Drilling Finished Date: December 31, 2017
1st Prod Date: February 16, 2018
Completion Date: February 04, 2018

Drill Type: HORIZONTAL HOLE

| Well Name: BUTLER 4-5 MH | Purchaser/Measurer: SUPERIOR |  |
| :--- | :--- | :--- |
| Location: | CANADIAN 5 14N 5W | First Sales Date: $2 / 16 / 18$ |
|  | N2 NE NE NW |  |
|  | 205 FNL 2310 FWL of $1 / 4$ SEC |  |
|  | Latitude: 35.7252 Longitude: -97.75567 |  |
|  | Derrick Elevation: 1156 Ground Elevation: 1135 |  |
| Operator: | RED BLUFF RESOURCES OPERATING LLC 23828 |  |
|  | 3030 NW EXPRESSWAY STE 650 |  |
|  | OKLAHOMA CITY, OK 73112-5447 |  |


| Completion Type |  |
| :--- | :--- |
| $X$ | Single Zone |
|  | Multiple Zone |
|  | Commingled |


| Location Exception |
| :---: |
| Order No |
| 681469 |


| Increased Density |
| :--- |
| Order No |
| There are no Increased Density records to display. |


| Casing and Cement |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type | Size | Weight | Grade | Feet | PSI | SAX | Top of CMT |
| SURFACE | 9.625 | 40 | J-55 | 858 |  | 405 | SURFACE |
| PRODUCTION | 7.0 | 29 | P-110 | 6600 |  | 195 | 1800 |


| Liner |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type | Size | Weight | Grade | Length | PSI | SAX | Top Depth | Bottom Depth |  |  |
| LINER | 4.5 | 13.5 | P-110 | 5718 | 0 | 495 | 6460 | 12178 |  |  |

Total Depth: 12178

| Packer |  |
| :---: | :---: |
| Depth | Brand \& Type |
| There are no Packer records to display. |  |


| Plug |  |
| :---: | :---: |
| Depth | Plug Type |
| 2145 | CEMENT |


| Initial Test Data |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Test Date | Formation | Oil <br> BBL/Day | Oil-Gravity <br> (API) | Gas <br> MCF/Day | Gas-Oil Ratio <br> Cu FT/BBL | Water <br> BBL/Day | Pumpin or <br> Flowing | Initial Shut- <br> In <br> Pressure | Choke <br> Size | Flow Tubing <br> Pressure |
| Feb 20, 2018 | MISSISSIPPIAN (LESS <br> CHESTER) | 250 | 39 | 141 | 564 | 2798 | FLOWING |  | $64 / 64$ | 230 |


| Completion and Test Data by Producing Formation |  |  |  |
| :---: | :---: | :---: | :---: |
| Formation Name: MISSISSIPPIAN (LESS CHESTER) |  | Code: 359 | Class |
| Spacing Orders |  | Perforated Intervals |  |
| Order No | Unit Size | From | To |
| 663849 | 640 | 7750 | 12078 |
| Acid Volumes |  | Fracture Treatments |  |
| 41,416 GALLONS 15\% HCI ACID |  | TOTAL SAND: 9,004,013 LBS. |  |
|  |  | TOTAL FLUID: 270,940 BBLS |  |


| Formation | Top |
| :--- | ---: |
| VERDIGRIS | 6953 |
| MERAMEC | 7230 |
| OSAGE | 7545 |

Were open hole logs run? Yes
Date last log run: December 29, 2017
Were unusual drilling circumstances encountered? No
Explanation:

| Other Remarks |
| :--- |
| STUCK PIPE AT 2500'. SET 500' CEMENT PLUG @ 2145'. SIDETRACK |

## Lateral Holes

Sec: 5 TWP: 14N RGE: 5W County: CANADIAN
SW SE SE SW
167 FSL 2308 FWL of $1 / 4$ SEC
Depth of Deviation: 6690 Radius of Turn: 742 Direction: 180 Total Length: 4750
Measured Total Depth: 12178 True Vertical Depth: 7448 End Pt. Location From Release, Unit or Property Line: 167

## FOR COMMISSION USE ONLY

Status: Accepted

