Plan #1 | | | | | | | | | | |
| Audit Notes: | | | | | | | | | | | |
| Version: | | | Ph | ase: | PROTOTYPE | Ti | e On Depth: | | 0.0 | | |
| Vertical Section: | | De | pth From (usft) | (TVD) | +N/-S (usft) | - | E/-W Isft) | Dir | ection (°) | | |
| | | | 0.0 | | 0.0 | • | 0.0 | 2 | 69.82 | | |
| | | | | | | | | | | | |
| Plan Survey Tool I Depth From | Depth To |) | 06/03/19 | | | | | | | | |
| (usft) | (usft) | - | (Wellbore | | Tool Name | | Remarks | | | | |
| 1 0.0 | 11,587 | .4 Plan #1 | (Original I | Hole) | MWD OWSG MW | D - Standard | | | | | |
| Plan Sections | | | | | | | | | | | |
| Measured | | | Vertical | | | Dogleg | Build | Turn Rate | TFO | | |
| Depth Inclin | | imuth (°) | Depth (usft) | +N/-S (usft) | +E/-W (usft) | Rate (°/100usft) | Rate (°/100usft) | (°/100usft) | (°) | Target | |
| Depth Inclin (usft) (0.0 | °) 0.00 | (°) 0.00 | Depth (usft) | (usft)) 0.0 | (usft) 0.0 | (°/ 100usft) 0.00 | (°/ 100usft) 0.00 | (°/100usft) | (°) 0.00 | Target | |
| Depth Inclin (usft) (0.0 5,548.6 | °) 0.00 0.00 | (°) 0.00 0.00 | Depth (usft) 0.0 5,548.6 | (usft) 0 0.0 6 0.0 | (usft) 0.0 0.0 | (°/100usft) 0.00 0.00 | (°/ 100usft) 0.00 0.00 | (°/100usft) 0 0.00 0 0.00 | (°) 0.00 0.00 | Target | |
| Depth Inclin (usft) (0.0 | °) 0.00 | (°) 0.00 | Depth (usft) | (usft) 0.0 3 0.0 9 -1.1 | (usft) 0.0 | (°/ 100usft) 0.00 | (°/ 100usft) 0.00 | (°/100usft) 0 0.00 0 0.00 114.50 | (°) 0.00 | Target | |
| Depth Inclin (usft) (0.0 5,548.6 6,098.6 | °) 0.00 0.00 55.00 | (°) 0.00 0.00 269.75 | Depth (usft) 0.0 5,548.0 6,017.9 | (usft) 0 0.0 6 0.0 9 -1.1 7 -1.8 0 -3.0 | (usft) 0.0 0.0 -244.3 | (°/100usft) 0.00 0.00 10.00 | (°/100usft) 0.00 0.00 10.00 | (°/100usft)) 0.00) 0.00) 114.50) 0.00) 0.00) 0.00 | (°) 0.00 0.00 -90.25 | Target | |



Planning Report - Geographic



| Database: | EDM 5000.15 Single User Db | Local Co-ordinate Reference: | Site Section 13/14-17S-30E Stevens A |
|-----------|---------------------------------|------------------------------|--------------------------------------|
| Company: | Burnett Oil Co. | TVD Reference: | 3740+19 @ 3759.0usft |
| Project: | Eddy County, NM | MD Reference: | 3740+19 @ 3759.0usft |
| Site: | Section 13/14-17S-30E Stevens A | North Reference: | Grid |
| Well: | Stevens A 13F-14G 1H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | - | |
| Design: | Plan #1 | | |

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|---------------------------|--------------------------|--------------------------------------|--|
| | | | . , | | | 669 456 70 | 625 052 94 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 0.0 100.0 | | 0.00 0.00 | 0.0 100.0 | 0.0 0.0 | 0.0 0.0 | 668,156.72 668,156.72 | 625,953.81 625,953.81 | 32° 50' 10.237 N 32° 50' 10.237 N | 103 55 23.737 W 103° 55' 23.737 W |
| 200.0 | | 0.00 | 200.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N 32° 50' 10.237 N | 103° 55' 23.737 W |
| 300.0 | | 0.00 | 300.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 400.0 | | 0.00 | 400.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 500.0 | | 0.00 | 500.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 600.0 | | 0.00 | 600.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 700.0 | | 0.00 | 700.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 800.0 | | 0.00 | 800.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 1,100.0 | | 0.00 | 1,100.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 1,200.0 | | 0.00 | 1,200.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 1,300.0 | | 0.00 | 1,300.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 1,400.0 | | 0.00 | 1,400.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 1,500.0 | | 0.00 | 1,500.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 1,600.0 | | 0.00 | 1,600.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 1,700.0 | | 0.00 | 1,700.0 1,800.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 625,953.81 | 32° 50' 10.237 N 32° 50' 10.237 N | 103° 55' 23.737 W |
| 1,800.0 1,900.0 | | 0.00 0.00 | 1,800.0 | 0.0 0.0 | 0.0 0.0 | 668,156.72 668,156.72 | 625,953.81 | 32° 50' 10.237 N 32° 50' 10.237 N | 103° 55' 23.737 W 103° 55' 23.737 W |
| 2,000.0 | | 0.00 | 2,000.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N 32° 50' 10.237 N | 103° 55' 23.737 W |
| 2,000.0 | | 0.00 | 2,000.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 2,200.0 | | 0.00 | 2,200.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 2,300.0 | | 0.00 | 2,300.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 2,400.0 | | 0.00 | 2,400.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 2,500.0 | | 0.00 | 2,500.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 2,600.0 | 0.00 | 0.00 | 2,600.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 2,700.0 | 0.00 | 0.00 | 2,700.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 2,800.0 | 0.00 | 0.00 | 2,800.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 2,900.0 | | 0.00 | 2,900.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 3,000.0 | | 0.00 | 3,000.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 3,100.0 | | 0.00 | 3,100.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 3,200.0 | | 0.00 | 3,200.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 3,300.0 | | 0.00 | 3,300.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 3,400.0 | | 0.00 | 3,400.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 3,500.0 | | 0.00 | 3,500.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 3,600.0 3,700.0 | | 0.00 0.00 | 3,600.0 3,700.0 | 0.0 0.0 | 0.0 0.0 | 668,156.72 668,156.72 | 625,953.81 625,953.81 | 32° 50' 10.237 N 32° 50' 10.237 N | 103° 55' 23.737 W 103° 55' 23.737 W |
| 3,800.0 | | 0.00 | 3,800.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N 32° 50' 10.237 N | 103° 55' 23.737 W |
| 3,900.0 | | 0.00 | 3,900.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,000.0 | | 0.00 | 4,000.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,100.0 | | 0.00 | 4,100.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,200.0 | | 0.00 | 4,200.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,300.0 | | 0.00 | 4,300.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,400.0 | | 0.00 | 4,400.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,500.0 | 0.00 | 0.00 | 4,500.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,600.0 | 0.00 | 0.00 | 4,600.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,700.0 | 0.00 | 0.00 | 4,700.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,800.0 | 0.00 | 0.00 | 4,800.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 4,900.0 | | 0.00 | 4,900.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 5,000.0 | | 0.00 | 5,000.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 5,100.0 | | 0.00 | 5,100.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 5,200.0 | | 0.00 | 5,200.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 5,300.0 | | 0.00 | 5,300.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |
| 5,400.0 | 0.00 | 0.00 | 5,400.0 | 0.0 | 0.0 | 668,156.72 | 625,953.81 | 32° 50' 10.237 N | 103° 55' 23.737 W |



Planning Report - Geographic



| Database: | EDM 5000.15 Single User Db | Local Co-ordinate Reference: | Site Section 13/14-17S-30E Stevens A |
|-----------|---------------------------------|------------------------------|--------------------------------------|
| Company: | Burnett Oil Co. | TVD Reference: | 3740+19 @ 3759.0usft |
| Project: | Eddy County, NM | MD Reference: | 3740+19 @ 3759.0usft |
| Site: | Section 13/14-17S-30E Stevens A | North Reference: | Grid |
| Well: | Stevens A 13F-14G 1H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | - | |
| Design: | Plan #1 | | |

| 55000 0.00 0.00 56846 0.00 668,166.72 625,658.81 32*50*10.237.N 103*52*23737 56846 0.00 568,1166.71 625,658.81 32*50*10.237.N 103*52*2376 5700.0 151.41 226.75 569.2 0.01 -2.3 668,156.47 625,698.51 32*50*10.237.N 103*55*23.970 5900.0 25.14 226.75 5,782.0 -0.2 -45.3 668,156.47 625,893.93 32*50*10.238 N 103*55*24.373 6,000.0 45.14 226.75 5,674.4 -0.5 -104.4 668,155.67 625,786.01 32*50*10.238 N 103*55*26.414 6,000.0 55.00 226.75 6,013.7 -1.1 -244.3 668,155.46 625,708.35 32*50*10.238 N 103*55*28.528 6,000.0 51.71 226.75 6,133.7 -1.8 -409.3 668,153.47 625,153 625,153 625,153 625,153 625,153 625,153 625,153 625,153 625,153 625,153 625,173 623,173 03* | Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
|--|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|---------------------------|--------------------------|------------------|-------------------|
| 5,548.6 0.00 0.00 5,548.6 0.00 0.00 668,156.71 625,551.51 32' 50' 10.23' N 100''s 52' 3.73' N 5,700.0 15.14 229,75 5,790.20 -0.2 -43.3 668,156.49 625,633.93 32''s 0' 10.23' N 100''s 52' 3.73' N 5,800.0 35.14 229,75 5,780.0 -0.2 -44.3 668,156.27 625,648.39 32''s 0' 10.23' N 100''s 52' 24,95' N 6,000.0 35.14 229,75 5,878.4 -0.5 -104.4 668,155.99 625,708.49 32''s 0' 10.23' N 100''s 52' 24,96' N 6,000.4 56.00 269,75 6,017.6 -1.1 -244.5 668,155.40 625,626.43 32''s 0' 10.23' N 100''s 52' 26.60 N 6,200.0 56.00 269,75 6,076.1 -1.4 -327'A 168,4164.14 625,64.460 32''s 0' 10.23' N 100''s 52' 25.64' N 6,400.0 56.17 26.175 6,181.6 -2.2 -5.995 66,154.44 625,64.60 32''s 0' 10.23' N 100''s 52' 25.54' N 6,400.0 269,75 6,210.6 -2.6 -5.92''s 0.61''S 1.11''s 6.53''s 6.55''s 6.55''s | 5 500 0 | | | 5 500 0 | 0.0 | 0.0 | 668 156 72 | 625 053 81 | 32° 50' 10 237 N | |
| 5,000.0 5.14 269.75 5,599.9 0.0 -2.3 668,156.47 625,933.93 32" 50" 10.237 N 103" 55" 23.764 W 5,000.0 25.14 269.75 5,782.0 -0.2 -54.3 668,156.27 625,893.93 32" 50" 10.237 N 103" 55" 24.373 W 5,000.0 35.14 269.75 5,787.4 -0.5 -104.4 668,156.27 625,893.93 32" 50" 10.238 N 103" 55" 24.371 W 6,008.0 55.00 269.75 6,018.7 -1.1 -244.5 668,155.00 625,709.49 32" 50" 10.238 N 103" 55" 24.851 W 6,200.0 55.10 269.75 6,018.7 -1.1 -244.5 668,155.30 625,709.49 32" 50" 10.238 N 103" 55" 24.854 W 6,300.0 56.17 269.75 6,131.5 -1.8 -409.3 668,154.49 625,644.52 25" 50" 10.238 N 103" 55" 24.854 W 6,300.0 59.75 6,118.1 -2.2 -496.7 668,154.41 625,544.52 25" 50" 10.238 N 103" 55" 34.559 W 6,500.0 79.77 | | | | | | | , | | | |
| 5,700.0 15.14 269.75 5,520.0 -25.43 668.156.46 625.899.64 32° 50° 10.237 N 103° 55° 24.379 V 5,500.0 35.14 269.75 5,572.4 -0.5 -104.4 668.156.96 625.899.64 32° 50° 10.236 N 103° 55° 24.379 V 6,000.0 45.14 269.75 5,574.7 -0.7 -1168.8 668.155.66 625.708.33 32° 50° 10.236 N 103° 55° 25.761.4V 6,000.0 55.00 269.75 6.017.9 -1.1 -244.3 668.155.66 625.708.33 32° 50° 10.236 N 103° 55° 28.571 W 6,200.0 55.00 269.75 6.132.7 -1.8 -409.3 668.154.44 625.646.63 32° 50° 10.235 N 103° 55° 28.534 W 6,300.0 57.17 269.75 6.118.16 -2.2 -496.7 668.154.44 625.457.60 123.5 N 103° 55° 31.670 W 6,500.0 79.17 269.75 6.211.0 -3.0 -6812.0 622.457.07 32° 50° 10.233 N 103° 55° 31.730 W 6,500.0 90.00 269.76 < | | | | | | | , | , | | |
| 5,000 25,14 269,75 5,782.0 -0.2 -54.3 668,166.27 625,849.39 32° 50° 10.236 N 103° 55° 24,873 W 6,000.0 45.14 269,75 5,784 -0.5 -1044 668,156.27 625,785.01 32° 50° 10.236 N 103° 55° 25,715 W 6,008.0 55.00 269,75 6,017.9 -1.1 -244.3 668,155.66 625,709.49 32° 50° 10.236 N 103° 55° 25,757.4W 6,200.0 55.00 269,75 6,016.7 -1.4 -327.4 668,155.30 625,626.43 32° 50° 10.236 N 103° 55° 28,534 W 6,300.0 65.17 269,75 6,171.5 -2.6 -599.5 668,154.44 625,544.56 32° 50° 10.234 N 103° 55° 30,679 W 6,500.7 480.06 269,75 6,211.8 -2.6 -599.5 668,154.14 625,361.53 32° 50° 10.234 N 103° 55° 31,674 W 6,500.0 00.00 269,75 6,211.0 -3.0 -681.53.7 622,212.00 32° 50° 10.234 N 103° 55° 31,615 M 6,500.0 00.00 | | | | | | | , | | | |
| 5,000.0 35.14 269.75 5,574.7 -0.7 -168.8 668.155.99 625.765.01 32° 50° 10.236 h 103° 55° 24.616 W 6.009.6 55.00 269.75 6.017.9 -1.1 -244.3 668.155.66 625.708.3 32° 50° 10.236 h 103° 55° 28.614 W 6.200.0 55.00 269.75 6.017.1 -1.4 -327.4 668.156.30 625.645.66 32° 50° 10.236 h 103° 55° 28.614 W 6.200.0 55.00 269.75 6.132.5 -1.8 -409.3 666.154.04 625.645.66 32° 50° 10.235 h 103° 55° 28.534 W 6.400.0 57.17 269.75 6.131.6 -2.2 -496.7 668.154.14 625.844.30 32° 50° 10.234 h 103° 55° 31.730 W 6.500.0 79.17 269.75 6.210.5 -2.6 -599.2 668.154.14 622.844.30 32° 50° 10.233 h 103° 55° 31.730 W 6.500.0 90.00 269.75 6.219.0 -3.0 -681.243 625.162.07 32° 50° 10.233 h 103° 55° 31.730 W 6.500.0 90.00 | | | | | | | | | | |
| 6,000.0 45.14 2607.5 5,094.7 -0.7 -1.68.8 668,155.60 622,763.0 32" 50" 10.238 N 103" 55" 26.614W 6,000.0 55.00 2607.5 6,018.7 -1.1 -244.3 668,155.66 625,708.49 32" 50" 10.238 N 103" 55" 26.614W 6,200.0 55.00 2607.5 6,016.7 -1.4 -327.4 668,154.49 622,622.64 32" 50" 10.238 N 103" 55" 27.574 W 6,300.0 55.17 2607.5 6,132.7 -1.8 -409.1 668,154.49 622,562.64 32" 50" 10.238 N 103" 55" 27.575 W 6,500.0 761.7 2607.5 6,131.5 -1.8 -409.1 668,154.14 625,364.30 32" 50" 10.234 N 103" 55" 30.764 W 6,500.0 79.17 2607.5 6,211.8 -2.6 -599.5 668,154.14 625,364.30 32" 50" 10.233 N 103" 55" 30.764 W 6,500.0 90.00 2207.6 6,210.0 -3.0 -688.10 625,362.07 2" 50" 10.233 N 103" 55" 33.075 W 6,000.0 90.00 | | | | | | | | | | |
| 6.098.6 55.00 2697.5 6.017.9 -1.1 -244.3 668.155.66 625.708.35 32° 50° 10.238 N 103° 55° 26.60 V 6.100.0 55.00 2697.5 6.076.1 -1.4 -327.4 668.155.60 625.768.43 32° 50° 10.238 N 103° 55° 28.54 V 6.300.0 65.17 2697.5 6.133.5 -1.8 -40081 668.154.94 625.645.66 32° 50° 10.238 N 103° 55° 28.53 W 6.400.0 67.17 2697.5 6.210.6 -2.6 -509.2 668.154.64 625.645.03 32° 50° 10.234 N 103° 55° 28.53 W 6.400.0 70.17 2269.75 6.210.6 -2.6 -509.5 668.154.14 625.354.30 32° 50° 10.234 N 103° 55° 31.730 W 6.500.0 90.00 289.75 6.219.0 -3.0 -688.10 668.153.75 625.271.80 32° 50° 10.233 N 103° 55° 31.730 W 6.600.0 90.00 289.75 6.219.0 -3.0 -688.12 625.271.80 32° 50° 10.233 N 103° 55° 31.730 W 6.600.0 90.00 | | | | | | | | - | | |
| 6,100.0 55.00 2607.5 6.018.7 -1.1 -245.5 6681.55.65 625.763.4 327.5 75.74.W 6,298.6 55.00 2607.5 6.132.7 -1.8 -409.1 6681.154.94 625.564.65 32°.50°1.02.35 N 103°.55°.27.57.4 6,300.0 65.17 2267.5 6.131.6 -2.2 -408.7 6681.154.94 625.546.6 32°.50°1.02.33 N 103°.55°.28.52.W 6,500.0 70.17 2267.5 6.211.8 -2.6 -592.3 6681.154.14 625.364.30 32°.50°1.02.34 N 103°.55°.30.764 W FTP Stewns A 6.500.0 90.00 269.75 6.219.0 -3.0 -682.15 625.271.80 32°.50°1.02.33 N 103°.55°3.17.30 W 6,600.0 90.00 269.75 6.219.0 -3.0 -681.17.57 625.271.80 32°.50°1.02.33 N 103°.55°3.31.07 W 6,600.0 90.00 269.76 6.218.8 -4.3 -991.7 668.152.47 625.162.20 32°.50°1.02.33 N 103°.55°3.301 W 6,600.0 90.00 269.76 | | | | | | | | , | | |
| 6,200.0 55.00 269.75 6,076.1 -1.4 -327.4 668.155.30 625.846.6 32* 50* 10.235 N 103* 55* 27.574 W 6,200.0 55.17 269.75 6,133.5 -1.8 -409.3 668.154.94 625.545.66 32* 50* 10.235 N 103* 55* 228.534 W 6,400.0 67.17 269.75 6,210.5 -2.6 -599.5 668.154.14 625.5457.07 32* 50* 10.234 N 103* 55* 30.679 W 6,507.4 80.05 269.75 6,211.8 -2.6 -599.5 668.153.75 625.271.80 32* 50* 10.234 N 103* 55* 31.070 W 6,500.3 90.00 269.75 6,210.0 -3.0 -681.71 625.262.07 32* 50* 10.233 N 103* 55* 31.072 W 6,600.0 90.01 269.75 6,218.0 -3.0 -681.53.71 625.262.07 32* 50* 10.233 N 103* 55* 31.074 W 6,600.0 90.01 269.75 6,218.0 -3.0 -681.15.27 625.612.07 32* 50* 10.232 N 103* 55* 33.017 W 6,600.0 90.01 269.75 6,218.0 | | | | | | | | | | |
| 6,298.6 55.00 269.75 6,132.7 -1.8 -400.1 668.154.94 262.544.52 22° 50° 10.235 N 103° 55° 28.53 W 6,400.0 67.17 269.75 6,181.6 -22 -496.7 668.154.56 625.544.52 02° 50° 10.234 N 103° 55° 29.559 W 6,507.4 80.05 269.75 6,211.8 -2.6 -599.5 668.154.11 625.361.53 32° 50° 10.234 N 103° 55° 30.764 W FTP Storens A - - - 669.17 668.153.75 625.271.80 32° 50° 10.233 N 103° 55° 31.730 W 6,600.0 90.00 269.75 6.219.0 -3.0 -681.7 768.153.271 625.162.07 32° 50° 10.233 N 103° 55° 31.730 W 6,600.0 90.00 269.76 6.218.0 -3.0 -681.72.87 625.120.7 32° 50° 10.233 N 103° 55° 3.61 W 6,000.0 90.08 269.76 6.218.8 -4.3 -991.7 668.152.48 624.962.07 32° 50° 10.232 N 103° 55° 3.53 HW 7,000.0 90.18 269.77 6. | | | | , | | | | | | |
| 6,300.0 55.17 269.75 6,133.5 -1.8 -409.3 6661,154.94 225 60 10.235 N 103 *55 28.534 W 6,500.0 671.7 269.75 6,210.5 -2.6 -592.3 6681,154.14 625,354.30 32* 60* 10.234 N 103* 55* 30.679 W 6,507.4 80.05 269.75 6,210.8 -2.6 -599.5 6681,154.11 625,354.30 32* 50* 10.234 N 103* 55* 30.679 W 6,500.3 90.00 269.75 6,210.0 -3.0 -681.7 6681,153.75 625,271.80 32* 50* 10.233 N 103* 55* 31.730 W 6,600.0 90.00 269.75 6,210.0 -3.0 -681.70 6681,152.47 625,262.07 32* 50* 10.233 N 103* 55* 33.017 W 6,800.0 90.08 269.76 6,218.8 -4.3 -991.7 6681,152.43 624,862.08 32* 50* 10.232 N 103* 55* 33.017 W 7,000.0 90.13 269.77 6,218.8 -4.3 -991.7 6681,152.43 624,862.08 32* 50* 10.232 N 103* 55* 33.017 W 7,000.0 90.13 | | | | | | | | , | | |
| 6,400.0 67,17 269,75 6,181.6 -2.2 -496,7 668,154.6 625,361.3 32° 50° 10.234 N 103° 55° 28.59 W 6,507.4 80.05 269,75 6,211.8 -2.6 -599.5 668,154.14 625,361.33 32° 50° 10.234 N 103° 55° 30.764 W FTP Stovens A 66,500.0 90.00 269,75 6,219.0 -3.0 -681,7 668,153.75 625,271.80 32° 50° 10.233 N 103° 55° 31.730 W 6,700.0 90.03 269,75 6,219.0 -3.0 -681,7 668,153.75 625,271.80 32° 50° 10.233 N 103° 55° 31.730 W 6,700.0 90.05 269,76 6,218.9 -3.9 -891,7 668,152.57 625,162.07 32° 50° 10.233 N 103° 55° 35.361 W 7,000.0 90.11 269,77 6,218.4 -4.7 -1,091.7 668,151.21 624,622.08 32° 50° 10.232 N 103° 55° 36.70 W 7,000.0 90.18 269,77 6,218.4 -5.1 -1,91.7 668,151.21 624,622.08 32° 50° 10.232 N 103° 55° 43.657 W | | | | | | | , | | | |
| 6,500.0 79.17 269.75 6,211.8 -2.6 -592.3 668.154.14 625,361.53 32* 50*10.234 N 103* 55*30.769 W 6,500.3 90.00 269.75 6,219.0 -3.0 -682.0 668.153.11 625,354.30 32* 50*10.234 N 103* 55*31.70 W 6,600.0 90.00 269.75 6,219.0 -3.0 -681.75 625,2271.80 32* 50*10.233 N 103* 55*31.84 W 6,600.0 90.05 269.75 6,218.9 -3.9 -881.7 668.152.7 625,052.07 32* 50*10.233 N 103* 55*34.189 W 6,800.0 90.08 269.76 6,218.8 -4.3 -991.7 668.152.2 624.862.0 32* 50*10.232 N 103* 55*36.53 W 7,100.0 90.13 269.77 6,218.4 -5.1 -1.9117 668.150.41 624.862.08 32* 50*10.232 N 103* 55*38.67 W 7,300.0 90.18 269.78 6,217.5 -5.3 1.4917 668.150.42 624.862.08 32* 50*10.232 N 103* 55*41.22 W 7,400.0 90.24 269.78 | | | | | | | | | | |
| 6,507.4 80.05 289.75 6,211.8 -2.6 -599.5 668,154.11 622,354.30 32° 50° 10.234 N 103° 55° 30.764 W FTP Stowns A 5,590.3 90.00 269.75 6,219.0 -3.0 -682.0 668,153.75 622,262.07 32° 50° 10.233 N 103° 55° 31.730 W 6,600.0 90.00 269.75 6,219.0 -3.0 -681.7 668,153.75 622,722.07 32° 50° 10.233 N 103° 55° 31.84 W 6,600.0 90.05 289.76 6,218.9 -3.9 -891.7 668,152.43 622,462.07 32° 50° 10.233 N 103° 55° 33.61 W 6,900.0 90.11 269.77 6,218.4 -4.3 -991.7 668,152.43 624,462.08 32° 50° 10.232 N 103° 55° 33.61 W 7,000.0 90.11 269.77 6,218.2 -5.5 -1,291.7 668,150.42 624,462.08 32° 50° 10.232 N 103° 55° 43.63 W 7,000.0 90.24 269.78 6,217.5 -6.3 -1,491.7 668,150.44 624,462.08 32° 50° 10.232 N 103° 55° 41.239 N < | | | | | | | | | | |
| FTP Stevens A 6590.3 90.00 269.75 6,219.0 -3.0 -682.0 668,153.75 622,71.80 32° 50° 10.233 N 103° 55° 31.730 W 6,600.0 90.00 269.75 6,219.0 -3.5 -791.7 668,153.71 622,620.07 32° 50° 10.233 N 103° 55° 33.017 W 6,800.0 90.05 269.76 6,218.8 -4.3 -991.7 668,152.45 622,620.07 32° 50° 10.233 N 103° 55° 33.817 W 7,000.0 90.11 269.76 6,218.8 -4.3 -991.7 668,152.43 624,962.07 32° 50° 10.232 N 103° 55° 33.817 W 7,000.0 90.11 269.77 6,218.4 -5.1 -1,917 668,151.21 624,62.08 32° 50° 10.232 N 103° 55° 33.867 W 7,300.0 90.18 269.76 6,217.5 -5.9 -1,391.7 668,150.42 624,62.08 32° 50° 10.232 N 103° 55° 43.867 W 7,300.0 90.24 269.78 6,217.1 -6.3 -1,491.7 668,150.46 624,462.08 32° 50° 10.232 N 103° 55° 43.865 W | | | | | | | | | | |
| 6,500.390.00269,756,219.0-3.0-682.0668,153.75622,271.80 32° 50' 10.233 N103° 55' 31.730 W6,600.090.03269,756,219.0-3.5-791.7668,153.27625,162.07 32° 50' 10.233 N103° 55' 33.017 W6,800.090.05269,766,218.9-3.9-881.7668,152.43622,162.07 32° 50' 10.233 N103° 55' 33.017 W6,900.090.05269,766,218.8-4.3-981.7668,152.43622,462.07 32° 50' 10.232 N103° 55' 33.61 W7,000.090.11269,776,218.6-4.7-1.091.7668,151.21624,862.08 32° 50' 10.232 N103° 55' 33.730 W7,200.090.16269,776,218.2-5.5-1.291.7668,151.21624,662.08 32° 50' 10.232 N103° 55' 33.750 W7,300.090.18269,786,217.5-6.3-1.491.7668,150.42624,662.08 32° 50' 10.232 N103° 55' 43.264 W7,600.090.24269,786,216.7-7.0-1.691.7668,150.46624,462.08 32° 50' 10.232 N103° 55' 43.264 W7,700.090.29269,796,216.7-7.8-1.891.7668,149.26624,462.08 32° 50' 10.232 N103° 55' 43.264 W7,700.090.24269,796,216.7-7.8-1.891.7668,149.26623,462.09 32° 50' 10.232 N103° 55' 41.23 W7,800.090.342698.866,215.1-8.1-1.91.71668,149 | - | | 200.10 | 0,211.0 | -2.0 | -000.0 | 000,104.11 | 020,004.00 | 52 50 10.204 N | 100 00 00.704 W |
| | | | 269 75 | 6 219 0 | -3.0 | -682.0 | 668 153 75 | 625 271 80 | 32° 50' 10 233 N | 103° 55' 31 730 W |
| 6,700.0 90.03 269.75 6,218.0 -3.5 -791.7 668,152.45 625,062.07 32° 50° 10.233 N 103° 55° 33.017 W 6,800.0 90.05 269.76 6,218.8 -4.3 -991.7 668,152.43 624,962.07 32° 50° 10.233 N 103° 55° 35.361 W 7,000.0 90.11 269.77 6,218.6 -4.7 -1.091.7 668,151.61 624,462.08 32° 50° 10.232 N 103° 55° 35.361 W 7,000.0 90.16 269.77 6,218.4 -5.1 -1.191.7 668,150.42 624,62.08 32° 50° 10.232 N 103° 55° 37.05 W 7,200.0 90.16 269.77 6,217.5 -6.3 -1,491.7 668,150.44 624,462.08 32° 50° 10.232 N 103° 55° 41.221 W 7,500.0 90.24 269.78 6,217.1 -6.7 -1,591.7 668,150.44 624,462.08 32° 50° 10.232 N 103° 55° 44.238 W 7,600.0 90.24 269.79 6,216.7 -7.0 -1,691.7 668,149.86 624,462.08 32° 50° 10.232 N 103° 55° 44.739 W 7,600. | | | | | | | | | | |
| 6.800.0 90.05 269.76 6.218.8 4.3 -991.7 668.152.43 622.962.07 32° 50° 10.233 N 103° 55° 34.199 W 7.000.0 90.11 269.77 6.218.4 -5.1 -1.091.7 668.152.02 624.862.08 32° 50° 10.232 N 103° 55° 36.53 W 7.100.0 90.13 269.77 6.218.4 -5.1 -1.191.7 668.151.21 624.862.08 32° 50° 10.232 N 103° 55° 38.87 W 7.200.0 90.16 269.77 6.217.5 -6.3 -1.491.7 668.150.82 624.562.08 32° 50° 10.232 N 103° 55° 42.393 W 7.600.0 90.24 269.78 6.217.5 -6.3 -1.491.7 668.150.82 624.462.08 32° 50° 10.232 N 103° 55° 42.393 W 7.600.0 90.24 269.78 6.216.7 -7.0 -1.691.7 668.149.32 624.162.08 32° 50° 10.232 N 103° 55° 44.253 W 7.600.0 90.24 269.79 6.216.7 -7.8 -1.891.7 668.148.96 624.262.08 32° 50° 10.232 N 103° 55° 42.393 W 7.600.0 90.34 269.80 6.215.7 -7.8 -1.891.7 668. | | | | | | | , | , | | |
| 6,900.0 90.08 269.76 6,218.8 -4.3 -991.7 668,152.02 624,862.07 32° 50° 10.232 N 103° 55° 35.36 H 7,000.0 90.11 269.77 6,218.6 -4.7 -1.091.7 668,151.61 624,762.08 32° 50° 10.232 N 103° 55° 36.533 W 7,200.0 90.18 269.77 6,218.2 -5.5 -1.291.7 668,151.21 624,652.08 32° 50° 10.232 N 103° 55° 38.877 W 7,400.0 90.21 269.78 6,217.5 -6.3 -1.491.7 668,150.06 624,452.08 32° 50° 10.232 N 103° 55° 42.393 W 7,500.0 90.24 269.78 6,217.1 -6.7 -1.591.7 668,149.68 624,452.08 32° 50° 10.232 N 103° 55° 44.398 W 7,600.0 90.24 269.79 6,216.2 -7.4 -1,791.7 668,149.86 624,452.08 32° 50° 10.232 N 103° 55° 44.398 W 7,600.0 90.34 269.80 6,215.1 -8.1 -1.991.7 668,148.26 623,862.09 32° 50° 10.232 N 103° 55° 45.909 W 7,9 | | | | | | | , | , | | |
| 7,000.0 90.11 269.77 6,218.6 -4.7 -1,091.7 668.152.02 624.62.08 32° 50° 10.232 N 103° 55° 38.533 W 7,100.0 90.16 269.77 6,218.4 -5.5 -1,291.7 668.151.21 624.62.08 32° 50° 10.232 N 103° 55° 38.877 W 7,300.0 90.18 269.78 6,217.9 -5.9 -1,391.7 668.150.82 624.62.08 32° 50° 10.232 N 103° 55° 40.049 W 7,400.0 90.24 269.78 6,217.1 -6.7 -1,591.7 668.150.04 624.462.08 32° 50° 10.232 N 103° 55° 43.263 W 7,600.0 90.24 269.79 6,216.7 -7.0 -1,691.7 668.149.62 624.162.08 32° 50° 10.232 N 103° 55′ 43.265 W 7,600.0 90.34 269.80 6,215.7 -7.8 -1,891.7 668.148.96 624.162.08 32° 50° 10.232 N 103° 55′ 44.263 W 7,000.0 90.34 269.80 6,214.5 -8.5 -2,091.7 668.148.96 623.62.09 32° 50° 10.233 N 103° 55′ 44.253 W 8,100.0 90.34 269.80 6,214.5 -8.5 -2,091.7 668 | , | | | | | | | | | |
| 7,100.0 90.13 269.77 6,218.4 -5.1 -1,191.7 668,151.61 624,62.08 32° 50° 10.232 N 103° 55° 37.705 W 7,200.0 90.16 2269.77 6,218.2 -5.5 -1,291.7 668,151.21 624,62.08 32° 50° 10.232 N 103° 55° 38.877 W 7,400.0 90.21 2269.78 6,217.5 -6.3 -1,491.7 668,150.44 624,462.08 32° 50° 10.232 N 103° 55° 43.238 W 7,600.0 90.24 269.78 6,217.1 -6.7 -7.0 -1,681.7 668,150.06 624,362.08 32° 50° 10.232 N 103° 55° 43.256 W 7,700.0 90.22 269.79 6,216.7 -7.0 -1,681.7 668,149.68 624,62.08 32° 50° 10.232 N 103° 55° 43.256 W 7,800.0 90.31 269.80 6,215.1 -8.1 -1,991.7 668,148.61 623,62.09 32° 50° 10.232 N 103° 55° 43.268 W 7,000.0 90.34 269.80 6,214.5 -8.5 -2,091.7 668,147.92 623,62.10 32° 50° 10.232 N 103° 55° 44.25 W 8,000.0 90.42 269.81 6,213.2 -9.1 -2,291. | | | | | | | | ' | | |
| 7,200.0 90.16 269.77 6,218.2 -5.5 -1,291.7 668,150.82 624,622.08 32° 50° 10.232 N 103° 55° 38.877 W 7,300.0 90.21 269.78 6,217.5 -6.3 -1,491.7 668,150.82 624,622.08 32° 50° 10.232 N 103° 55° 40.049 W 7,500.0 90.24 269.78 6,217.1 -6.7 -1,591.7 668,150.06 624,462.08 32° 50° 10.232 N 103° 55° 42.393 W 7,600.0 90.26 269.79 6,216.7 -7.0 -1,691.7 668,149.32 624,162.08 32° 50° 10.232 N 103° 55° 44,737 W 7,800.0 90.31 269.80 6,215.7 -7.8 -1,891.7 668,148.96 624,062.09 32° 50° 10.232 N 103° 55° 44,737 W 7,800.0 90.34 269.80 6,214.5 -8.5 -2,091.7 668,148.26 623,862.09 32° 50° 10.232 N 103° 55° 44,737 W 8,100.0 90.39 269.81 6,213.2 -9.1 -2,291.7 668,147.92 623,662.10 32° 50° 10.234 N 103° 55° 55.597 W 8,200.0 90.44 269.82 6,211.6 -9.8 -2,491.7 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>,</td><td>,</td><td></td><td></td></td<> | | | | | | | , | , | | |
| 7,300.0 90.18 269.78 6,217.9 -5.9 -1,391.7 668,150.42 624,562.08 32° 50' 10.232 N 103° 55' 41.221 W 7,400.0 90.24 269.78 6,217.5 -6.3 -1,491.7 668,150.44 624,362.08 32° 50' 10.232 N 103° 55' 41.221 W 7,600.0 90.24 269.79 6,216.7 -7.0 -1,691.7 668,149.68 624,362.08 32° 50' 10.232 N 103° 55' 43,239 W 7,600.0 90.29 269.79 6,216.7 -7.8 -1,891.7 668,149.68 624,062.08 32° 50' 10.232 N 103° 55' 43,565 W 7,700.0 90.31 269.80 6,215.7 -7.8 -1,991.7 668,148.61 623,962.09 32° 50' 10.232 N 103° 55' 47.251 W 8,000.0 90.34 269.80 6,211.5 -8.8 -2,191.7 668,148.26 623,662.09 32° 50' 10.234 N 103° 55' 49.425 W 8,000.0 90.42 269.81 6,213.2 -9.1 -2,291.7 668,147.59 623,662.10 32° 50' 10.234 N 103° 55' 49.425 W 8,000.0 90.42 269.82 6,211.6 -9.8 -2,491.7 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | | | | |
| 7,400.090.21269.786,217.5-6.3-1,491.7668,150.46624,462.0832° 50° 10.232 N103° 55° 41.221 W7,500.090.24269.786,216.7-7.0-1,691.7668,140.68624,362.0832° 50° 10.232 N103° 55° 43.565 W7,700.090.29269.796,216.2-7.4-1,791.7668,149.32624,162.0832° 50° 10.232 N103° 55° 43.565 W7,800.090.31269.806,215.1-8.1-1,991.7668,148.61623,062.0932° 50° 10.232 N103° 55° 43.565 W8,000.090.36269.806,215.1-8.5-2,091.7668,148.61623,862.0932° 50° 10.232 N103° 55° 44.253 W8,100.090.38269.816,213.2-9.1-2,291.7668,147.59623,662.1032° 50° 10.233 N103° 55° 51.569 W8,200.090.44269.826,212.4-9.5-2,391.7668,147.59623,662.1032° 50° 10.234 N103° 55° 55.059 W8,300.090.44269.826,210.8-10.1-2,591.7668,146.33623,262.1132° 50° 10.235 N103° 55° 55.1769 W8,400.090.47269.826,210.8-10.1-2,591.7668,146.33623,262.1132° 50° 10.236 N103° 55° 55.285 W8,700.090.52269.836,209.9-10.4-2,691.7668,146.53623,462.1032° 50° 10.236 N103° 55° 55.285 W8,700.090.52269.836,209.9-10.4-2,691.7668,146.53623,62.1132° 50 | | | | | | | , | | | |
| 7,500.090.24269.786,217.1-6.7-1,591.7668,150.06624,362.08 32° 50' 10.232 N103° 55' 43.233 W7,600.090.29269.796,216.2-7.4-1,791.7668,149.32624,162.08 32° 50' 10.232 N103° 55' 43.256 W7,800.090.31269.806,215.7-7.8-1,891.7668,149.32624,062.09 32° 50' 10.232 N103° 55' 45.309 W7,900.090.34269.806,215.1-8.1-1,991.7668,148.26623,862.09 32° 50' 10.233 N103° 55' 47.081 W8,000.090.39269.816,214.5-8.5-2,091.7668,147.59623,662.10 32° 50' 10.233 N103° 55' 47.081 W8,200.090.42269.816,212.4-9.1-2,291.7668,147.29623,762.10 32° 50' 10.234 N103° 55' 55.597 W8,300.090.44269.826,211.6-9.8-2,491.7668,146.35623,462.10 32° 50' 10.235 N103° 55' 55.294 W8,500.090.52269.836,209.9-10.4-2,591.7668,146.35623,462.10 32° 50' 10.235 N103° 55' 55.294 W8,500.090.52269.836,209.9-10.4-2,591.7668,146.35623,62.11 32° 50' 10.235 N103° 55' 55.294 W8,500.090.52269.836,209.9-10.4-2,691.7668,146.35623,62.11 32° 50' 10.236 N103° 55' 55.252 W8,500.090.52269.836,209.9-10.4-2,691.7 | , | | | | | | | | | |
| 7,600.090.26269.796,216.7-7.0-1,691.7668,149.68624,262.08 32° 50' 10.232 N103° 55' 43.565 W7,700.090.29269.796,216.2-7.4-1,791.7668,149.32624,162.08 32° 50' 10.232 N103° 55' 43.565 W7,800.090.34269.806,215.1-7.8-1,891.7668,148.61623,962.09 32° 50' 10.232 N103° 55' 47.081 W8,000.090.36269.806,214.5-8.5-2,091.7668,148.26623,662.09 32° 50' 10.233 N103° 55' 44.253 W8,100.090.39269.816,213.2-9.1-2,291.7668,147.59623,662.10 32° 50' 10.234 N103° 55' 50.597 W8,300.090.42269.816,212.4-9.5-2,391.7668,146.55623,662.10 32° 50' 10.235 N103° 55' 55.597 W8,300.090.44269.826,211.6-9.8-2,491.7668,146.55623,662.10 32° 50' 10.235 N103° 55' 52.597 W8,500.090.49269.826,210.8-10.1-2,591.7668,146.35623,362.11 32° 50' 10.235 N103° 55' 55.285 W8,700.090.57269.836,209.0-10.7-2,791.7668,146.33623,262.11 32° 50' 10.236 N103° 55' 55.285 W8,700.090.65269.846,205.9-11.0-2,691.7668,145.74623,662.12 32° 50' 10.238 N103° 55' 55.285 W8,700.090.65269.846,205.9-11.5-3,091.7 <td></td> | | | | | | | | | | |
| 7,700.0 90.29 269.79 6,216.2 -7.4 -1,791.7 668,149.32 624,162.08 32° 50' 10.232 N 103° 55' 44.737 W 7,800.0 90.31 269.80 6,215.7 -7.8 -1,891.7 668,148.96 624,062.09 32° 50' 10.232 N 103° 55' 45.909 W 8,000.0 90.36 269.80 6,214.5 -8.5 -2,091.7 668,148.26 623,862.09 32° 50' 10.233 N 103° 55' 48.253 W 8,100.0 90.39 269.81 6,213.2 -9.1 -2,291.7 668,147.59 623,662.10 32° 50' 10.234 N 103° 55' 55.0597 W 8,200.0 90.42 269.81 6,212.4 -9.5 -2,391.7 668,147.27 623,562.10 32° 50' 10.234 N 103° 55' 55.75.97 W 8,300.0 90.44 269.82 6,211.6 -9.8 -2,491.7 668,146.95 623,462.10 32° 50' 10.235 N 103° 55' 52.2941 W 8,500.0 90.49 269.82 6,210.8 -10.1 -2,791.7 668,146.33 623,162.12 32° 50' 10.235 N 103° 55' 55.258 W 8,700.0 90.55 269.83 6,209.0 -10.7 -2,791.7 | | | | | | | | | | |
| $7,800.0$ 90.31 269.80 $6,215.7$ -7.8 $-1,891.7$ $668,148.96$ $624,062.09$ 32° 50' 10.232 N 103° 55' 45.909 W $7,900.0$ 90.34 269.80 $6,215.1$ -8.1 $-1,991.7$ $668,148.61$ $623,962.09$ 32° 50' 10.232 N 103° 55' 47.081 W $8,000.0$ 90.36 269.80 $6,214.5$ -8.5 $-2,091.7$ $668,148.26$ $623,862.09$ 32° 50' 10.233 N 103° 55' 48.253 W $8,100.0$ 90.42 269.81 $6,213.2$ -9.1 $-2,291.7$ $668,147.92$ $623,662.10$ 32° 50' 10.234 N 103° 55' 50.597 W $8,300.0$ 90.44 269.82 $6,212.4$ -9.5 $-2,391.7$ $668,147.59$ $623,462.10$ 32° 50' 10.234 N 103° 55' 52.941 W $8,500.0$ 90.49 269.82 $6,210.8$ -10.1 $-2,591.7$ $668,146.95$ $623,462.10$ 32° 50' 10.235 N 103° 55' 52.941 W $8,600.0$ 90.52 269.83 $6,209.0$ -10.7 $-2,591.7$ $668,146.33$ $623,462.11$ 32° 50' 10.236 N 103° 55' 56.457 W $8,700.0$ 90.55 269.83 $6,209.0$ -10.7 $-2,791.7$ $668,145.74$ $623,062.12$ 32° 50' 10.238 N 103° 55' 56.457 W $8,900.0$ 90.57 269.83 $6,208.0$ -11.0 $-2,891.7$ $668,145.74$ $623,062.12$ 32° 50' 10.238 N 103° 55' 57.629 W $8,900.0$ 90.62 269.84 $6,205.9$ -11.3 $-3,9$ | | | | | | | | | | |
| 7,900.0 90.34 269.80 6,215.1 -8.1 -1,991.7 668,148.61 623,962.09 32° 50° 10.232 N 103° 55' 47.081 W 8,000.0 90.36 269.80 6,214.5 -8.5 -2,091.7 668,147.92 623,762.09 32° 50° 10.233 N 103° 55' 44.253 W 8,100.0 90.42 269.81 6,213.9 -8.8 -2,191.7 668,147.92 623,762.09 32° 50° 10.234 N 103° 55' 54.9425 W 8,200.0 90.42 269.81 6,211.4 -9.5 -2,291.7 668,147.27 623,662.10 32° 50° 10.234 N 103° 55' 54.525 PM W 8,400.0 90.47 269.82 6,211.8 -01.1 -2,591.7 668,146.95 623,462.10 32° 50° 10.235 N 103° 55' 54.113 W 8,600.0 90.52 269.83 6,209.9 -10.4 -2,691.7 668,146.03 623,162.11 32° 50° 10.235 N 103° 55' 55.285 W 8,700.0 90.55 269.83 6,209.0 -10.7 -2,791.7 668,145.74 623,062.12 32° 50° 10.237 N 103° 55' 56.457 W 8,800.0 90.57 269.83 6,202.0 -11.0 -2,891.7 | | | | | | | , | , | | |
| 8,000.0 90.36 269.80 6,214.5 -8.5 -2,091.7 668,148.26 623,862.09 32° 50' 10.233 N 103° 55' 48.253 W 8,100.0 90.39 269.81 6,213.2 -9.1 -2,291.7 668,147.92 623,762.09 32° 50' 10.233 N 103° 55' 49.425 W 8,200.0 90.42 269.81 6,213.2 -9.1 -2,291.7 668,147.57 623,662.10 32° 50' 10.234 N 103° 55' 50.597 W 8,300.0 90.44 269.82 6,212.4 -9.5 -2,391.7 668,147.57 623,662.10 32° 50' 10.235 N 103° 55' 52.941 W 8,600.0 90.47 269.82 6,210.8 -10.1 -2,591.7 668,146.03 623,362.11 32° 50' 10.235 N 103° 55' 55.285 W 8,700.0 90.55 269.83 6,209.9 -10.4 -2,691.7 668,146.03 623,162.12 32° 50' 10.237 N 103° 55' 55.285 W 8,700.0 90.55 269.83 6,209.0 -11.0 -2,891.7 668,146.03 623,162.12 32° 50' 10.238 N 103° 55' 56.264 W 8,900.0 90.60 269.84 6,207.0 -11.3 -2,991.7 | | | | | | | | | | |
| 8,100.0 90.39 269.81 6,213.9 -8.8 -2,191.7 668,147.92 623,762.09 32° 50' 10.233 N 103° 55' 49.425 W 8,200.0 90.42 269.81 6,213.2 -9.1 -2,291.7 668,147.59 623,662.10 32° 50' 10.233 N 103° 55' 50.597 W 8,300.0 90.44 269.82 6,212.4 -9.5 -2,391.7 668,146.95 623,462.10 32° 50' 10.235 N 103° 55' 52.941 W 8,400.0 90.47 269.82 6,210.8 -10.1 -2,591.7 668,146.95 623,462.10 32° 50' 10.235 N 103° 55' 52.941 W 8,500.0 90.49 269.82 6,210.8 -10.1 -2,591.7 668,146.33 623,262.11 32° 50' 10.235 N 103° 55' 54.113 W 8,600.0 90.55 269.83 6,209.0 -10.7 -2,791.7 668,145.74 623,062.12 32° 50' 10.238 N 103° 55' 58.645 W 8,700.0 90.52 269.84 6,207.0 -11.3 -2,991.7 668,145.74 622,062.13 32° 50' 10.238 N 103° 55' 58.80 W 9,000.0 90.60 269.84 6,207.0 -11.3 -2,991.7 | | | | | | | | | | |
| 8,200.0 90.42 269.81 6,213.2 -9.1 -2,291.7 668,147.59 623,662.10 32° 50' 10.234 N 103° 55' 50.597 W 8,300.0 90.44 269.82 6,212.4 -9.5 -2,391.7 668,147.27 623,662.10 32° 50' 10.234 N 103° 55' 50.597 W 8,400.0 90.47 269.82 6,211.6 -9.8 -2,391.7 668,146.95 623,462.10 32° 50' 10.235 N 103° 55' 52.941 W 8,500.0 90.49 269.82 6,210.8 -10.1 -2,591.7 668,146.64 623,362.11 32° 50' 10.235 N 103° 55' 55.285 W 8,600.0 90.52 269.83 6,209.0 -10.7 -2,791.7 668,146.03 623,162.12 32° 50' 10.237 N 103° 55' 55.285 W 8,700.0 90.57 269.83 6,208.0 -11.0 -2,891.7 668,145.45 622,062.13 32° 50' 10.239 N 103° 55' 55.997 W 8,800.0 90.67 269.84 6,208.0 -11.3 -2,991.7 668,145.45 622,062.13 32° 50' 10.239 N 103° 55' 59.973 W 9,000.0 90.62 269.84 6,203.6 -11.5 -3,091.7 | | | | | | | | | | |
| 8,300.0 90.44 269.82 6,212.4 -9.5 -2,391.7 668,147.27 623,562.10 32° 50' 10.234 N 103° 55' 51.769 W 8,400.0 90.47 269.82 6,211.6 -9.8 -2,491.7 668,146.95 623,462.10 32° 50' 10.235 N 103° 55' 52.941 W 8,500.0 90.49 269.82 6,210.8 -10.1 -2,591.7 668,146.64 623,362.11 32° 50' 10.235 N 103° 55' 52.941 W 8,600.0 90.52 269.83 6,209.9 -10.4 -2,691.7 668,146.03 623,162.12 32° 50' 10.237 N 103° 55' 55.457 W 8,700.0 90.55 269.83 6,209.0 -10.7 -2,791.7 668,145.74 623,062.12 32° 50' 10.238 N 103° 55' 55.6457 W 8,800.0 90.57 269.83 6,209.0 -11.0 -2,891.7 668,145.74 623,062.12 32° 50' 10.238 N 103° 55' 55.880 W 9,000.0 90.60 269.84 6,207.0 -11.3 -2,991.7 668,145.45 622,962.13 32° 50' 10.240 N 103° 55' 55.9973 W 9,100.0 90.65 269.85 6,203.6 -12.1 -3,991.7 668,144.51 | | | | | | | | | | |
| 8,400.0 90.47 269.82 6,211.6 -9.8 -2,491.7 668,146.95 623,462.10 32° 50' 10.235 N 103° 55' 52.941 W 8,500.0 90.49 269.82 6,210.8 -10.1 -2,591.7 668,146.64 623,362.11 32° 50' 10.235 N 103° 55' 52.98 W 8,600.0 90.52 269.83 6,209.9 -10.4 -2,691.7 668,146.33 623,262.11 32° 50' 10.236 N 103° 55' 55.285 W 8,700.0 90.55 269.83 6,209.0 -10.7 -2,791.7 668,146.03 623,162.12 32° 50' 10.237 N 103° 55' 56.457 W 8,800.0 90.57 269.83 6,207.0 -11.3 -2,991.7 668,145.74 623,062.12 32° 50' 10.238 N 103° 55' 58.801 W 9,000.0 90.62 269.84 6,205.9 -11.5 -3,091.7 668,145.18 622,862.13 32° 50' 10.240 N 103° 55' 52.973 W 9,100.0 90.65 269.85 6,204.8 -11.8 -3,191.7 668,144.90 622,762.14 32° 50' 10.241 N 103° 56' 2.810 W 9,200.0 90.67 269.85 6,203.6 -12.1 -3,291.7 | | | | | | | | | | |
| 8,500.0 90.49 269.82 6,210.8 -10.1 -2,591.7 668,146.64 623,362.11 32° 50' 10.235 N 103° 55' 54.113 W 8,600.0 90.52 269.83 6,209.9 -10.4 -2,691.7 668,146.03 623,262.11 32° 50' 10.235 N 103° 55' 55.285 W 8,700.0 90.55 269.83 6,209.0 -10.7 -2,791.7 668,146.03 623,162.12 32° 50' 10.237 N 103° 55' 55.285 W 8,800.0 90.57 269.83 6,208.0 -11.0 -2,891.7 668,145.74 623,062.12 32° 50' 10.239 N 103° 55' 55.289 W 8,900.0 90.60 269.84 6,207.0 -11.3 -2,991.7 668,145.45 622,962.13 32° 50' 10.239 N 103° 55' 59.89 W 9,000.0 90.62 269.84 6,205.9 -11.5 -3,091.7 668,144.90 622,762.14 32° 50' 10.240 N 103° 56' 2.973 W 9,100.0 90.67 269.85 6,203.6 -12.1 -3,291.7 668,144.64 622,62.15 32° 50' 10.241 N 103° 56' 2.317 W 9,248.0 90.69 269.85 6,203.1 -12.2 -3,339.7 | | | | | | | | | | |
| 8,600.0 90.52 269.83 6,209.9 -10.4 -2,691.7 668,146.33 623,262.11 32° 50' 10.236 N 103° 55' 55.285 W 8,700.0 90.55 269.83 6,209.0 -10.7 -2,791.7 668,146.03 623,162.12 32° 50' 10.237 N 103° 55' 55.285 W 8,800.0 90.57 269.83 6,208.0 -11.0 -2,891.7 668,145.74 623,062.12 32° 50' 10.238 N 103° 55' 55.880 W 9,000.0 90.60 269.84 6,207.0 -11.3 -2,991.7 668,145.74 622,062.13 32° 50' 10.239 N 103° 55' 55.880 W 9,000.0 90.62 269.84 6,205.9 -11.5 -3,091.7 668,145.18 622,862.13 32° 50' 10.240 N 103° 55' 59.973 W 9,100.0 90.65 269.85 6,203.6 -12.1 -3,291.7 668,144.51 622,662.15 32° 50' 10.240 N 103° 56' 2.817 W 9,200.0 90.67 269.85 6,203.6 -12.1 -3,291.7 668,144.51 622,62.15 32° 50' 10.242 N 103° 56' 2.880 W 9,300.0 90.69 269.85 6,203.1 -12.2 -3,391.7 | 8,500.0 | | | | | | 668,146.64 | | 32° 50' 10.235 N | |
| 8,800.0 90.57 269.83 6,208.0 -11.0 -2,891.7 668,145.74 623,062.12 32° 50' 10.238 N 103° 55' 57.629 W 8,900.0 90.60 269.84 6,207.0 -11.3 -2,991.7 668,145.45 622,962.13 32° 50' 10.239 N 103° 55' 57.629 W 9,000.0 90.62 269.84 6,205.9 -11.5 -3,091.7 668,145.18 622,862.13 32° 50' 10.240 N 103° 55' 59.973 W 9,100.0 90.65 269.85 6,204.8 -11.8 -3,191.7 668,144.90 622,762.14 32° 50' 10.241 N 103° 56' 1.145 W 9,200.0 90.67 269.85 6,203.6 -12.1 -3,291.7 668,144.64 622,662.15 32° 50' 10.242 N 103° 56' 2.317 W 9,248.0 90.69 269.85 6,203.1 -12.2 -3,339.7 668,144.51 622,62.16 32° 50' 10.243 N 103° 56' 3.489 W 9,300.0 90.69 269.85 6,201.2 -12.6 -3,491.7 668,144.38 622,362.17 32° 50' 10.244 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,200.0 -12.9 -3,591.6 | | | 269.83 | | -10.4 | | 668,146.33 | | 32° 50' 10.236 N | |
| 8,900.0 90.60 269.84 6,207.0 -11.3 -2,991.7 668,145.45 622,962.13 32° 50' 10.239 N 103° 55' 58.801 W 9,000.0 90.62 269.84 6,205.9 -11.5 -3,091.7 668,145.18 622,862.13 32° 50' 10.240 N 103° 55' 59.973 W 9,100.0 90.65 269.85 6,204.8 -11.8 -3,191.7 668,144.90 622,762.14 32° 50' 10.241 N 103° 56' 1.145 W 9,200.0 90.67 269.85 6,203.6 -12.1 -3,291.7 668,144.64 622,662.15 32° 50' 10.242 N 103° 56' 2.317 W 9,248.0 90.69 269.85 6,203.1 -12.2 -3,391.7 668,144.51 622,662.16 32° 50' 10.243 N 103° 56' 2.880 W 9,300.0 90.69 269.85 6,202.4 -12.3 -3,391.7 668,144.38 622,562.16 32° 50' 10.243 N 103° 56' 3.489 W 9,400.0 90.69 269.85 6,201.2 -12.6 -3,491.7 668,144.38 622,362.17 32° 50' 10.244 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,190.0 -12.9 -3,591.6 | 8,700.0 | 90.55 | 269.83 | 6,209.0 | -10.7 | -2,791.7 | 668,146.03 | 623,162.12 | 32° 50' 10.237 N | 103° 55' 56.457 W |
| 9,000.0 90.62 269.84 6,205.9 -11.5 -3,091.7 668,145.18 622,862.13 32° 50' 10.240 N 103° 55' 59.973 W 9,100.0 90.65 269.85 6,204.8 -11.8 -3,191.7 668,144.90 622,762.14 32° 50' 10.240 N 103° 56' 1.145 W 9,200.0 90.67 269.85 6,203.6 -12.1 -3,291.7 668,144.64 622,662.15 32° 50' 10.242 N 103° 56' 2.317 W 9,248.0 90.69 269.85 6,203.1 -12.2 -3,391.7 668,144.51 622,622.16 32° 50' 10.243 N 103° 56' 2.880 W 9,300.0 90.69 269.85 6,202.4 -12.3 -3,391.7 668,144.38 622,562.16 32° 50' 10.243 N 103° 56' 3.489 W 9,400.0 90.69 269.85 6,201.2 -12.6 -3,491.7 668,144.12 622,462.16 32° 50' 10.244 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,200.0 -12.9 -3,591.6 668,143.86 622,262.18 32° 50' 10.247 N 103° 56' 7.005 W 9,600.0 90.69 269.85 6,198.8 -13.1 -3,691.6 < | 8,800.0 | 90.57 | 269.83 | 6,208.0 | -11.0 | -2,891.7 | 668,145.74 | 623,062.12 | 32° 50' 10.238 N | 103° 55' 57.629 W |
| 9,100.0 90.65 269.85 6,204.8 -11.8 -3,191.7 668,144.90 622,762.14 32° 50' 10.241 N 103° 56' 1.145 W 9,200.0 90.67 269.85 6,203.6 -12.1 -3,291.7 668,144.64 622,662.15 32° 50' 10.242 N 103° 56' 2.317 W 9,248.0 90.69 269.85 6,203.1 -12.2 -3,339.7 668,144.51 622,662.15 32° 50' 10.243 N 103° 56' 2.880 W 9,300.0 90.69 269.85 6,202.4 -12.3 -3,391.7 668,144.38 622,562.16 32° 50' 10.243 N 103° 56' 3.489 W 9,400.0 90.69 269.85 6,201.2 -12.6 -3,491.7 668,144.12 622,462.16 32° 50' 10.244 N 103° 56' 5.833 W 9,500.0 90.69 269.85 6,200.0 -12.9 -3,591.6 668,143.86 622,362.17 32° 50' 10.245 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,198.8 -13.1 -3,691.6 668,143.60 622,262.18 32° 50' 10.247 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,197.6 -13.4 -3,791.6 <t< td=""><td>8,900.0</td><td>90.60</td><td>269.84</td><td>6,207.0</td><td>-11.3</td><td>-2,991.7</td><td>668,145.45</td><td>622,962.13</td><td>32° 50' 10.239 N</td><td>103° 55' 58.801 W</td></t<> | 8,900.0 | 90.60 | 269.84 | 6,207.0 | -11.3 | -2,991.7 | 668,145.45 | 622,962.13 | 32° 50' 10.239 N | 103° 55' 58.801 W |
| 9,100.0 90.65 269.85 6,204.8 -11.8 -3,191.7 668,144.90 622,762.14 32° 50' 10.241 N 103° 56' 1.145 W 9,200.0 90.67 269.85 6,203.6 -12.1 -3,291.7 668,144.64 622,662.15 32° 50' 10.242 N 103° 56' 2.317 W 9,248.0 90.69 269.85 6,203.1 -12.2 -3,339.7 668,144.51 622,662.15 32° 50' 10.243 N 103° 56' 2.880 W 9,300.0 90.69 269.85 6,202.4 -12.3 -3,391.7 668,144.38 622,562.16 32° 50' 10.243 N 103° 56' 3.489 W 9,400.0 90.69 269.85 6,201.2 -12.6 -3,491.7 668,144.12 622,462.16 32° 50' 10.244 N 103° 56' 5.833 W 9,500.0 90.69 269.85 6,200.0 -12.9 -3,591.6 668,143.86 622,362.17 32° 50' 10.245 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,198.8 -13.1 -3,691.6 668,143.60 622,262.18 32° 50' 10.247 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,197.6 -13.4 -3,791.6 <t< td=""><td>9,000.0</td><td>90.62</td><td>269.84</td><td>6,205.9</td><td>-11.5</td><td>-3,091.7</td><td>668,145.18</td><td>622,862.13</td><td>32° 50' 10.240 N</td><td>103° 55' 59.973 W</td></t<> | 9,000.0 | 90.62 | 269.84 | 6,205.9 | -11.5 | -3,091.7 | 668,145.18 | 622,862.13 | 32° 50' 10.240 N | 103° 55' 59.973 W |
| 9,248.0 90.69 269.85 6,203.1 -12.2 -3,339.7 668,144.51 622,614.14 32° 50' 10.243 N 103° 56' 2.880 W 9,300.0 90.69 269.85 6,202.4 -12.3 -3,391.7 668,144.38 622,562.16 32° 50' 10.243 N 103° 56' 3.489 W 9,400.0 90.69 269.85 6,201.2 -12.6 -3,491.7 668,144.12 622,462.16 32° 50' 10.244 N 103° 56' 4.661 W 9,500.0 90.69 269.85 6,200.0 -12.9 -3,591.6 668,143.86 622,362.17 32° 50' 10.245 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,198.8 -13.1 -3,691.6 668,143.60 622,262.18 32° 50' 10.247 N 103° 56' 7.005 W 9,700.0 90.69 269.85 6,197.6 -13.4 -3,791.6 668,143.35 622,162.19 32° 50' 10.248 N 103° 56' 8.177 W 9,800.0 90.69 269.85 6,196.4 -13.6 -3,891.6 668,143.09 622,062.19 32° 50' 10.249 N 103° 56' 9.349 W 9,900.0 90.69 269.85 6,195.2 -13.9 -3,991.6 <t< td=""><td></td><td></td><td>269.85</td><td>6,204.8</td><td>-11.8</td><td></td><td>668,144.90</td><td>622,762.14</td><td>32° 50' 10.241 N</td><td>103° 56' 1.145 W</td></t<> | | | 269.85 | 6,204.8 | -11.8 | | 668,144.90 | 622,762.14 | 32° 50' 10.241 N | 103° 56' 1.145 W |
| 9,300.0 90.69 269.85 6,202.4 -12.3 -3,391.7 668,144.38 622,562.16 32° 50' 10.243 N 103° 56' 3.489 W 9,400.0 90.69 269.85 6,201.2 -12.6 -3,491.7 668,144.12 622,462.16 32° 50' 10.244 N 103° 56' 3.489 W 9,500.0 90.69 269.85 6,200.0 -12.9 -3,591.6 668,144.12 622,362.17 32° 50' 10.244 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,198.8 -13.1 -3,691.6 668,143.60 622,262.18 32° 50' 10.247 N 103° 56' 7.005 W 9,700.0 90.69 269.85 6,197.6 -13.4 -3,791.6 668,143.35 622,162.19 32° 50' 10.248 N 103° 56' 8.177 W 9,800.0 90.69 269.85 6,196.4 -13.6 -3,891.6 668,143.09 622,062.19 32° 50' 10.248 N 103° 56' 9.349 W 9,900.0 90.69 269.85 6,195.2 -13.9 -3,891.6 668,142.83 621,962.20 32° 50' 10.249 N 103° 56' 9.349 W 9,900.0 90.69 269.85 6,195.2 -13.9 -3,991.6 <t< td=""><td>9,200.0</td><td>90.67</td><td>269.85</td><td>6,203.6</td><td>-12.1</td><td>-3,291.7</td><td>668,144.64</td><td>622,662.15</td><td>32° 50' 10.242 N</td><td>103° 56' 2.317 W</td></t<> | 9,200.0 | 90.67 | 269.85 | 6,203.6 | -12.1 | -3,291.7 | 668,144.64 | 622,662.15 | 32° 50' 10.242 N | 103° 56' 2.317 W |
| 9,400.0 90.69 269.85 6,201.2 -12.6 -3,491.7 668,144.12 622,462.16 32° 50' 10.244 N 103° 56' 4.661 W 9,500.0 90.69 269.85 6,200.0 -12.9 -3,591.6 668,143.86 622,362.17 32° 50' 10.245 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,198.8 -13.1 -3,691.6 668,143.60 622,262.18 32° 50' 10.245 N 103° 56' 5.833 W 9,700.0 90.69 269.85 6,197.6 -13.4 -3,791.6 668,143.35 622,162.19 32° 50' 10.247 N 103° 56' 8.177 W 9,800.0 90.69 269.85 6,196.4 -13.6 -3,891.6 668,143.09 622,062.19 32° 50' 10.249 N 103° 56' 9.349 W 9,900.0 90.69 269.85 6,195.2 -13.9 -3,991.6 668,142.83 621,962.20 32° 50' 10.249 N 103° 56' 9.349 W 9,900.0 90.69 269.85 6,195.2 -13.9 -3,991.6 668,142.83 621,962.20 32° 50' 10.250 N 103° 56' 10.521 W 103° 56' 10.521 W< | 9,248.0 | 90.69 | 269.85 | 6,203.1 | -12.2 | -3,339.7 | 668,144.51 | 622,614.14 | 32° 50' 10.243 N | 103° 56' 2.880 W |
| 9,500.0 90.69 269.85 6,200.0 -12.9 -3,591.6 668,143.86 622,362.17 32° 50' 10.245 N 103° 56' 5.833 W 9,600.0 90.69 269.85 6,198.8 -13.1 -3,691.6 668,143.60 622,262.18 32° 50' 10.245 N 103° 56' 5.833 W 9,700.0 90.69 269.85 6,197.6 -13.4 -3,791.6 668,143.35 622,162.19 32° 50' 10.247 N 103° 56' 8.177 W 9,800.0 90.69 269.85 6,196.4 -13.6 -3,891.6 668,143.09 622,062.19 32° 50' 10.249 N 103° 56' 9.349 W 9,900.0 90.69 269.85 6,195.2 -13.9 -3,991.6 668,142.83 621,962.20 32° 50' 10.249 N 103° 56' 10.521 W 10,000.0 90.69 269.85 6,195.2 -13.9 -3,991.6 668,142.83 621,962.20 32° 50' 10.250 N 103° 56' 10.521 W 10,000.0 90.69 269.85 6,194.0 -14.2 -4,091.6 668,142.57 621,862.21 32° 50' 10.251 N 103° 56' 11.693 W 103° 56' 11.69 | 9,300.0 | 90.69 | 269.85 | 6,202.4 | -12.3 | -3,391.7 | 668,144.38 | 622,562.16 | 32° 50' 10.243 N | 103° 56' 3.489 W |
| 9,600.0 90.69 269.85 6,198.8 -13.1 -3,691.6 668,143.60 622,262.18 32° 50' 10.247 N 103° 56' 7.005 W 9,700.0 90.69 269.85 6,197.6 -13.4 -3,791.6 668,143.35 622,162.19 32° 50' 10.247 N 103° 56' 8.177 W 9,800.0 90.69 269.85 6,196.4 -13.6 -3,891.6 668,143.09 622,062.19 32° 50' 10.248 N 103° 56' 9.349 W 9,900.0 90.69 269.85 6,195.2 -13.9 -3,991.6 668,142.83 621,962.20 32° 50' 10.249 N 103° 56' 10.521 W 10,000.0 90.69 269.85 6,194.0 -14.2 -4,091.6 668,142.57 621,862.21 32° 50' 10.251 N 103° 56' 11.693 W | 9,400.0 | 90.69 | | | | -3,491.7 | 668,144.12 | | 32° 50' 10.244 N | 103° 56' 4.661 W |
| 9,700.0 90.69 269.85 6,197.6 -13.4 -3,791.6 668,143.35 622,162.19 32° 50' 10.248 N 103° 56' 8.177 W 9,800.0 90.69 269.85 6,196.4 -13.6 -3,891.6 668,143.09 622,062.19 32° 50' 10.248 N 103° 56' 9.349 W 9,900.0 90.69 269.85 6,195.2 -13.9 -3,991.6 668,142.83 621,962.20 32° 50' 10.249 N 103° 56' 10.521 W 10,000.0 90.69 269.85 6,194.0 -14.2 -4,091.6 668,142.57 621,862.21 32° 50' 10.251 N 103° 56' 11.693 W | 9,500.0 | | 269.85 | 6,200.0 | | -3,591.6 | 668,143.86 | 622,362.17 | 32° 50' 10.245 N | 103° 56' 5.833 W |
| 9,800.0 90.69 269.85 6,196.4 -13.6 -3,891.6 668,143.09 622,062.19 32° 50' 10.249 N 103° 56' 9.349 W 9,900.0 90.69 269.85 6,195.2 -13.9 -3,991.6 668,142.83 621,962.20 32° 50' 10.250 N 103° 56' 10.521 W 10,000.0 90.69 269.85 6,194.0 -14.2 -4,091.6 668,142.57 621,862.21 32° 50' 10.251 N 103° 56' 11.693 W | | | | | | | | , | 32° 50' 10.247 N | 103° 56' 7.005 W |
| 9,900.0 90.69 269.85 6,195.2 -13.9 -3,991.6 668,142.83 621,962.20 32° 50' 10.250 N 103° 56' 10.521 W 10,000.0 90.69 269.85 6,194.0 -14.2 -4,091.6 668,142.57 621,862.21 32° 50' 10.251 N 103° 56' 11.693 W | 9,700.0 | 90.69 | 269.85 | 6,197.6 | | -3,791.6 | 668,143.35 | 622,162.19 | 32° 50' 10.248 N | 103° 56' 8.177 W |
| 10,000.0 90.69 269.85 6,194.0 -14.2 -4,091.6 668,142.57 621,862.21 32° 50' 10.251 N 103° 56' 11.693 W | | | | | | | | | | |
| | 9,900.0 | 90.69 | 269.85 | 6,195.2 | | -3,991.6 | 668,142.83 | 621,962.20 | 32° 50' 10.250 N | 103° 56' 10.521 W |
| 10,100.0 90.69 269.85 6,192.8 -14.4 -4,191.6 668,142.31 621,762.22 32° 50' 10.252 N 103° 56' 12.865 W | 10,000.0 | 90.69 | | | | | 668,142.57 | | | |
| | 10,100.0 | 90.69 | 269.85 | 6,192.8 | -14.4 | -4,191.6 | 668,142.31 | 621,762.22 | 32° 50' 10.252 N | 103° 56' 12.865 W |



Planning Report - Geographic



| Database: | EDM 5000.15 Single User Db | Local Co-ordinate Reference: | Site Section 13/14-17S-30E Stevens A |
|-----------|---------------------------------|------------------------------|--------------------------------------|
| Company: | Burnett Oil Co. | TVD Reference: | 3740+19 @ 3759.0usft |
| Project: | Eddy County, NM | MD Reference: | 3740+19 @ 3759.0usft |
| Site: | Section 13/14-17S-30E Stevens A | North Reference: | Grid |
| Well: | Stevens A 13F-14G 1H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | - | |
| Design: | Plan #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 |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|---------------------------|--------------------------|------------------|-------------------|
| 10,200.0 | 90.69 | 269.85 | 6,191.6 | -14.7 | -4,291.6 | 668,142.05 | 621,662.22 | 32° 50' 10.254 N | 103° 56' 14.037 W |
| 10,300.0 | 90.69 | 269.85 | 6,190.4 | -14.9 | -4,391.6 | 668,141.79 | 621,562.23 | 32° 50' 10.255 N | 103° 56' 15.209 W |
| 10,400.0 | 90.69 | 269.85 | 6,189.2 | -15.2 | -4,491.6 | 668,141.54 | 621,462.24 | 32° 50' 10.256 N | 103° 56' 16.381 W |
| 10,500.0 | 90.69 | 269.85 | 6,188.0 | -15.4 | -4,591.6 | 668,141.28 | 621,362.25 | 32° 50' 10.257 N | 103° 56' 17.553 W |
| 10,600.0 | 90.69 | 269.85 | 6,186.8 | -15.7 | -4,691.6 | 668,141.02 | 621,262.25 | 32° 50' 10.258 N | 103° 56' 18.725 W |
| 10,700.0 | 90.69 | 269.85 | 6,185.6 | -16.0 | -4,791.6 | 668,140.76 | 621,162.26 | 32° 50' 10.259 N | 103° 56' 19.897 W |
| 10,800.0 | 90.69 | 269.85 | 6,184.4 | -16.2 | -4,891.5 | 668,140.50 | 621,062.27 | 32° 50' 10.260 N | 103° 56' 21.069 W |
| 10,900.0 | 90.69 | 269.85 | 6,183.2 | -16.5 | -4,991.5 | 668,140.24 | 620,962.28 | 32° 50' 10.262 N | 103° 56' 22.241 W |
| 11,000.0 | 90.69 | 269.85 | 6,182.0 | -16.7 | -5,091.5 | 668,139.98 | 620,862.28 | 32° 50' 10.263 N | 103° 56' 23.413 W |
| 11,100.0 | 90.69 | 269.85 | 6,180.8 | -17.0 | -5,191.5 | 668,139.73 | 620,762.29 | 32° 50' 10.264 N | 103° 56' 24.584 W |
| 11,200.0 | 90.69 | 269.85 | 6,179.6 | -17.3 | -5,291.5 | 668,139.47 | 620,662.30 | 32° 50' 10.265 N | 103° 56' 25.756 W |
| 11,300.0 | 90.69 | 269.85 | 6,178.4 | -17.5 | -5,391.5 | 668,139.21 | 620,562.31 | 32° 50' 10.266 N | 103° 56' 26.928 W |
| 11,400.0 | 90.69 | 269.85 | 6,177.2 | -17.8 | -5,491.5 | 668,138.95 | 620,462.31 | 32° 50' 10.267 N | 103° 56' 28.100 W |
| 11,500.0 | 90.69 | 269.85 | 6,176.0 | -18.0 | -5,591.5 | 668,138.69 | 620,362.32 | 32° 50' 10.268 N | 103° 56' 29.272 W |
| 11,587.4 | 90.69 | 269.85 | 6,175.0 | -18.3 | -5,678.8 | 668,138.46 | 620,274.97 | 32° 50' 10.269 N | 103° 56' 30.296 W |
| PBHL S | Stevens A | | | | | | | | |

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 |
|---|----------------------|----------------------|------------------------|----------------------|-------------------------|-------------------------|-------------------|------------------|-------------------|
| PBHL Stevens A - plan hits target o - Point | 0.00 enter | 0.00 | 6,175.0 | -18.3 | -5,678.8 | 668,138.46 | 620,274.97 | 32° 50' 10.269 N | 103° 56' 30.296 W |
| FTP Stevens A - plan misses targ - Point | 0.00 et center by | 0.00 7.3usft at 6 | 6,219.0 507.4usft N | -1.6 1D (6211.8 T | -598.9 VD, -2.6 N, - | 668,155.15 -599.5 E) | 625,354.95 | 32° 50' 10.244 N | 103° 55' 30.756 W |

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

| OPERATOR'S NAME: | Mewbourne Oil Company |
|----------------------------|------------------------------------|
| LEASE NO.: | NMLC0030570A |
| WELL NAME & NO.: | STEVENS A 13F-14G 1H |
| SURFACE HOLE FOOTAGE: | 1980'/N & 2140'/E |
| BOTTOM HOLE FOOTAGE | 1980'/N & 2540'/E |
| LOCATION: | Section 13, T.17 S., R.30 E., NMPM |
| COUNTY: | Eddy County, New Mexico |

COA

| H2S | • Yes | O No | |
|----------------------|------------------|----------------|------------|
| Potash | None | Secretary | © R-111-P |
| Cave/Karst Potential | • Low | O Medium | O High |
| Cave/Karst Potential | Critical | | |
| Variance | None | C Flex Hose | O Other |
| Wellhead | Conventional | O Multibowl | O Both |
| Other | □4 String Area | Capitan Reef | □ WIPP |
| Other | Fluid Filled | Cement Squeeze | Pilot Hole |
| Special Requirements | □ Water Disposal | СОМ | 🗆 Unit |

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the Grayburg formations. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

Casing Design:

- 1. The **13-3/8** inch surface casing shall be set at approximately **500** feet (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

Page 1 of 7

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of <u>8</u> <u>hours</u> 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.
- 2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing which shall be set at approximately **2000** feet is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
- 3. The minimum required fill of cement behind the 7 inch production casing is:

Option 1 (Single Stage):

 Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.
 Excess cement calculates to -38%, additional cement might be required.

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000** (**2M**) psi.

Page 2 of 7

- 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.

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.

Page 3 of 7

- 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.
- 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 <u>24</u> <u>hours</u>. 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. <u>Wait on cement (WOC) for Water Basin:</u> 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 <u>8 hours</u>. 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.

OTA09022020

Page 7 of 7



HYDROGEN SULFIDE (H2S) PLAN & TRAINING

This plan was developed in accordance with 43 CFR 3162.3-1, section III.C, Onshore Oil and Gas Operations Order No. 6.

Based on our area testing H2S at 100 PPM has a radius of 139' and does not get off our well sites. There are no schools, residences, churches, parks, public buildings, recreation area or public within 2+ miles of our area.

A. Training

1. Training of Personnel

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in accordance with 43 CFR 3162.3-1, section III.C.3.a. Training will be given in the following areas prior to commencing drilling operations on each well:

- a. The hazards and characteristics of Hydrogen Sulfide (H2S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H2S detectors, alarms, warning systems, briefing areas, evacuation procedures and the prevailing wind.
- d. The proper techniques for first aid and rescue procedures.
- e. ATTACHED HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN DRILLING EXHIBIT L.
- f. ATTACHED EMERGENCY CALL LIST FOR ANY ON SITE EMERGENCY DRILLING EXHIBIT M.

2. Training of Supervisory Personnel

In addition to the training above, supervisory personnel will also 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 special maintenance requirements.
- b. Corrective action and shut-in procedures when drilling or reworking a well, blowout prevention and well control procedures.
- c. The contents and requirements of the H2S Drilling Operations Plan and the Public Protection Plan (if applicable.)

3. Initial and Ongoing Training

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 (if applicable). This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

B. H2S Drilling Operations Plan

- 1. Well Control Equipment
 - a. Flare line(s) and means of ignition
 - b. Remote control choke
 - c. Flare gun/flares
 - d. Mud-gas separator

2. Protective equipment for essential personnel:

- a. Mark II Surviveair (or equivalent) 30 minute units located in the dog house and at the primary briefing area (to be determined.)
- b. Means of communication when using protective breathing apparatus.

3. H2S detection and monitoring equipment:

- a. Three (3) portable H2S monitors positioned on location for best coverage and response. These units have warning lights at 10 PPM and warning lights and audible sirens when H2S levels of 15 PPM is reached. A digital display inside the doghouse shows current H2S levels at all three (3) locations.
- b. An H2S Safety compliance set up is on location during all operations.
- c. We will monitor and start fans at 1- ppm or less, an increase over 10 ppm results in the shutdown and installation of the mud/gas separator.
- d. Portable H2S and SO2 monitor(s).

4. Visual warning systems:

- a. Wind direction indicators will be positioned for maximum visibility.
- b. Caution/Danger signs will 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 reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

5. Mud program:

a. The mud program has been designed to minimize the volume of H2S circulated to the surface Proper mud weight, safe drilling practices and the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.

6. Metallurgy:

- a. All drill strings, casings, tubing, wellheads, Hydril BOPS, drilling spools, kill lines, choke manifold, valves and lines will be suitable for H2S service.
- b. All elastomers used for packing and seals shall be H2S trim.

7. Communication:

- a. Cellular Telephone and/or 2-way radio will be provided at well site.
- b. Landline telephone is located in our field office.



EXHIBIT L - HYDROGEN SULFIDE (H2S) CONTIGENCY PLAN

A. Emergency Procedures

In the event of a release of gas containing H2S, the first responder(s) must

- 1. Isolate the area and prevent entry by other persons into the 100 PPM ROE. Assumed 100PPM ROE = 3000'.
- 2. Evacuate any public places encompassed by 100 PPM ROE.
- 3. Be equipped with H2S monitors and air packs in order to control release.
- 4. Use the "buddy system" to ensure no injuries occur during the response.
- 5. Take precautions to avoid personal injury during this operation.
- 6. Have received training in the following:
 - a. H2S detection
 - b. Measures for protection against this gas
 - c. Equipment used for protection and emergency response.

B. Ignition of Gas Source

Should control of the well be considered lost and ignition considered, care will be taken to protect against exposure to Sulfur Dioxide (SO2). Intentional ignition will be coordinated with the NMOCD and local officials. Additionally, the New Mexico State Police may become involved. NM State Police shall be the incident command on scene of any major release. Care will be taken to protect downwind whenever there is an ignition of gas.

C. Characteristics of H2S and SO2

| Common Name | Chemical <u>Formula</u> | Specific <u>Gravity</u> | Threshold <u>Limit</u> | Hazardous Limit | Lethal <u>Concentration</u> |
|------------------|----------------------------|----------------------------|---------------------------|-----------------|--------------------------------|
| Hydrogen Sulfide | H2S | 1.189 Air = 1 | 10 ppm | 100 ppm/hr | 600 ppm |
| Sulfur Dioxide | SO2 | 2.21 Air = 1 | 2 ppm | NA | 1000 ppm |

D. Contacting Authorities

Burnett Oil Co., Inc. personal will liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD will be notified of the release as soon as possible but no later than four (4) hours after the incident. Agencies will ask for information such as type and volume of release, wind and direction, location of release, etc. Be sure all is written down and ready to give to contact list attached. Burnett's response must be in coordination with the State of New Mexico's Hazardous Materials Emergency Response Plan.

Directions to the site are as follows:

Burnett Office 87 Square Lake Road (CR #220) Loco Hills, NM 88255

Loco Hills, New Mexico (2 miles East of Loco Hills on US Hwy 82 to C #220. Then North on CR #220 approximately one (1) mile to office.



EXHIBIT M - EMERGENCY NOTIFICATION LIST

BURNETT CONTACTS

| Burnett's New Mexico Office | | 817.332.5108 x202 |
|--|--|--|
| 87 Square Lake Road (CR #220) Loco Hills, New Mexico 88255 Directions: Loco Hills, NM – 2 miles east of Loco Hills on US Hwy 82 to CR#220. Then North on CR #220 approximately one (1) mile to office. | | |
| Tyler Deans – Engineering Manager | | Cell – 423.553.4699 |
| Burnett Oil Home Office 817.332.510 Burnett Plaza – Suite 1500 801 Cherry Street – Unit #9 Fort Worth, Texas 76102 | | |
| Walter Glasgow VP of Operations – Permian Basin/New Mexico | | Office - 817.583.8871 Cell - 817.343.5567 |
| Leslie Garvis Regulatory & Government Affairs Manager | | Office – 817.583.8730 Cell – 713.819.4371 |
| SHERIFF/POLICE CONTACTS | | |
| Eddy County Sheriff New Mexico State Police | | 911 or 575.677.2313 575.746.2701 |
| FIRE DEPARTMENT | | |
| Loco Hills Fire Department (VOLUNTEER ONLY) For Medical and Fire (Artesia) | | 911 or 575.677.2349 575.746.2701 |
| AIR AMBULANCE | | |
| Flight for Life Air Ambulance Aerocare Air Ambulance Med Flight Air Ambulance S B Med Svc Air Ambulance | (Lubbock) (Lubbock) (Albuq) (Albuq) | 806.743.9911 806.747.8923 505.842.4433 505.842.4949 |
| FEDERAL AND STATE | | |
| US Bureau of Land Management (Carlsbad) 575.361.2822 New Mexico Oil Conservation Division (Artesia) New Mexico Emergency Response Commission (24 hour) Local Emergency Planning Operation Center (Artesia) National Emergency Response Center (Washington, DC) | | 575.234.5972 575.748.1283 575.827.9126 505.842.4949 800.424.8802 |
| OTHER IMPORTANT NUMBERS | | |
| Boots & Coots IWC Cudd Pressure Control Halliburton Services BJ Service | | 800.256.9688 432.570.5300 575.746.2757 575.746.2293 |
| THIS MUST BE POSTED AT | | CATION |

THIS MUST BE POSTED AT THE RIG WHILE ON LOCATION