# Sundry Print Report

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

Well Name: BURGER B-20 Well Location: T20S / R38E / SEC 20 / County or Parish/State: LEA /

NENE / 32.5631563 / -103.1653557

Well Number: 05 Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMLC031670B Unit or CA Name: Unit or CA Number:

# **Notice of Intent**

**Sundry ID:** 2824737

Type of Submission: Notice of Intent

Type of Action: Temporary Abandonment

Date proposed operation will begin: 11/27/2024

**Procedure Description:** Maverick Permian LLC is requesting approval of the TA procedure. We are asking for TA status so we can look into up-hole potential.

# **Surface Disturbance**

Is any additional surface disturbance proposed?: No

# **NOI Attachments**

# **Procedure Description**

 $BURGER\_B\_20\_\_5\_TA\_Procedure\_updated\_20241127061424.pdf$ 

Page 1 of 2

eceived by OCD: 12/9/2024 6:12:49 AM Well Name: BURGER B-20

Well Location: T20S / R38E / SEC 20 /

NENE / 32.5631563 / -103.1653557

County or Parish/State: LEA/ 2 of

Well Number: 05

Type of Well: OIL WELL

**Allottee or Tribe Name:** 

Lease Number: NMLC031670B

**Unit or CA Name:** 

**Unit or CA Number:** 

**US Well Number:** 300253792700C2

**Operator: MAVERICK PERMIAN LLC** 

# **Conditions of Approval**

### **Specialist Review**

TA\_COA\_20241205153402.pdf

# **Operator**

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

**Operator Electronic Signature: NICOLE LEE** Signed on: NOV 27, 2024 06:15 AM

Name: MAVERICK PERMIAN LLC

Title: Regulatory Lead

Street Address: 1000 MAIN STREET SUITE 2900

City: HOUSTON State: TX

Phone: (713) 437-8097

Email address: NICOLE.LEE@MAVRESOURCES.COM

State:

#### **Field**

**Representative Name:** 

**Street Address:** 

City:

Zip:

Phone:

**Email address:** 

# **BLM Point of Contact**

Signature: Jonathon Shepard

**BLM POC Name: JONATHON W SHEPARD BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752345972 BLM POC Email Address: jshepard@blm.gov

**Disposition:** Approved Disposition Date: 12/05/2024

Page 2 of 2

Form 3160-5 (June 2019)

# **UNITED STATES** DEPARTMENT OF THE INTERIOR

| FORM APPROVED            |
|--------------------------|
| OMB No. 1004-0137        |
| Expires: October 31, 202 |

| BURI                                                                                                                           | EAU OF LAND MAN                                                |                         | 5. Lease Serial No.        |                                 |            |                                  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------|----------------------------|---------------------------------|------------|----------------------------------|--|--|
| Do not use this t                                                                                                              | IOTICES AND REPC<br>form for proposals t<br>Use Form 3160-3 (A | o drill or to re-       | enter an                   | 6. If Indian, Allottee or Tribe | e Name     |                                  |  |  |
| SUBMIT IN T                                                                                                                    | TRIPLICATE - Other instru                                      |                         | 7. If Unit of CA/Agreement | Name and                        | l/or No.   |                                  |  |  |
| 1. Type of Well  Oil Well  Gas W                                                                                               | Vell Other                                                     |                         |                            | 8. Well Name and No.            |            |                                  |  |  |
| 2. Name of Operator                                                                                                            |                                                                |                         |                            | 9. API Well No.                 |            |                                  |  |  |
| 3a. Address                                                                                                                    |                                                                | 3b. Phone No. (inclu    | de area code)              | 10. Field and Pool or Explor    | atory Area | 1                                |  |  |
| 4. Location of Well (Footage, Sec., T.,R                                                                                       | R.,M., or Survey Description)                                  |                         |                            | 11. Country or Parish, State    |            |                                  |  |  |
| 12. CHE                                                                                                                        | CK THE APPROPRIATE BO                                          | OX(ES) TO INDICAT       | ΓΕ NATURE                  | OF NOTICE, REPORT OR O          | THER DA    | ΓΑ                               |  |  |
| TYPE OF SUBMISSION                                                                                                             |                                                                |                         | TYP                        | E OF ACTION                     |            |                                  |  |  |
| Notice of Intent                                                                                                               | Acidize Alter Casing                                           | Deepen Hydraulic 1      | Fracturing                 | Production (Start/Resume        |            | Water Shut-Off Well Integrity    |  |  |
| Subsequent Report                                                                                                              | Casing Repair                                                  | New Const               | _                          | Recomplete                      | _          | Other                            |  |  |
| Subsequent Report                                                                                                              | Change Plans                                                   | Plug and A              | bandon                     | Temporarily Abandon             |            |                                  |  |  |
| Final Abandonment Notice                                                                                                       | Convert to Injection                                           | Plug Back               |                            | Water Disposal                  |            |                                  |  |  |
| is ready for final inspection.)                                                                                                | two and someth News (D.)                                       | utod/Timed)             |                            |                                 |            |                                  |  |  |
| 14. I hereby certify that the foregoing is                                                                                     | true and correct. Name (Pri                                    | nted/Typed)   Title     |                            |                                 |            |                                  |  |  |
|                                                                                                                                |                                                                | Title                   |                            |                                 |            |                                  |  |  |
| Signature                                                                                                                      |                                                                | Date                    | :                          |                                 |            |                                  |  |  |
|                                                                                                                                | THE SPACE                                                      | FOR FEDERA              | L OR STA                   | ATE OFICE USE                   |            |                                  |  |  |
| Approved by                                                                                                                    |                                                                |                         |                            |                                 |            |                                  |  |  |
|                                                                                                                                |                                                                |                         | Title                      |                                 | Date       |                                  |  |  |
| Conditions of approval, if any, are attack certify that the applicant holds legal or ewhich would entitle the applicant to con | equitable title to those rights i                              |                         | Office                     |                                 | '          |                                  |  |  |
| Title 18 U.S.C Section 1001 and Title 43                                                                                       | 3 U.S.C Section 1212, make                                     | it a crime for any pers | son knowingl               | y and willfully to make to any  | departmen  | t or agency of the United States |  |  |

any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

#### **GENERAL INSTRUCTIONS**

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

#### SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

#### **NOTICES**

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

(Form 3160-5, page 2)

# **Additional Information**

# **Location of Well**

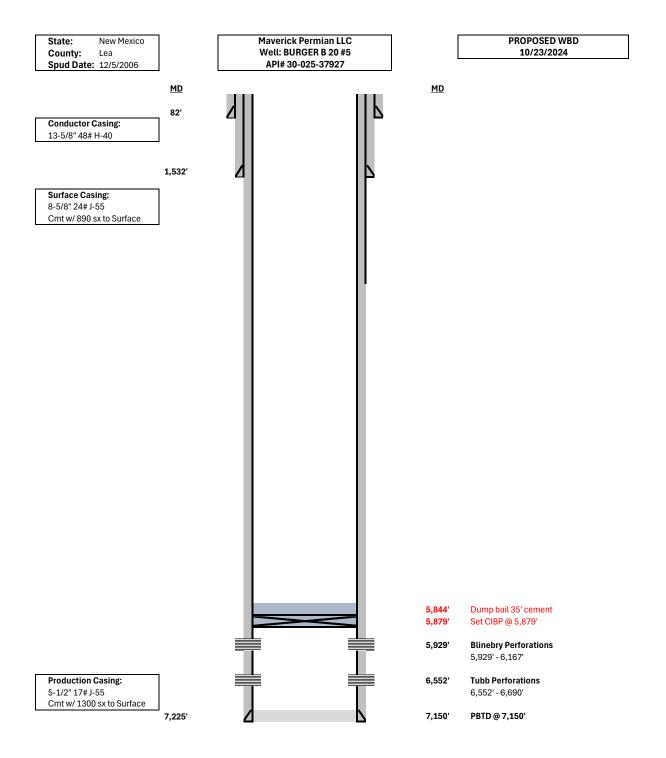
 $0. \ SHL: \ NENE \ / \ 990 \ FNL \ / \ 990 \ FEL \ / \ TWSP: \ 20S \ / \ RANGE: \ 38E \ / \ SECTION: \ 20 \ / \ LAT: \ 32.5631563 \ / \ LONG: \ -103.1653557 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$   $BHL: \ NENE \ / \ 990 \ FNL \ / \ 990 \ FEL \ / \ TWSP: \ 20S \ / \ SECTION: \ / \ LAT: \ 0.0 \ / \ LONG: \ 0.0 \ ( \ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$ 



1111 Bagby Street • Suite 1600 Houston • Texas • 77002 713-437-8000

# Burger B 20 #5 TA Procedure

- 1. MIRU WOR & equipment.
- 2. Lock out/tag out pumping unit. Kill well if necessary.
- 3. Unlatch rods. LD horse head.
- 4. PU rods to verify if pump will unseat.
- 5. If severe paraffin encountered, use hot oil unit to pump hot lease salt water down tubing to wash rods.
- 6. TOOH, visually inspecting, verifying count, and kicking out any rods with visible damage or pitting.
- 7. Send insert pump to pump shop.
- 8. ND WH. NU BOP's.
- 9. Release TAC if present.
- 10. Scan tubing out of hole and note condition of tubing and BHA.
- 11. Set CIBP within 50' of top perf at 5,879'.
- 12. Bail 35' of cement on top of plug.
- 13. TIH to tag top of cement. POOH with tubing.
- 14. Perform pressure test to verify integrity.
- 15. RDMO WOR & equipment.



# MAVERICK NATURAL RESOURCES

#### BURGER B-20 05 Wellbore Diagram

| Well Header |                  |                  |          |                      |                    |
|-------------|------------------|------------------|----------|----------------------|--------------------|
| API#        | State            | County           |          | District             |                    |
| 3002537927  | NEW MEXICO       | LEA              |          | PERMIAN CONVENTIONAL |                    |
| Division    | Business Unit    | Region           | Area     |                      | Total Depth (ftKB) |
| PERMIAN     | MAVERICK PERMIAN | RG_SE_NEW_MEXICO | A_NM_SCA | TTERED               | 7,230.0            |
|             |                  |                  |          |                      |                    |

| Wellbore Sections Section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                | 6,552.0<br>Re-Pei<br>6,586.0<br>1/17/2/2<br>Perfora<br>6,586.0<br>Re-Pei<br>6,618.0<br>Perfora<br>6,618.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Jeb REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing sub marker Tubing Tubing Sub marker Tubing TK-99 Tubing Seating Nipple Tubing Sub Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                              | 6,552.0-6,690.0;<br>138.00<br>TUBB;                     | engeneration and the background and increases and and an anades and the background and the background and an anades an anades and an anades an |                                | 6,552.1<br>Re-Per<br>6,586.1<br>1/17/2/<br>Perfora<br>6,686.1<br>1/17/2/<br>Perfora<br>6,618.1<br>Perfora<br>6,62.1<br>Perfora<br>6,673.1<br>Re-Per                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Jeb REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing sub marker Tubing Tubing Sub marker Tubing TK-99 Tubing Seating Nipple Tubing Sub Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                  | 6,552.0-6,690.0;<br>138.00<br>TUBB;                     | to temperature and temperature and temperature and temperature and temperature and temperature and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                | 6,552.1<br>Re-Pei<br>6,586.1<br>1/17/2<br>Perfora<br>6,618.1<br>Perfora<br>6,618.1<br>Perfora<br>6,673.1<br>Re-Pei<br>6,673.1<br>Re-Pei<br>6,673.1<br>Re-Pei<br>6,673.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Jeb REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing sub marker Tubing Tubing Sub marker Tubing TK-99 Tubing Seating Nipple Tubing Sub Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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6,552.1<br>Re-Pei<br>6,586.1<br>1/17/22<br>Perfora<br>6,586.1<br>1/17/22<br>Perfora<br>6,618.1<br>Perfora<br>6,62.1<br>Perfora<br>6,682.1<br>Perfora<br>6,682.1<br>Perfora<br>6,682.1<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfora<br>1/17/22<br>Perfo 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| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Jeb REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing sub marker Tubing Tubing Sub marker Tubing TK-99 Tubing Seating Nipple Tubing Sub Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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14HBC-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20-3hdling-20   | 7,229.2  (TLen (ft) 6,782.97  Birm (TVD) (ft/KB) 5,802.4 5,802.4 5,802.4 6,709.8 6,710.9 6,735.2 6,793.5 6,794.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                | 6,552.1<br>Re-Pei<br>6,586.1<br>1/17/2/<br>Perfors<br>6,686.1<br>1/17/2/<br>Perfors<br>6,618.1<br>Perfors<br>6,673.1<br>Re-Pei<br>6,673.1<br>Re-Pei<br>6,682.1<br>1/17/2/<br>Perfors<br>6,682.1                                                                                                                                                                                                       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| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Jeb REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing sub marker Tubing Tubing Sub marker Tubing TK-99 Tubing Seating Nipple Tubing Sub Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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Re-Pe 6,586. 1/17/2 Perfor. 6,586. Re-Pe 6,618. 1/17/2 Perfor. 6,662.  Perfor. 6,682. 1/17/2 Perfor. 6,682. 1/17/2 Perfor. 6,682. Perfor. 6,682. Perfor. 6,682. Perfor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Jeb REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing sub marker Tubing Tubing Sub marker Tubing TK-99 Tubing Seating Nipple Tubing Sub Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12.0   Top (MKB)   | Set Depth   6,794.2     Top (TVD)   (mKB)   12.0     5,802.4   5,810.5     5,874.9   5,874.9     6,678.3   6,709.8     6,715.0   6,735.2     6,793.5     6,793.5     6,793.6     7,709.8     8,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8     9,709.8   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                                                                                                                                                                                                              | 6,552.0-6,690.0;<br>138.00<br>TUBB;                     | en e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                | Re-Pei<br>6,586.<br>1/1/7/2/<br>Perfora<br>6,686.<br>1/1/7/2/<br>Perfora<br>6,618.<br>Perfora<br>6,662.<br>Perfora<br>6,662.<br>Perfora<br>6,682.<br>1/1/7/2/<br>Perfora<br>6,682.<br>1/1/7/2/<br>Perfora<br>6,682.<br>1/1/7/2/<br>Perfora<br>6,682.<br>1/1/7/2/<br>Perfora<br>6,682.<br>1/1/7/2/<br>Perfora<br>6,682.<br>1/1/7/2/<br>Perfora<br>6,682.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>Perfora<br>6,683.<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1/1/7/2/<br>1                                                                                        |
| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Jeb REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing sub marker Tubing Tubing Sub marker Tubing TK-99 Tubing Seating Nipple Tubing Sub Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                                                                              | 6,552.0-6,690.0;<br>138.00<br>TUBB;                     | en en la la la la la la consensa la la la consensa la la consensa la                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                | Perfora 6,582.0 Re-Per 6,586.0 1/177/2 Perfora 6,586.1 1/177/2 Perfora 6,618.0 Perfora 6,682.0 Perfora 6,682.0 Perfora 6,682.0 Perfora 6,682.0 1/17/2 Perfora 6,682.0 1/17/2 Perfora 6,687.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Jeb REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing sub marker Tubing Tubing Sub marker Tubing TK-99 Tubing Seating Nipple Tubing Sub Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                                                                                                                                                                                                                        | P   Top (filkf)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  1,5,184.7  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                                                                                                                                                                                                            | 6,552.0-6,690.0;<br>138.00<br>TUBB;                     | en less and less des consentes and less accesses and less accesses and less accesses and less and less and less                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                | Re-Per<br>6,586.0<br>1/17/22<br>Perfora<br>6,586.0<br>Re-Per<br>6,618.0<br>1/17/22<br>Perfora<br>6,618.0<br>Perfora<br>6,662.0<br>Perfora<br>6,682.0<br>1/17/22<br>Perfora<br>6,682.0<br>Perfora<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0<br>Re-Perfora<br>6,682.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Jeb REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing sub marker Tubing Tubing Sub marker Tubing TK-99 Tubing Seating Nipple Tubing Sub Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OD (in) 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 2 7/8 DAUNH PAUNH PAUN | ID (in) 2.44 2.44 2.44 2.44 2.44 2.44 2.44 2.4              | Wt (Ib/ft) 6.50 6.50 6.50 6.50 6.50 6.50 6.50 1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | P   Top (filkf)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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 77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2 | Top (ft/KB)    Top (ft/KB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12.0   Too (MKB)   | Set Depth   6,794.2     Top (TVD)   (((KB))   12.0     5,802.4     5,810.5     5,874.9     5,874.9     6,678.3     6,709.8     6,715.0     6,735.2     6,735.2     6,793.5     6,709.8     6,709.8     6,715.0     6,715.0     6,735.2     6,793.5     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     7,735.2     | 7,229.2  (TLen (ft) 6,782.97  (TWS) 6,782.97  (TWS) 5,810.5  5,874.9  5,877.6  6,678.3  6,799.8  6,710.9  6,715.0  6,735.2  6,794.2  (TWS) 5,816.6  (TWS) 6,794.2  (TWS) 6,794.2  (TWS) 6,794.2  (TWS) 6,794.2                                                                                                                                                                                                             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                                                      | 6,552.0-6,690.0;<br>138.00<br>TUBB;                     | en e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                | 6,552.0  Re-Pei 6,586.1  1/17/2  Perfora 6,681.1  Perfora 6,662.1  Perfora 6,682.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 1 12/21/200 Tubing Strings Set Depth: 6,795.0 Run Job REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing Tubing Tubing sub marker Tubing TK-99 Tubing TK-90 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Len (ft) 5,790.78 8.10 64.40 2.70 801.00 31.50 1.10 4.10 20.20 58.35 0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                                                                                                                                                                                                                                              |                                | 6,552.0  Re-Pei 6,586.1  1/17/2  Perfora 6,681.1  Perfora 6,662.1  Perfora 6,682.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 1   12/21/200 Tubing Strings Set Depth: 6,795.0 Run Job REPAIR DOWNHOL FAILURE, 3/30/2010 11:00 Item Des Tubing Tubing sub marker Tubing Anchor/catcher Tubing Seating Nipple Tubing SUB Cavens desander (D Tubing Fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description Rod                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | String   Str | Len (ft)<br>5,790.78<br>8.10<br>64.40<br>2.70<br>801.00<br>31.50<br>1.10<br>4.10<br>20.20<br>58.35<br>0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                                                                                                                                                                                                                                                           | Bitm (RKB   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2 | Top (fikis)  String Grade  J-55  Top (fikis)  12.0  5.802.8  5.810.9  5.875.3  6.679.0  6.710.5  6.710.5  6.714.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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Top (IMS)  Btm (IMS) 5,802.8. 5,810.9 5,878.0. 6,679.0 6,670.5. 6,755.9 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 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6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6, | Set Depth   6,794,2     Top (TVD)   (flittle)   12,0     5,802,4     5,810.5     5,874,9     5,874,9     6,775.0     6,715.0     6,715.0     6,735.2     6,793.5     6,793.5     6,793.5     6,793.6     7,90.7     7,90.7     8,790.7     9,790.7     9,790.7     9,790.7     9,790.7     9,790.7     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     19,60     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70     10,70       | T,229.2  (T Len (ff) 6,782.97  (F Len (ff) 6,783.97  (F Len (ff) 6 | 6,527.6 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 . 6,550.8 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                | 6,552.0  Re-Pei 6,586.1  1/17/2  Perfora 6,681.1  Perfora 6,662.1  Perfora 6,682.1                                                                                                                                                                                                          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| 1   12/21/200 Tubing Strings Set Depth: 6,795.0 Run Job REPAIR DOWNHOL FAILURE, 3/30/2010 11:00 Item Des Tubing Tubing sub marker Tubing Anchor/catcher Tubing Seating Nipple Tubing SUB Cavens desander (D Tubing SUB Cavens desander (D Tubing Fix-99 Tubing Seating Nipple Tubing SUB Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description Rod                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                              | Len (ft) 5,790.78 8.10 64.40 2.70 801.00 31.50 1.10 4.10 20.20 58.35 0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2 | Top (fikis)  String Grade  J-55  Top (fikis)  12.0  5.802.8  5.810.9  5.875.3  6.679.0  6.710.5  6.710.5  6.714.3                                                                                                                                                                                                                                                                                                                                                                                                                                                        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Top (IMS)  Btm (IMS) 5,802.8. 5,810.9 5,878.0. 6,679.0 6,670.5. 6,755.9 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6, | Set Depth   6,794.2     Top (TVD)   (mK3)     12.0     5,802.4     5,871.6     6,779.3     6,715.0     6,715.0     6,735.2     6,793.5     80d Inser HBC-29     80d Sued Rod   | T,229.2  (T Len (ft) 6,782.97  (F Len (ft) 6,782.97  (F Len (ft) 6,782.97  (F Len (ft) 6,783.97  (F Len (ft) 6,783.97  (F Len (ft) 6,749.97  (F Len (ft) 6 | 6,5276 6,5395 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,5596 6,                                                                                                                                                                                                                                                                                                                                                                                 | 6,552.0-6,690.0;<br>138.00<br>TUBB;                     | enconnection to the test of the second of the second or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                | 6,552.0<br>Re-Pei<br>6,586.0<br>Perfora<br>6,586.1<br>Re-Pei<br>6,618.0<br>1/17/22<br>Perfora<br>6,622.0<br>Perfora<br>6,682.0<br>Perfora<br>6,682.0<br>Perfora<br>6,682.0<br>Perfora<br>6,682.0<br>Re-Pei<br>6,682.0<br>Perfora<br>6,682.0<br>Re-Pei<br>6,682.0<br>Perfora<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0<br>Re-Pei<br>6,682.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1   12/21/200 Tubing Strings Set Depth: 6,795.0 Run Job REPAIR DOWNHOL FAILURE, 3/30/2010 11:00 Item Des Tubing Tubing sub marker Tubing Anchor/catcher Tubing Seating Nipple Tubing SUB Cavens desander (D Tubing SUB Cavens desander (D Tubing fiberglass Purge valve Rod Strings Set Depth: 6,713.6 Rod Description Rod                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | String   String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Len (ft) 5,790.78 8.10 64.40 2.70 801.00 31.50 1.10 4.10 20.20 58.35 0.74  Quantity 1 Quantity 1 Quantity 1 Quantity 1 Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| P Top (fitKl  ID (in) 2.44  Grad  J J-55 J J |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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 77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2  | Top D (6.4 Top D 19.6  | 12. Top (MKB)  Btm (MKB).  5.502.8 5.810.9  5.502.8 5.875.3  5.578.0  6.7710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.710.5  6.71 | Top (TVD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | T,229.2  (T Len (ft) 6,782.97  (F) 6,782.97  (F) 5,802.4  5,810.5  5,874.9  5,874.9  5,874.9  6,779.8  6,779.8  6,7715.0  6,735.2  6,794.2  (F) 6,795.5  6,794.2  (F) 6,795.5  (F) 6,795.5  (F) 6,795.7  (F) 7,975.7  (F) 7,975.7  (F) 8, Sinker b, Sinker b | 6,527.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 6,559.6 . 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                | 6,552.0<br>Re-Pei<br>6,586.0<br>1/17/20<br>Perfors<br>6,586.1<br>1/17/20<br>Perfors<br>6,618.0<br>Perfors<br>6,62.0<br>Perfors<br>6,673.0<br>Re-Pei<br>6,682.0<br>1/17/20<br>Perfors<br>6,682.0<br>1/17/20<br>Perfors<br>6,682.0<br>1/17/20<br>Perfors<br>6,682.0<br>1/17/20<br>Perfors<br>6,682.0<br>1/17/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1   12/21/200   Tubing Strings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | String   String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Len (ft) 5,790.78 8.10 64.40 2.70 801.00 31.50 1.10 4.10 20.20 58.35 0.74  Run Date 4/5/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pumj   Pumj                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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6,5598 - 6,5598 - 6,5                                                                                                                                                                                                                                                                                                                                                                                 | 6,552.0-6,690.0;<br>138.00<br>TUBB;                     | No contraction of the contractio |                                | 6,552.0<br>Re-Pei<br>6,586.0<br>Perfor<br>6,586.1<br>1/17/20<br>Ferfor<br>6,618.0<br>Perfor<br>6,682.0<br>Perfor<br>6,682.0<br>Perfor<br>6,682.0<br>Perfor<br>6,682.0<br>Perfor<br>6,682.0<br>Perfor<br>6,682.0<br>Perfor<br>1/17/20<br>Ferfor<br>6,682.0<br>Perfor<br>1/17/20<br>Ferfor<br>6,687.0<br>Perfor<br>1/17/20<br>Ferfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Perfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Perfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfor<br>6,687.0<br>Ferfo |
| 1   12/21/200   Tubing Strings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                                                                                                                                                                                                                                                                                                       | Grade | Btm (RKB   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   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77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2  | Top 0 (RKB) 12.0 (RKB) | 12 Too (MKB)  Btm (MKB) 5,802.8 5,810.9 5,807.8 5,810.9 5,878.0 6,679.0 6,710.5 6,716.7 6,715.7 6,735.9 6,794.3 6,795.0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Set Depth   6,794.2     Top (TVD)   (first)   12.0     5,802.4     5,810.5     5,874.6     6,779.3     6,715.0     6,735.2     6,793.5     7,978.2     8,740.2     9,798.2     9,798.2     1,98.2     9,798.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     | T,229.2  T Len (ff) 6,782.97  BIIm (TVD) (ff/KB) 5,802.4  5,810.5  5,874.9  6,678.3  6,709.8  6,678.3  6,715.0  6,735.2  1,6794.2  T Len (ff) 6,735.2  1,6794.2  T Len (ff) 6,794.2  T Len (ff) 6,798.8  T Len | 6,527.6 . 6,529.5 . 6,559.6 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 6,559.5 . 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                                                                                                                                                | 6,552.0-6,690.0;<br>138.00<br>TUBB;<br>6,552.0-6,690.0; | No contraction of the contractio |                                | 6,552.0<br>Re-Pei<br>6,586.0<br>1/17/20<br>Perfore<br>6,618.0<br>Perfore<br>6,618.0<br>Perfore<br>6,682.0<br>Perfore<br>6,682.0<br>Perfore<br>6,682.0<br>1/17/20<br>Perfore<br>6,682.0<br>1/17/20<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,687.0<br>Perfore<br>6,68                                                                                                                                                                                                                                                                                                                                                                           |
| 1   12/21/200   Tubing Strings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Set Deptr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Len (ft) 5,790.78 8.10 64.40 2.70 801.00 31.50 1.10 4.10 20.20 58.35 0.74  Quantity 1 Quantity 1 Quantity 2 Quantity 84 Quantity 84 Quantity 84 Quantity 84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Pumy //21/2006    S   2   2   2   2   2   2   2   2   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ID (in) 2.44 2.44 2.44 2.44 2.44 2.44 2.44 2.4              | Wt (birt) 6.5.6.5.6.5.6.5.6.5.6.5.6.5.6.5.6.5.6.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | P   Top (ftKl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2  | Top 0 (RKB) 12.0 (RKB) | 12.0   Top (MKB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Set Depth   6,794.2     Top (TVD)   (first)   12.0     5,802.4     5,810.5     5,874.6     6,779.3     6,715.0     6,735.2     6,793.5     7,978.2     8,740.2     9,798.2     9,798.2     1,98.2     9,798.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     1,98.2     | T,229.2  (T Len (ft) 6,782.97  (T S) 6,783.97  (T S) 6,794.2  (T S) 6,794 | 6,5276 6,529 5 6,539 5 6,534 5 6,534 6 6,534 7 6,543 7 6,543 7 6,543 7 6,543 7 6,543 7 6,543 7 6,543 7 6,544 7 6,544 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7 6,545 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6,552.0-6,690.0;<br>138.00<br>TUBB;<br>6,552.0-6,690.0; | No contraction of the contractio |                                | 6,552.0<br>Re-Pei<br>6,586.0<br>Perfora<br>6,586.1<br>Re-Pei<br>6,618.0<br>Perfora<br>6,618.0<br>Perfora<br>6,62.0<br>Perfora<br>6,682.0<br>Perfora<br>6,682.0<br>Perfora<br>1/11/7/20<br>Perfora<br>6,682.0<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfora<br>1/11/7/20<br>Perfo                                                                                                                                  |
| Tubing Strings Set Depth: 6,795.0 Run Job REPAIR DOWNHOL FAILURE, 3/30/2010 11:00  Item Des Tubing T | String   String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Len (ft) 5,790.78 8.10 64.40 2.70 801.00 31.50 1.10 4.10 20.20 58.35 0.74  Run Date 4/5/2010  Quantify 1 Quantify 84 Quantify                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pumy //21/2006    S   2   2   2   2   2   2   2   2   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ID (in) 2.44 2.44 2.44 2.44 2.44 2.44 2.44 2.4              | Wi (birth) 6.5.6.5.6.5.6.5.6.5.6.5.6.5.6.5.6.5.6.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | P   Top (ftKl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Grade   KD   Grade   Grade   KD   Grade   Grade   KD   Grade   Grade   KD   Grade   Grad  | Btm (RKB   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2  | Top   Top (thick)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12.0   Top (MKB)   | Set Depth   6,794,2     Top (TVD)   (mK8)   12,0     5,802,4   5,810,5     5,874,6   6,678,3     6,703,5     6,715,0     6,715,0     6,715,0     6,735,2     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     6,793,5     7,715,0     7,715,0     7,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,715,0     8,7   | T,229.2  (T Len (ft) 6,782.97  (T Len (ft) 6 | 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 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                        | 6,552.0-6,690.0;<br>138.00<br>TUBB;<br>6,552.0-6,690.0; | No contraction of the contractio |                                | 6,552.0<br>Re-Pei<br>6,586.0<br>Perfor-<br>6,586.1<br>Re-Pei<br>6,618.0<br>Perfor-<br>6,682.0<br>Perfor-<br>6,682.0<br>Perfor-<br>6,682.1<br>Perfor-<br>6,682.1<br>Perfor-<br>1/11/7/20<br>Ferfor-<br>6,687.0<br>Re-Pei<br>6,687.0<br>Perfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-                                                                                                                                  |
| 1   12/21/200   Tubing Strings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Set Depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Len (ft) 5,790.78 8.10 64.40 2.70 801.00 31.50 1.10 4.10 20.20 58.35 0.74  Quantity 1 Quantity 1 Quantity 2 Quantity 84 Quantity 84 Quantity 84 Quantity 84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Pumy //21/2006    S   2   2   2   2   2   2   2   2   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | P   Top (ftKl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                           | Btm (RKB   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   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                                                                                                                                                                                                                                           | 12. Top (IKB)  Btm (IKB) 5,802.8. 5,810.9 5,810.9 5,878.0. 6,679.0 6,710.5 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 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6,755.0 6,755.0 6,755.0 6,755.0 6,755.0 6,7 | Set Depth   6,794.2     Top (TVD)   (fitt8)   12.0     5,802.4   5,810.5     5,874.9   5,877.6     6,678.3   6,709.8     6,715.0   6,715.0     6,715.0   6,735.2     6,735.2   6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     6,793.5     7,793.5     7,793.5     7,793.5     8,793.5     8,793.5     8,793.5     8,793.5     8,793.5     8,793.5     8,793.5     8,793.5     8,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     9,793.5     | T,229.2  (T Len (ft) 6,782.97  (T Len (ft) 6,782.97  (T Len (ft) 6,782.97  (T Len (ft) 6,782.97  (T Len (ft) 6,783.97  (T Len (ft) 5,807.69  (T Len (ft) 5,807.69  (T Len (ft) 5,807.69  (T Len (ft) 6,793.97  (T Len (ft) 6 | 6,5276 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 6,5598 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6,552.0<br>Re-Pei<br>6,586.0<br>Perfor-<br>6,586.1<br>Re-Pei<br>6,618.0<br>Perfor-<br>6,682.0<br>Perfor-<br>6,682.0<br>Perfor-<br>6,682.1<br>Perfor-<br>6,682.1<br>Perfor-<br>1/11/7/20<br>Ferfor-<br>6,687.0<br>Re-Pei<br>6,687.0<br>Perfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-<br>1/11/7/20<br>Ferfor-                                                                                                                                  |
| 1   12/21/200   Tubing Strings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Len (ft) 5,790.78 8.10 64.40 2.70 801.00 31.50 1.10 4.10 20.20 58.35 0.74  Quantity 1 Quantity 1 Quantity 1 Quantity 84 Quantity 86 Quantity 86 Quantity 86 Quantity 86 Quantity 86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pumy //21/2006    S   2   2   2   2   2   2   2   2   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                                                                                                                                                                                            | P   Top (ftKl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Grade Grade KD Grade | Btm (RKB   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12. Too (MKB)  Bbm (MKB) 5,802.8 5,810.9 5,802.8 5,810.9 6,870.0 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 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6,710.5 6,710.5 6,710.5 6,710.5 6,710.5 6,710 | Top (TVD) ((MKB)   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12.0   12   | T,229.2  (T Len (ft) 6,782.97  (T Len (ft) 6,782.97  (T Len (ft) 6,782.97  (T Len (ft) 6,782.97  (T Len (ft) 6,783.97  (T Len (ft) 5,807.69  (T Len (ft) 5,807.69  (T Len (ft) 5,807.69  (T Len (ft) 6,793.97  (T Len (ft) 6 | 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 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6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.6 . 6,527.                                                                                                                                                                                                                                                                                                                                                                                 | 6,552.0-6,690.0;<br>138.00<br>TUBB;<br>6,552.0-6,690.0; | No contraction of the contractio |                                | 6,552.0  Re-Pei 6,586.0  Re-Pei 6,618.0  Perfora 6,618.0  Perfora 6,618.0  Perfora 6,682.0  Perfora 6,682.0  Perfora 1/11/7/20  5; Tubi Produc 1.5; 12  Produc Cemer 7,179.0  12/21/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| 1   12/21/200   Tubing Strings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | String   String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Len (ft) 5,790.78 8.10 64.40 2.70 801.00 31.50 1.10 4.10 20.20 58.35 0.74  Cuantit) 1 Cuantit) 1 Cuantit) 1 Cuantit) 1 Cuantit) 8 Cuantit) 1 Cuantit 1 | Pumy //21/2006    S   2   2   2   2   2   2   2   2   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ID (in) 2.44 2.44 2.44 2.44 2.44 2.44 2.44 2.4              | Weighth Weight | P   Top (ftKl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Carade   C  | Btm (RKB   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2   77,2  | Top D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12. Top (IKB) 12.0 Single (IKB) 15. Sing | Top (TVD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | T,229.2  (T Len (ft) 6,782.97  (T Len (ft) 6,782.97  (T Len (ft) 6,782.97  (T Len (ft) 6,782.97  (T Len (ft) 6,783.97  (T Len (ft) 5,807.6  (T Len (ft) 6,794.9  (T Len (ft) 6,79 | 6,527.6 . 6,509.8 . 6,509.8 . 6,509.8 . 6,509.8 . 6,509.8 . 6,509.8 . 6,509.8 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.8 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.9 . 6,509.                                                                                                                                                                                                                                                                                                                                                                                 | 6,552.0-6,690.0;<br>138.00<br>TUBB;<br>6,552.0-6,690.0; | No contraction of the contractio |                                | 6,552.0<br>Re-Per<br>6,586.0<br>1/17/22<br>Perfora<br>6,586.0<br>Re-Per<br>6,618.0<br>1/17/22<br>Perfora<br>6,662.0<br>Perfora<br>6,682.0<br>1/17/22<br>Perfora<br>6,682.0<br>Perfora<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0<br>Re-Per<br>6,682.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

# MAVERICK NATURAL RESOURCES

#### BURGER B-20 05 Wellbore Diagram

| API# State                                | 10             | County                      | District             |                               |
|-------------------------------------------|----------------|-----------------------------|----------------------|-------------------------------|
|                                           | MEXICO         | LEA                         | PERMIAN CONVENTIONAL |                               |
| Division Business Unit PERMIAN MAVERICK F | Region RG_SE_I | NEW_MEXICO Area<br>A_NM_SCA | ATTERED              | Total Depth (ftKB)<br>7,230.0 |

| Company   Comp                                                                                                                                                                                                                                                                 | 2.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  | Weight/Length ( | ,,,,,, | Grade<br>KD | 6,527               | oth (ftKB)<br>.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                                                                                                                                                                                                                                                                                            | OD Non                                                                                                                                       | ninal (in)                                 | Quantity<br>1                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  | Weight/Length ( | lb/ft) |             | Top Dep             | th (ftKB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| 98.00 0.75 Ind 907.96 0.00 9.54 1.223.00 1.00 Ind 1,222.96 0.0.08 14.35 1.523.00 0.75 Ind 1,522.96 0.0.08 18.93 1.744.00 0.25 Ind 1,743.95 0.0.00 19.95 0.0.00 19.95 1.75 Ind 2,217.95 0.0.00 1.75 Ind 2,217.95 0.0.00 1.75 Ind 2,217.95 0.0.11 3.767 1.75 Ind 2,217.95 0.0.11 3.75 1.00 Ind 3,319.80 0.0.00 44.13 1.289.82 0.0.00 1.00 Ind 3,319.80 0.0.00 1.00 Ind 3,319.80 0.0.00 1.00 Ind 3,319.80 0.0.00 1.00 Ind 3,384.78 0.0.00 1.00 Ind 3,884.78 0.0.00 1.00 Ind 3,884.78 0.0.11 61.50 1.00 Ind 4,600.78 0.0.11 61.50 1.00 Ind 4,600.78 0.0.11 61.50 1.00 Ind 5,885.78 0.0.11 61.50 1.50 1.00 Ind 5,885.78 0.0.11 61.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50                                                                                                                                                                                                                                                                                                                                                                     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| 2,693.00 2.00 Incl 2,692.94 0.11 37.67 2,878.00 2.00 Incl 2,877.82 0.00 44.13 2,893.00 1.00 Incl 2,892.82 6.6.67 44.52 3,020.00 1.00 Incl 3,019.80 0.00 49.01 3,150.00 1.00 Incl 3,149.78 0.00 49.01 3,368.00 0.75 Incl 3,585.78 0.13 54.31 3,843.00 1.00 Incl 3,842.78 0.10 58.23 4,667.00 0.75 Incl 4,670.74 0.00 68.24 4,657.00 0.75 Incl 4,570.74 0.00 68.24 5,101.00 1.50 Incl 5,009.72 0.11 61.50 5,101.00 1.75 Incl 5,486.72 0.05 90.38 5,706.00 1.75 Incl 5,486.72 0.05 90.38 5,706.00 1.75 Incl 5,800.58 0.00 99.97 5,801.00 1.75 Incl 6,582.04.685.0 0.00 99.97 5,801.00 1.75 Incl 6,582.74 0.00 0.00 99.97 5,801.00 1.75 Incl 6,580.58 0.00 99.97 5,801.00 1.75 Incl 6,580.58 0.00 99.97 5,801.00 1.75 Incl 6,580.58 0.00 99.97 5,801.00 1.75 Incl 6,587.25 0.00 0.00 99.97 5,801.00 1.75 Incl 6,684.07 0.00 0.00 99.97 5,801.00 0.00 1.00 0.00 0.00 0.00 0.00 0.0                                                                                                                                                          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ORIO<br>190.99<br>424.98<br>654.98<br>907.96<br>1,222.96<br>1,743.95<br>1,996.95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (°/100ft) Tur<br>0.00<br>0.52<br>-0.32<br>0.22<br>0.00<br>0.08<br>-0.08<br>-0.23<br>0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| erenerates des este este este este este este es                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D<br>D      | 6,552.0-6,558.0;<br>Re-Perforated;<br>6,586.0-6,591.0;<br>1/17/2007<br>Perforated;<br>6,586.0-6,591.0;<br>Re-Perforated;<br>6,618.0-6,624.0;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| 2,878.00 2.00 Incl 2,877.82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MD (ft(R) In 0.00 191.00 425.00 655.00 908.00 1,223.00 1,744.00 1,997.00 2,218.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | ("/100ft) Tur<br>0.00<br>0.52<br>-0.32<br>0.22<br>0.00<br>0.08<br>-0.08<br>-0.23<br>0.00<br>0.34                                                                                                                                                                                                                                   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| 3,020.00 1.00 Incl 3,019.80 0.00 46.74 3,150.00 1.00 Incl 3,149.78 0.00 49.01 3,360.00 0.50 Incl 3,399.78 0.020 52.28 3,586.00 0.75 Incl 3,585.78 0.13 54.31 3,843.00 1.00 Incl 4,570.74 0.10 58.23 4,061.00 0.75 Incl 4,660.78 0.00 68.24 4,061.00 0.75 Incl 4,570.74 0.00 68.24 5,010.00 1.50 Incl 5,009.72 0.01 Find 5,486.72 0.05 90.38 5,706.00 1.75 Incl 5,486.72 0.00 99.97 5,880.00 1.75 Incl 5,800.58 0.00 99.97 5,880.00 1.75 Incl 5,800.58 0.00 99.97 6,055.00 2.00 Incl 6,054.57 0.00 115.93 6,274.00 2.00 Incl 6,273.44 0.00 115.93 6,274.00 2.00 Incl 6,587.25 0.00 126.88 6,274.00 2.00 Incl 6,587.25 0.00 126.88 6,715.00 1.25 Incl 6,998.24 0.18 137.99 6,999.00 1.75 Incl 6,998.24 0.18 137.99                                                                                                                                                                                                                                                                                                                       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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100ft) Tur<br>0.00<br>0.52<br>-0.32<br>0.22<br>0.00<br>0.08<br>-0.08<br>-0.23<br>0.00<br>0.34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | n (°/100ft)     | Unwrap<br>Displace (ft)<br>0.00<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54                                                                                                                                                                                                                                                                                                                                                                                                                                              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| 3,150.00 1.00   Incl   3,149.78   0.00   49.01   6.662.1   9.670.20   6.22.8   6.662.0 - 6.664.0   9.673.0 - 6.673.0 - 6.673.0 - 6.672.0   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.0                                                                                                                                                                                                                                                               | MD (flkB) In 0.00 191.00 425.00 655.00 908.00 1,223.00 1,744.00 1,797.00 2,218.00 2,475.00 2,693.00 2,878.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ORIG<br>TVD (ffKB)<br>0.00<br>190.99<br>424.98<br>654.98<br>907.96<br>1,222.96<br>1,522.96<br>1,743.95<br>1,743.95<br>2,217.95<br>2,474.94<br>2,692.94<br>2,877.82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/1008) Tur<br>0.00<br>0.52<br>-0.32<br>0.22<br>0.00<br>0.08<br>-0.08<br>-0.08<br>-0.23<br>0.00<br>0.34<br>0.29<br>0.11<br>0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | n (°/100ft)     | Unwrap<br>Displace (ft)<br>0.00<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>20.86<br>21.96<br>24.37<br>30.54<br>44.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 138.00<br>TUBB;                     | esecuciones este este este este este este este e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D<br>D      | 6,552.0-6,558.0;  Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,586.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; 1/17/2007 Perforated;                                                                                                                                                                                                                               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| 3,386.00 0.75 Incl 3,585.78 0.13 54.31 6.66.0 0.75 Incl 4,060.78 0.00 68.23 6.672 6.673.0 6.670.0 0.75 Incl 4,060.78 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 68.24 6.673.0 0.00 6.670.0 0.00 69.07 6.676.0 6.675.0 0.00 6.676.0 6.675.0 6.675.0 6.675.0 6.675.0 6.00 6.00 6.00 6.00 6.00 6.00 6.00 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MD (flkB) In 0.00 In 0 | 0.00<br>1.00<br>0.25<br>0.75<br>0.75<br>1.00<br>0.75<br>0.25<br>1.00<br>1.75<br>2.00<br>2.00<br>1.00                                         | 10                                         | nd n                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ORIG<br>0.00<br>190.99<br>424.98<br>654.98<br>907.96<br>1,222.96<br>1,522.96<br>1,743.95<br>2,217.95<br>2,2474.94<br>2,692.94<br>2,877.82<br>2,892.82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/1008) Tur<br>0.00<br>0.52<br>-0.32<br>0.22<br>0.22<br>0.00<br>0.08<br>-0.08<br>-0.23<br>0.00<br>0.34<br>0.29<br>0.11<br>0.00<br>-6.67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | n (°/100ft)     | Unwrap<br>Displace (ft)<br>0.00<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>37.67<br>44.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 138.00<br>TUBB;                     | anananan dan dan dan denanananan juan pananananan dan sandanananan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D<br>D<br>D | 6,552.0-6,558.0;  Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,586.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; 1/17/2007 Perforated;                                                                                                                                                                                                                                                     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| 3,883.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MD (fikB) In 0.00 191.00 425.00 655.00 908.00 1,223.00 1,233.00 1,744.00 1,997.00 2,218.00 2,693.00 2,893.00 3,020.00 3,150.00 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.00<br>1.00<br>0.25<br>0.75<br>0.75<br>1.00<br>0.75<br>0.25<br>0.25<br>1.00<br>1.75<br>2.00<br>2.00<br>1.00                                 | 10                                         | ned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ORIO<br>190.99<br>424.98<br>654.98<br>907.96<br>1,222.96<br>1,522.96<br>1,743.95<br>2,217.95<br>2,474.94<br>2,872.82<br>3,019.80<br>3,149.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100ft) Tur<br>0.00<br>0.52<br>-0.32<br>0.00<br>0.08<br>-0.08<br>-0.08<br>-0.23<br>0.00<br>0.34<br>0.29<br>0.11<br>0.00<br>-6.67<br>0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | n (°/100ft)     | Unwrap<br>Displace (ft)<br>0.00<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>44.13<br>44.52<br>46.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6,551.8 - 6,556.8 - 6,556.1 - 6,556.1 - 6,556.0 - 6,560.0 - 6,560.0 - 6,560.0 - 6,610.6 - 6,610.6 - 6,610.6 - 6,624.0 - 6,625.5 - 6,635.5 - 6,637.5 - 6,662.1 - 6,662.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 138.00<br>TUBB;                     | esessesses jas jas jas assessesses jas jassessesses jas sesionesesses ja                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D<br>D<br>D | 6,552.0-6,558.0;  Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,586.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; 1/17/2007 Perforated; 6,618.0-6,624.0;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4,061.00 0.75 Incl 4,060.78 -0.11 61.56 6.73.0-6.676.0; Re.Perforated; 6,673.0-6.676.0; Re.Perforated; 6,670.0-6.676.0; Re.Perforated; 6,710.0-6.676.0; Re.Perforated; 6,670.0-6.676.0; Re.Perforated; 6,710.0-6.00.0; Re.Perforated; 6,710.0-6.00.0; Re.Perforated; 6,710.0-6.00.0; Re.Perfor                                                                                                                                                                                                                                                               | MD (#KB) In 0.00 In 0. | 0.00<br>1.00<br>0.25<br>0.75<br>1.00<br>0.75<br>1.00<br>0.75<br>0.25<br>0.25<br>1.00<br>1.75<br>2.00<br>2.00<br>1.00<br>1.00                 | 10                                         | ned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ORIO<br>190.99<br>424.98<br>654.98<br>907.96<br>1,222.96<br>1,522.96<br>1,743.95<br>2,217.95<br>2,474.94<br>2,692.94<br>2,877.82<br>2,8792.82<br>3,019.80<br>3,149.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (7/100R) Tur<br>0.00<br>0.52<br>-0.32<br>0.22<br>0.00<br>0.08<br>-0.23<br>0.00<br>0.34<br>0.29<br>0.11<br>0.00<br>-6.67<br>0.00<br>-0.00<br>-0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | n (°/100ft)     | University Displace (f) 0.00 0.00 1.67 4.22 6.23 9.54 14.35 18.93 20.86 21.96 24.37 30.54 44.13 44.52 46.74 49.01 52.28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6,551.8 - 6,556.8 - 6,556.1 - 6,556.1 - 6,556.0 - 6,556.0 - 6,550.9 - 6,608.6 - 6,610.6 - 6,610.6 - 6,624.0 - 6,625.5 - 6,637.5 - 6,662.1 - 6,662.7 - 6,662.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 138.00<br>TUBB;                     | entrantensis <mark>ses ses ses presentations per processores ses entrantes ses ses</mark> ses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             | Re-Perforated;<br>6,586.0-6,591.0;<br>1/17/2007<br>Perforated;<br>6,586.0-6,591.0;<br>Re-Perforated;<br>6,618.0-6,624.0;<br>1/17/2007<br>Perforated;<br>6,618.0-6,624.0;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5,010.00 1.50 Incl 5,009.72 0.17 76.86 6.67.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MD (fikB) in 0.00 191.00 425.00 655.00 908.00 1,223.00 1,523.00 1,744.00 1,744.00 2,475.00 2,878.00 2,878.00 2,878.00 3,150.00 3,350.00 3,350.00 3,3586.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.00<br>1.00<br>0.25<br>0.75<br>1.00<br>0.75<br>0.25<br>0.25<br>1.00<br>1.75<br>2.00<br>2.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00 | 10                                         | ned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ORIO<br>190.99<br>424.98<br>654.98<br>907.96<br>1,222.96<br>1,522.96<br>1,743.95<br>1,996.95<br>2,477.95<br>2,474.94<br>2,692.94<br>2,692.94<br>2,692.94<br>3,3149.78<br>3,349.78<br>3,399.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100#) Tur<br>0.00<br>0.52<br>-0.32<br>0.22<br>0.00<br>0.08<br>-0.08<br>-0.08<br>-0.00<br>0.34<br>0.29<br>0.11<br>0.00<br>-6.67<br>0.00<br>0.00<br>0.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | n (°/100ft)     | Ulmrara<br>Displace (f)<br>0.00<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>44.13<br>44.52<br>46.74<br>49.01<br>52.28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6,551.8 - 6,556.8 - 6,556.1 - 6,556.1 - 6,556.0 - 6,566.0 - 6,566.6 - 6,610.6 - 6,622.6 - 6,635.5 - 6,637.5 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 6,662.1 - 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 11/17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   17/2007   1                                                                                                                                                                                                                                                                 | MD (fikB) In 0.00 In 0 | 0.00 1.00 0.25 0.75 1.00 0.75 0.25 0.25 1.00 1.75 2.00 1.75 2.00 1.00 1.00 1.00 1.00 0.50 0.75                                               | 10                                         | ned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ORIO (flkB) 0.00 190.99 424.98 654.98 907.96 1,222.96 1,743.95 1,743.95 2,217.95 2,474.94 2,692.94 2,877.82 2,892.82 3,019.80 3,149.78 3,399.78 3,398.78 3,882.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/1008) Tur<br>0.00<br>0.52<br>-0.32<br>0.22<br>-0.08<br>-0.08<br>-0.08<br>-0.23<br>0.00<br>0.34<br>0.29<br>0.11<br>0.00<br>-6.67<br>0.00<br>-0.00<br>-0.20<br>0.13<br>0.00<br>-0.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | n (°/100ft)     | University Displace (f) 0.00 0.00 1.67 4.22 6.23 9.54 14.35 18.93 20.86 21.96 24.37 30.54 44.73 44.52 46.74 49.01 52.28 54.31 58.23 61.58 20.60 0.00 0.00 0.00 0.00 0.00 0.00 0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6,551.8 - 6,556.8 - 6,556.1 - 6,556.1 - 6,568.1 - 6,581.7 - 6,583.7 - 6,580.0 - 6,600.6 - 6,610.6 - 6,610.6 - 6,610.5 - 6,622.6 - 6,635.5 - 6,637.5 - 6,662.7 - 6,662.7 - 6,662.7 - 6,662.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 138.00<br>TUBB;                     | estantentes <mark>ses las constantes ses sentantes ses constantes ses constantes ses ses ses sentantes ses sentantes ses sentantes sent</mark>             |             | Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,686.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; Perforated; 6,618.0-6,624.0; Perforated; 6,662.0-6,664.0; Perforated; 6,6673.0-6,676.0;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5,706.00   1.75   Incl   5,705.62   0.00   97.07   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00                                                                                                                                                                                                                                                                  | MD (fikB) in 0.00 191.00 425.00 655.00 998.00 1,223.00 1,523.00 1,744.00 1,744.00 2,475.00 2,893.00 2,878.00 2,893.00 3,400.00 3,400.00 3,886.00 3,843.00 4,061.00 4,571.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ORIO (#kB) 0.00 190.99 424.98 654.98 907.96 1,222.96 1,522.96 1,522.96 2,217.95 2,217.95 2,474.94 2,877.82 2,892.82 3,019.80 3,149.78 3,399.78 3,585.78 3,462.78 4,650.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | ("/100ft) Tur<br>0.00<br>0.52<br>-0.32<br>0.22<br>0.00<br>0.08<br>-0.08<br>-0.23<br>0.29<br>0.11<br>0.00<br>-6.67<br>0.00<br>0.00<br>-0.20<br>0.11<br>0.10<br>-0.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | n (°/100ft)     | Ulmrary Displace (ft) 0.00 1.67 4.22 6.23 9.54 14.35 18.93 20.86 21.96 24.37 30.54 37.67 44.13 44.52 46.74 49.01 52.28 54.31 58.23 61.56 68.24                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| 1,73   11   1,73   11   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73   1,73                                                                                                                                                                                                                                                                 | MD (fikB) In 0.00 191.00 425.00 655.00 908.00 1.223.00 1.523.00 1.744.00 1.997.00 2.218.00 2.475.00 2.693.00 3.020.00 3,150.00 3,400.00 3,586.00 3,843.00 4,671.00 4,571.00 45.71.00 5,010.00 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 -0.32 0.22 0.22 0.00 0.08 -0.02 0.00 0.34 -0.23 0.00 0.34 -0.29 0.11 0.00 -6.67 0.00 0.00 -0.20 0.13 0.13 0.00 -0.11 0.00 0.70 0.00 0.70 0.70 0.70 0.70                                                                                                                                                   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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur<br>0.00<br>0.52<br>0.32<br>0.22<br>0.00<br>0.08<br>-0.08<br>-0.08<br>-0.03<br>0.00<br>0.34<br>0.29<br>0.11<br>0.00<br>0.00<br>0.00<br>0.11<br>0.00<br>0.00<br>0.11<br>0.00<br>0.00<br>0.00<br>0.11<br>0.00<br>0.00<br>0.00<br>0.11<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0 | n (°/100ft)     | Ulmrary Displace (ft) 0.00 1.67 4.22 6.23 9.54 14.35 18.93 20.86 21.96 24.37 30.54 37.67 44.13 44.52 46.74 49.01 55.23 54.31 58.23 61.56 68.24 76.86 90.38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                               | 138.00<br>TUBB;                     | enconsos de los por processos de consecuente de consecuente de processos de los portecesos de consecuente de consecuentes de consecuente de consecuentes de                          |             | Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,686.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; 1/17/2007 Perforated; 6,662.0-6,664.0; Perforated; 6,673.0-6,676.0; Re-Perforated; 6,662.0-6,685.0;                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                                                                                                                                                                                                                                                                                                                                                           | n (°/100ft)     | Ulmara) Displace (t) 0.00 1.67 4.22 6.23 9.54 14.35 18.93 20.86 21.96 24.37 30.54 44.13 44.52 46.74 49.01 52.28 61.56 68.24 76.86 90.38 97.07                                                                                                                                                                                                                                                                                                                                                                                                                                             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6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 6,556.5 . 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Re-Perforated;<br>6,586.0-6,591.0;<br>1/17/2007<br>Perforated;<br>6,586.0-6,591.0;<br>Re-Perforated;<br>6,618.0-6,624.0;<br>1/17/2007<br>Perforated;<br>6,618.0-6,624.0;<br>Perforated;<br>6,662.0-6,664.0;<br>Perforated;<br>16,673.0-6,676.0;<br>Re-Perforated;<br>16,682.0-6,685.0;<br>Perforated;<br>16,682.0-6,685.0;<br>Perforated;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 6,999.00 1.75 Incl 6,998.24 0.18 137.92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MD (fikB) in 0.00 191.00 425.00 655.00 998.00 1,223.00 1,523.00 1,744.00 1,744.00 2,218.00 2,475.00 2,893.00 3,400.00 3,586.00 3,843.00 4,061.00 4,071.00 5,487.00 5,487.00 5,801.00 5,801.00 5,801.00 5,801.00 5,801.00 5,801.00 6,274.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.00 1.00 1.00 1.00 0.25 0.75 0.75 1.00 0.75 0.25 1.00 1.75 0.25 1.00 1.75 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0                            |                                            | medianel med | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  3,019.80  3,389.78  3,585.78  3,686.78  4,570.74  4,570.74  5,705.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.29 0.11 0.00 0.00 0.00 0.11 0.00 0.11 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | n (°/100ft)     | University Displace (f) 0.00 0.00 1.67 4.22 6.23 9.54 14.35 18.93 20.86 21.96 24.37 30.54 44.73 44.52 46.74 49.01 52.28 54.31 58.23 61.56 68.24 76.86 90.38 97.07 99.97 108.28                                                                                                                                                                                                                                                                                                                                                                                                                   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. 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 . 6,556.1 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,686.0-6,591.0; Re-Perforated; 6,686.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; Perforated; 6,673.0-6,664.0; Perforated; 6,682.0-6,685.0; 1/17/2007 Perforated; 6,682.0-6,685.0; 1/17/2007 Perforated; 6,682.0-6,685.0; Perforated; 6,682.0-6,685.0; Perforated; 6,682.0-6,685.0; Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MD (fikB) In 0.00 In 191.00 425.00 655.00 908.00 1,223.00 1,523.00 1,744.00 1,997.00 2,218.00 2,475.00 2,893.00 3,400.00 3,586.00 3,843.00 4,061.00 4,571.00 5,487.00 5,706.00 5,706.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,555.00 6,5588.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.00 1.00 0.25 0.75 0.75 1.00 0.75 0.25 0.25 0.25 0.25 0.25 0.25 1.00 1.75 1.00 1.75 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0                  |                                            | and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ORIO  0.00  190.99  190.99  907.96  654.98  907.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,522.96  1,52 | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/1008) Tur 0.00 0.00 0.52 -0.32 0.22 0.00 0.08 -0.08 -0.08 -0.03 0.00 0.34 0.09 0.11 0.00 -6.67 0.00 0.00 -0.20 0.11 0.00 0.17 0.05 0.00 0.17 0.05 0.00 0.00 0.00 0.00 0.00 0.00 0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | n (°/100ft)     | Ulmara) Displace (t) 0.00 1.67 4.22 6.23 9.54 14.35 18.93 20.86 21.96 24.37 30.54 44.13 44.13 44.52 46.74 49.01 52.81 58.23 61.56 68.24 76.86 90.38 99.97 108.28 115.93 115.93                                                                                                                                                                                                                                                                                                                                                                                                                      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Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 1 7 230.001 1.501   Incl   7 229.241                 -0.11    144.47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MD (fikB) In 0.00 191.00 425.00 655.00 908.00 1,223.00 1,233.00 1,744.00 1,997.00 2,218.00 2,878.00 2,893.00 3,020.00 3,150.00 3,586.00 3,686.00 4,661.00 4,571.00 5,706.00 5,706.00 6,774.00 6,588.00 6,7715.00 6,5715.00 6,578.00 6,588.00 6,7715.00 6,658.00 6,7715.00 6,658.00 6,7715.00 6,658.00 6,7715.00 6,658.00 6,7715.00 6,658.00 6,7715.00 6,658.00 6,7715.00 6,658.00 6,7715.00 6,658.00 6,7715.00 6,658.00 6,7715.00                                                                                                                                                                                                                                                                                         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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ORIO  0.00  190.99  46654.98  907.96  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95  1,743.95 | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 -0.32 0.22 0.20 0.00 0.08 -0.08 -0.23 0.00 0.34 0.29 0.11 0.00 0.00 -0.667 0.00 0.00 -0.20 0.13 0.10 0.00 0.10 0.00 0.10 0.00 0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | n (°/100ft)     | University Displace (ft) 0.000 (1.67) 4.22 (6.23) 9.54 (14.35) 18.93 (2.086) 21.96 (2.17) 44.13 (4.52) 46.74 (4.74) 49.01 (5.28) 61.56 (6.24) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 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6,682.0-6,685.0; Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| 7,230.00 1.50 Ind 7,229.24 -0.11 144.47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MD (fikB) in 0.00 191.00 425.00 655.00 998.00 1,223.00 1,523.00 1,744.00 1,744.00 2,218.00 2,475.00 2,893.00 3,400.00 3,586.00 3,843.00 4,061.00 4,071.00 5,487.00 5,487.00 5,801.00 5,801.00 5,801.00 5,801.00 5,801.00 5,801.00 6,274.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.29 0.11 0.00 0.00 0.00 0.11 0.00 0.11 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | n (°/100ft)     | University Displace (ft) 0.00 1.67 4.22 6.23 9.54 14.35 18.93 20.86 21.96 24.37 30.54 4.52 46.74 49.01 5.228 54.31 58.23 61.56 68.24 76.86 99.38 97.07 99.97 108.28 115.98                                                                                                                                                                                                                                                                                                                                                                                                                       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Re-Perforated; 6,687.0-6,690.0  Re-Perforated; 6,687.0-6,690.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 67116                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MD (fikB) In 0.00 In 191.00 425.00 655.00 998.00 1,223.00 1,744.00 1,744.00 1,744.00 2,475.00 2,878.00 2,878.00 3,400.00 3,586.00 3,843.00 4,651.00 4,651.00 5,487.00 5,487.00 5,487.00 5,487.00 5,487.00 5,801.00 6,588.00 6,274.00 6,588.00 6,274.00 6,588.00 6,715.00 6,715.00 6,715.00 6,999.00                                                                                                                                                                                                                                                                                                                                                                                                                       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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  2,474.94  3,580.75  3,580.75  4,587.75  5,676.62  5,606.78  6,507.74  5,606.78  6,507.74  5,705.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.09 0.11 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n (°/100ft)     | University Displace (ft) 0.000 (1.67) 4.22 (6.23) 9.54 (14.35) 18.93 (2.086) 21.96 (2.17) 44.13 (4.52) 46.74 (4.74) 49.01 (5.28) 61.56 (6.24) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 (6.26) 61.66 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Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  2,474.94  3,580.75  3,580.75  4,587.75  5,676.62  5,606.78  6,507.74  5,606.78  6,507.74  5,705.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.09 0.11 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n (°/100ft)     | Ulmrap<br>0.000<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>37.67<br>44.13<br>44.52<br>46.74<br>49.01<br>52.28<br>54.31<br>58.23<br>68.24<br>76.86<br>68.24<br>76.86<br>77.07<br>99.97<br>108.28<br>115.93<br>126.88<br>130.49<br>137.92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | . 6,551 a . 6,556 a . 6,557 a . 6,57 | 138.00<br>TUBB;                     | enconante <mark>son los concencios por locumente los concencios de locumente de locument</mark>             |             | Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,586.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; 1/17/2007 Perforated; 6,618.0-6,624.0; Perforated; 6,62.0-6,664.0; Perforated; 6,632.0-6,650.0; Re-Perforated; 6,682.0-6,685.0; Perforated; 6,682.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| 6,715.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MD (fikB) In 0.00 In 191.00 425.00 655.00 998.00 1,223.00 1,744.00 1,774.00 2,218.00 2,475.00 2,878.00 2,878.00 3,400.00 3,586.00 3,843.00 4,651.00 4,651.00 5,487.00 5,487.00 5,487.00 5,487.00 5,487.00 6,588.00 6,274.00 6,588.00 6,274.00 6,588.00 6,715.00 6,999.00                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  2,474.94  3,580.75  3,580.75  4,587.75  5,676.62  5,606.78  6,507.74  5,606.78  6,507.74  5,705.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.09 0.11 0.00 0.00 0.00                                                                                                                                                                                                                               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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6.735.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MD (fikB) In 0.00 In 191.00 425.00 655.00 998.00 1,223.00 1,744.00 1,774.00 2,218.00 2,475.00 2,878.00 2,878.00 3,400.00 3,586.00 3,843.00 4,651.00 4,651.00 5,487.00 5,487.00 5,487.00 5,487.00 5,487.00 6,588.00 6,274.00 6,588.00 6,274.00 6,588.00 6,715.00 6,999.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.00 1.00 1.00 1.00 0.25 0.75 1.00 0.75 1.00 0.25 1.00 1.75 0.25 1.00 1.75 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0                            |                                            | med                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  2,474.94  3,580.75  3,580.75  4,587.75  5,676.62  5,606.78  6,507.74  5,606.78  6,507.74  5,705.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.09 0.11 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n (°/100ft)     | Ulmrap<br>0.000<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>37.67<br>44.13<br>44.52<br>46.74<br>49.01<br>52.28<br>54.31<br>58.23<br>68.24<br>76.86<br>68.24<br>76.86<br>77.07<br>99.97<br>108.28<br>115.93<br>126.88<br>130.49<br>137.92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | . 0.551 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 138.00<br>TUBB;                     | enconnections and test and tes                         |             | 6,552.0-6,558.0;  Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,618.0-6,594.0; 1/17/2007 Perforated; 6,618.0-6,624.0; 1/17/2007 Perforated; 6,662.0-6,664.0; Perforated; 6,662.0-6,665.0; Re-Perforated; 6,682.0-6,685.0; Perforated; 6,687.0-6,690.0; 1/17/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 6.735.9<br>6.734.3<br>5.7 Tubing - 7 Production; 2.7/E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MD (fikB) In 0.00 In 191.00 425.00 655.00 998.00 1,223.00 1,744.00 1,774.00 2,218.00 2,475.00 2,878.00 2,878.00 3,400.00 3,586.00 3,843.00 4,651.00 4,651.00 5,487.00 5,487.00 5,487.00 5,487.00 5,487.00 6,588.00 6,274.00 6,588.00 6,274.00 6,588.00 6,715.00 6,999.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.00 1.00 1.00 1.00 0.25 0.75 1.00 0.75 1.00 0.25 1.00 1.75 0.25 1.00 1.75 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0                            |                                            | med                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  2,474.94  3,580.75  3,580.75  4,587.75  5,676.62  5,606.78  6,507.74  5,606.78  6,507.74  5,705.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.09 0.11 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n (°/100ft)     | Ulmrap<br>0.000<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>37.67<br>44.13<br>44.52<br>46.74<br>49.01<br>52.28<br>54.31<br>58.23<br>68.24<br>76.86<br>68.24<br>76.86<br>77.07<br>99.97<br>108.28<br>115.93<br>126.88<br>130.49<br>137.92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | . 6,551 a . 6,554 a . 6,555 a . 6,55 | 138.00<br>TUBB;                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             | Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,688.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; 1/17/2007 Perforated; 6,618.0-6,624.0; Perforated; 6,662.0-6,664.0; Perforated; 6,662.0-6,665.0; Re-Perforated; 6,682.0-6,685.0; Perforated; 6,682.0-6,685.0; Perforated; 6,682.0-6,685.0; Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; 1/17/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 6.786.9<br>6.784.3<br>6.784.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MD (fikB) In 0.00 In 191.00 425.00 655.00 998.00 1,223.00 1,744.00 1,774.00 2,218.00 2,475.00 2,878.00 2,878.00 3,400.00 3,586.00 3,843.00 4,651.00 4,651.00 5,487.00 5,487.00 5,487.00 5,487.00 5,487.00 6,588.00 6,274.00 6,588.00 6,274.00 6,588.00 6,715.00 6,999.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.00 1.00 1.00 1.00 0.25 0.75 1.00 0.75 1.00 0.25 1.00 1.75 0.25 1.00 1.75 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0                            |                                            | med                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  2,474.94  3,580.75  3,580.75  4,587.75  5,676.62  5,606.78  6,507.74  5,606.78  6,507.74  5,705.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.09 0.11 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n (°/100ft)     | Ulmrap<br>0.000<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>37.67<br>44.13<br>44.52<br>46.74<br>49.01<br>52.28<br>54.31<br>58.23<br>68.24<br>76.86<br>68.24<br>76.86<br>77.07<br>99.97<br>108.28<br>115.93<br>126.88<br>130.49<br>137.92                                                                                                                                                                                                                                                                                                                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6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 6,556.8 . 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 6.715.6  6.735.9  6.794.3  6.794.9  FILL; 5; 7,150.0;  7,179.0  Froduction; 2.7/£  1.5; 12.0; 6,795.1  Production Casir  Castral Castr                                                                                                                                                                                                                                                               | MD (fikB) In 0.00 In 191.00 425.00 655.00 998.00 1,223.00 1,744.00 1,774.00 2,218.00 2,475.00 2,878.00 2,878.00 3,400.00 3,586.00 3,843.00 4,651.00 4,651.00 5,487.00 5,487.00 5,487.00 5,487.00 5,487.00 6,588.00 6,274.00 6,588.00 6,274.00 6,588.00 6,715.00 6,999.00                                                                                                                                                                                                                                                                                                                                                        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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  2,474.94  3,580.75  3,580.75  4,587.75  5,676.62  5,606.78  6,507.74  5,606.78  6,507.74  5,705.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.09 0.11 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n (°/100ft)     | Ulmrap<br>0.000<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>37.67<br>44.13<br>44.52<br>46.74<br>49.01<br>52.28<br>54.31<br>58.23<br>68.24<br>76.86<br>68.24<br>76.86<br>77.07<br>99.97<br>108.28<br>115.93<br>126.88<br>130.49<br>137.92                                                                                                                                                                                                                      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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             | Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,586.0-6,591.0; Re-Perforated; 6,686.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; 1/17/2007 Perforated; 6,618.0-6,624.0; Perforated; 6,62.0-6,664.0; Perforated; 6,637.0-6,676.0; Re-Perforated; 6,682.0-6,685.0; Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; 1/17/2007  5; Tubing - Production; 2 7/8 Production; 2 7/8 Production Casin Cement (plug);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 6.716.6<br>6.736.9<br>6.734.3<br>6.734.9<br>7.749.9 FILL; 5; 7,150.0; Production; 2.7/E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MD (fikB) In 0.00 In 191.00 425.00 655.00 998.00 1,223.00 1,744.00 1,774.00 2,218.00 2,475.00 2,878.00 2,878.00 3,400.00 3,586.00 3,843.00 4,651.00 4,651.00 5,487.00 5,487.00 5,487.00 5,487.00 5,487.00 6,588.00 6,274.00 6,588.00 6,274.00 6,588.00 6,715.00 6,999.00                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  2,474.94  3,580.75  3,580.75  4,587.75  5,676.62  5,606.78  6,507.74  5,606.78  6,507.74  5,705.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.09 0.11 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n (°/100ft)     | Ulmrap<br>0.000<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>37.67<br>44.13<br>44.52<br>46.74<br>49.01<br>52.28<br>54.31<br>58.23<br>68.24<br>76.86<br>68.24<br>76.86<br>77.07<br>99.97<br>108.28<br>115.93<br>126.88<br>130.49<br>137.92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | . 6,551 a . 6,554 a . 6,554 a . 6,554 a . 6,556 a . 6,556 a . 6,556 a . 6,557 a . 6,55 | 138.00<br>TUBB;<br>6,552.0-6,690.0; |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| 6,736.9 6,734.3 6,734.9 7,179.1 7,179.1 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 7,179.0 12/21/2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ORIO  0.00  190.99  1,222.96  654.98  907.96  1,743.95  1,743.95  2,474.94  2,217.95  2,474.94  3,580.75  3,580.75  4,587.75  5,676.62  5,606.78  6,507.74  5,606.78  6,507.74  5,705.62                                                                                                                                                                                                                                                                            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                                                                                                                                                                                                                                                                                                                                                                                                                | n (°/100ft)     | Ulmrap<br>0.000<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>37.67<br>44.13<br>44.52<br>46.74<br>49.01<br>52.28<br>54.31<br>58.23<br>68.24<br>76.86<br>68.24<br>76.86<br>77.07<br>99.97<br>108.28<br>115.93<br>126.88<br>130.49<br>137.92                                                                                                                                                                                                                                                                                                                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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SINAL<br>VS (ft) |                 |        | EW (ft)     | DLS (°/100ft) Build | (*/100h) Tur 0.00 0.52 0.32 0.22 0.00 0.08 -0.08 -0.08 -0.08 0.09 0.11 0.00 0.09 0.11 0.00 0.00 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n (°/100ft)     | Ulmrap<br>0.000<br>1.67<br>4.22<br>6.23<br>9.54<br>14.35<br>18.93<br>20.86<br>21.96<br>24.37<br>30.54<br>37.67<br>44.13<br>44.52<br>46.74<br>49.01<br>52.28<br>54.31<br>58.23<br>68.24<br>76.86<br>68.24<br>76.86<br>77.07<br>99.97<br>108.28<br>115.93<br>126.88<br>130.49<br>137.92                                                                                                                                                                                                                                                                                                        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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 138.00<br>TUBB;<br>6,552.0-6,690.0; |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             | Re-Perforated; 6,586.0-6,591.0; 1/17/2007 Perforated; 6,586.0-6,591.0; Re-Perforated; 6,686.0-6,591.0; Re-Perforated; 6,618.0-6,624.0; 1/17/2007 Perforated; 6,682.0-6,684.0; Perforated; 6,662.0-6,664.0; Perforated; 6,682.0-6,685.0; 1/17/2007 Perforated; 6,682.0-6,685.0; Perforated; 6,687.0-6,690.0; Re-Perforated; 6,687.0-6,690.0; 1/17/2007                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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | . 6,551 a . 6,554 a . 6,554 a . 6,554 a . 6,555 a . 6,55 | 138.00<br>TUBB;<br>6,552.0-6,690.0; |                                                                                                                                                                                                                                                                                                                                                                                                      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Re-Perforated; 6,687.0-6,690.0; 1/17/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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#### **BUREAU OF LAND MANAGEMENT**

Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

# **Conditions of Approval for Temporary Abandonment of Wells**

**Definition:** A temporarily abandoned well is a completion that is not capable of production in paying quantities, but which may have future value. Pursuant to 43 CFR 3162.3-4 (c), no well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer.

- 1. TA status will be effective for a period of up to one year from the date of sundry approval and can be renewed annually thereafter per IM NM-2016-017.
- 2. A bridge plug (CIBP) must be installed 50 to 100 feet above any open perforations/open hole/kick off point. The CIBP must be capped with either a minimum of 25 sacks of cement if placed with tubing or 35 feet of cement if placed with a bailer. The top of the cement must be verified by tagging.
- 3. The wellbore must be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes. If the well does not pass the casing integrity test, then the operator shall, within 30 days, submit a procedure to either repair the casing or to plug and abandon the well.
- 4. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Eddy County, 575-361-2822; Lea County 575-393-3612.
- 5. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if it is not isolated by a packer.
- 6. A bradenhead test must be conducted. If the test indicates a problem, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
- 7. Submit a subsequent Sundry Notice (Form 3160-5) with the following information:
  - a. A well bore diagram with all perforations, CIBP's, and tops of cement on CIBP's.
  - b. A description of the temporary abandonment procedure.
  - c. A clear copy or the original of the pressure test chart.

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 409703

#### **CONDITIONS**

| Operator:                    | OGRID:                                     |
|------------------------------|--------------------------------------------|
| Maverick Permian LLC         | 331199                                     |
| 1000 Main Street, Suite 2900 | Action Number:                             |
| Houston, TX 77002            | 409703                                     |
|                              | Action Type:                               |
|                              | [C-103] NOI Temporary Abandonment (C-103I) |

#### CONDITIONS

| Created<br>By | Condition                                                                                                           | Condition Date |
|---------------|---------------------------------------------------------------------------------------------------------------------|----------------|
| kfortner      | Plug must be placed within 100ft of top of perforations.                                                            | 12/10/2024     |
| kfortner      | Passing MIT test in accordance with 19.15.26.11 or 19.15.25.12-14 NMAC will be required at time of work.            | 12/10/2024     |
| kfortner      | Notify the OCD inspection supervisor via email 24 hours prior to beginning Temporarily Abandonment (TA) operations. | 12/10/2024     |