| Сс | onfiden | tiality | / Requested: |
|----|---------|---------|--------------|
|    | Yes     |         | lo           |

#### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1372576

Form ACO-1 November 2016 Form must be Typed Form must be Signed All blanks must be Filled

#### WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| API No.:   |
|--|
| Spot Description:  |
|  |
| Feet from  North / South Line of Section                 |
| Feet from East / West Line of Section                    |
| Footages Calculated from Nearest Outside Section Corner: |
|  |
| GPS Location: Lat:, Long:                                |
| (e.g. xx.xxxx) (e.gxxx.xxxxx)                            |
| Datum: NAD27 NAD83 WGS84                                 |
| County:  |
| Lease Name: Well #:                                      |
| Field Name:  |
| Producing Formation:                                     |
| Elevation: Ground: Kelly Bushing:                        |
| Total Vertical Depth: Plug Back Total Depth:             |
| Amount of Surface Pipe Set and Cemented at: Feet         |
| Multiple Stage Cementing Collar Used? Yes No             |
| If yes, show depth set: Feet                             |
| If Alternate II completion, cement circulated from:      |
| feet depth to:w/sx cmt.                                  |
|  |
| Drilling Fluid Management Plan                           |
| (Data must be collected from the Reserve Pit)            |
| Chloride content: ppm Fluid volume: bbls                 |
| Dewatering method used:                                  |
|  |
| Location of fluid disposal if hauled offsite:            |
| Operator Name:   |
| Lease Name: License #:                                   |
| Quarter Sec Twp S. R East _ West                         |
| County: Permit #:  |
|  |

#### AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

### Submitted Electronically

| KCC Office Use ONLY                             |
|---|
| Confidentiality Requested                       |
| Date:   |
| Confidential Release Date:                      |
| Wireline Log Received Drill Stem Tests Received |
| Geologist Report / Mud Logs Received            |
| UIC Distribution                                |
| ALT I II III Approved by: Date:                 |

|  | Page Two                          | 1372576  |
|--|-----------------------------------|--|
| Operator Name:   | Lease Name:                       | Well #:  |
| Sec TwpS. R East West                                      | County:                           |  |
| INCTRUCTIONS. Chow important tang of formations panatrated | Dotail all coros Roport all final | conies of drill stoms tasts giving interval tasted time tool |

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| Drill Stem Tests Taken<br>(Attach Additional Sh  | aata)   | Y                            | es 🗌 No  |                       | L               | .og      | Formatio                | n (Top), Dept     | h and Datum   | Sample                        |
|--|---|------------------------------|--|-----------------------|-----------------|----------|-------------------------|-------------------|---|-------------------------------|
| Samples Sent to Geolog<br>TCores aken<br>Electric Log Run<br>Geologist Report  | gical Survey  |                              | es No<br>es No<br>es No<br>es No<br>es No                  |                       | Nam             | e        |                         |                   | Тор   | Datum                         |
| List All E. Logs Run:  |   |                              |  |                       |                 |          |                         |                   |   |                               |
|  |   | Repo                         | CASING<br>ort all strings set-c                            | RECORD                | Ne<br>ace, inte |          | Jsed<br>, producti      | on, etc.          |   |                               |
| Purpose of String  | Size Hole<br>Drilled                                |                              | ze Casing<br>t (In O.D.)                                   | Weigh<br>Lbs. / F     |                 |          | tting<br>epth           | Type of<br>Cement | # Sacks<br>Used   | Type and Percent<br>Additives |
|  |   |                              |  |                       |                 |          |                         |                   |   |                               |
|  |   |                              |  |                       |                 |          |                         |                   |   |                               |
|  |   |                              | ADDITIONAL   | CEMENTING             | G / SQL         | JEEZE F  | ECORD                   | -                 |   | ·                             |
| Purpose:<br>Perforate  | Depth<br>Top Bottom                                 | Туре                         | e of Cement  | # Sacks U             | lsed            |          |                         | Туре а            | nd Percent Additives  |                               |
| Protect Casing Plug Back TD Plug Off Zone  |   |                              |  |                       |                 |          |                         |                   |   |                               |
| <ol> <li>Did you perform a hydra</li> <li>Does the volume of the</li> <li>Was the hydraulic fractu</li> <li>Date of first Production/Inj<br/>Injection:</li> </ol> | total base fluid of the h<br>ring treatment informa | nydraulic fra<br>tion submit | acturing treatment<br>tted to the chemic<br>Producing Meth | al disclosure re      | egistry?        |          | ] Yes<br>] Yes<br>] Yes | No (If No         | n, skip questions 2 an<br>n, skip question 3)<br>n, fill out Page Three |                               |
| -  |   |                              | Flowing  | Pumping               |                 | Gas Lift |                         | ther (Explain) _  |   |                               |
| Estimated Production<br>Per 24 Hours   | Oil I   | 3bls.                        | Gas  | Mcf                   | Wat             | er       | Bt                      | bls.              | Gas-Oil Ratio   | Gravity                       |
| DISPOSITION  | I OF GAS:   |                              | N<br>Open Hole   | IETHOD OF C           | -               | TION:    |                         | nmingled          | PRODUCTIC<br>Top  | DN INTERVAL:<br>Bottom        |
| (If vented, Subm   |   |                              |  |                       |                 | ACO-5)   |                         | nit ACO-4)        |   |                               |
|  | oration Perfora                                     |                              | Bridge Plug<br>Type  | Bridge Plug<br>Set At |                 |          | Acid,                   |                   | Cementing Squeeze<br>Kind of Material Used)                             |                               |
|  |   |                              |  |                       |                 |          |                         | ×                 | ,   |                               |
|  |   |                              |  |                       |                 |          |                         |                   |   |                               |
|  |   |                              |  |                       |                 |          |                         |                   |   |                               |
|  |   |                              |  |                       |                 |          |                         |                   |   |                               |
|  |   |                              |  |                       |                 |          |                         |                   |   |                               |
| TUBING RECORD:   | Size:   | Set At:                      |  | Packer At:            |                 |          |                         |                   |   |                               |

| Form      | ACO1 - Well Completion |
|-----------|------------------------|
| Operator  | Blake Exploration, LLC |
| Well Name | WU 1                   |
| Doc ID    | 1372576                |

## Casing

| Purpose<br>Of String | Size Hole<br>Drilled | Size<br>Casing<br>Set | Weight | Setting<br>Depth | Type Of<br>Cement |     | Type and<br>Percent<br>Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|-----|----------------------------------|
| Surface              | 12.25                | 8.625                 | 23     | 221              | 80/20             | 150 | 3%/2%                            |
|                      |                      |                       |        |                  |                   |     |                                  |
|                      |                      |                       |        |                  |                   |     |                                  |
|                      |                      |                       |        |                  |                   |     |                                  |

| Phone 785-483-2025<br>Cell 785-324-1041  | Home Office                      | e P.O. Box 32 R          | ussell, KS 67665                                | No                         | 248                           |
|--|----------------------------------|--------------------------|---|----------------------------|-------------------------------|
| Date 6-5-17  | c. Twp. Range                    | County                   | State<br>KS                                     | On Location                | G3P.                          |
| entitione appealing and they   | i be and h <b>eighy</b> is deele | Location Mon             | wment 115                                       | Winto                      | encond yes of in              |
| Lease W U  | Well No.                         | Owner                    |   |                            |                               |
| Contractor Roja  | s. January SASKAX Jan            | To Quality               | Oilwell Cementing, In<br>ereby requested to rer | c.<br>nt cementing equipme | nt and furnish                |
| Type Job Surface   | a president to you provid        | cementer                 | and helper to assist o                          | wner or contractor to      | do work as listed.            |
| Hole Size 12:4   | T.D. 221                         | Charge<br>To             | Blake Expl                                      | oration                    | way pertaining to             |
| Csg. \$ 518  | Depth 220                        | Street                   |   | Real a vomens br           | s as mus sidents              |
| Tbg. Size  | Depth                            | City                     |   | State                      |                               |
| Tool   | Depth                            | The above                | was done to satisfaction                        | and supervisjon of own     | er, agent or contract         |
| Cement Left in Csg.  | Shoe Joint                       | Cement A                 | mount Ordered                                   | 0 89/20 31                 | 11 2.1.12                     |
| Meas Line  | Displace 13                      | BL                       | ton elsupelusin so to                           | e do so recepción de       | I dent of VILL                |
|  | JIPMENT                          | Common                   | 170   | T2U3 va Had bhe            |                               |
| Pumptrk 20 No. Cementer  | graig                            | Poz. Mix                 | 30  | NCHARCES, Italian          | OTARMER9 -                    |
| Bulktrk No. Driver   | breff                            | Gel.                     | 3   |                            |                               |
| Bulktrk 9 No. Driver   | bea                              | Calcium                  | 6   | witcee benefit aut         | De kondiana ine               |
|  | CES & REMARKS                    | Hulls                    |   |                            |                               |
| Remarks:   | e he tropiec eth                 | Salt                     | nance of the internet                           | ishe hon he pelo           | a one delinario as            |
| Rat Hole   | e in the fire energy of          | Flowseal                 |   |                            |                               |
| Mouse Hole   | stany person, Including (        | Kol-Seal                 | New Scicioss, disease                           | i visodaot to vincom       | (A) Demage \$ p               |
| Centralizers   |                                  | Mud CLR                  | 48  |                            | 1005 (10                      |
| Baskets  |                                  | 200 C                    | or CD110 CAF 38                                 | - Chairceast -             |                               |
| D/V or Port Collar   |                                  | Sand                     |   | Funded to because a        | n series to series            |
|  | m Et Circulati                   |                          | 159   |                            |                               |
| IN Y SOL   | A CARCAN                         | Mileage                  | N. L  |                            |                               |
| 1111   |                                  | - Winceges               | FLOAT EQUIP                                     | MENT                       |                               |
| Displace   |                                  | )/ - <del>Quide Sh</del> | 2001  | 10 40 000                  | S. OUALITY I DI               |
|  | 1 Julea                          | Centralize               | 0-1   |                            |                               |
| Clovent (  | , ACOMINO                        | Baskets                  | 21  | 4                          |                               |
|  |                                  |                          | uto   |                            |                               |
|  |                                  | AFU Inse<br>Float Sho    |   |                            |                               |
| Contraction of the Contraction o |                                  |                          |   |                            |                               |
| 1 ALL ANAL DESCRIPTION VITE AND SHORE  | A 62 TOA 6572 Y TAA TO           | Latch Dov                | wn  | Be to loan a linear as     | in an an in the second second |
|  |                                  |                          |   |                            |                               |
|  |                                  |                          | - 6 1   |                            |                               |
|  |                                  |                          | AT  |                            |                               |
|  |                                  | Pumptrk                  | Charge Uvta                                     | <u>ce</u>                  | in on the first               |
|  |                                  | Pumptrk Mileage          | Charge Juvta<br>13                              |                            |                               |
|  |                                  |                          | Charge Justa<br>13                              | Te<br>Discour              |                               |

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. Home Office P.O. Box 32 Russell, KS 67665 186 Phone 785-483-2025 Cell 785-324-1041 On Location Finish Sec. Twp. Range County State 30 13 32 Date 3 Location wu Well No. Owner Lease To Quality Oilwell Cementing, Inc. Contractor You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Type Job DINA Charge 23 4 300 9 Hole Size T.D. To Depth Csq Street 44 2450' Tbg. Size Depth City State The above was done to satisfaction and supervision of owner agent or contractor. Depth Tool Cement Amount Ordered Cement Left in Csg. Shoe Joint Displace Meas Line EQUIPMENT Common Cementer ( No. Poz. Mix Pumptrk Helper ain Driver ' No. Bulktrk Gel. Driver Driver No. Bulktrk Driver Calcium **JOB SERVICES & REMARKS** Hulls 2450 6 5X Salt Remarks: 3 Rat Hole SX Flowseal 00 SX 50 41 Mouse Hole Kol-Seal Centralizers L Mud CLR 48 Baskets 305% CFL-117 or CD110 CAF 38 D/V or Port Collar 5 OUSE SX Sand Handling Mileage men FLOAT EQUIPMENT Guide Shoe Centralizer Baskets **AFU** Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount X Signature Long Buch **Total Charge** 

|  | RILOBITE  | Blake Exploration  |   | 7-1  | 3s-33w  | Logan Co   | KS   |               |
|--|---|--|---|--|---|--|--|---------------|
| 編  | ESTING , INC.   | 201 S Main P.O. Box 150  |   | Wi   |   | Logan od   |  |               |
|  |   | Bogue KS   |   |  | Ticket: 6   | 3739   | DST#:1   |               |
|  |   | 67625<br>ATTN: Mike Davignon   |   |  |   | 017.06.09 @  |  |               |
|  |   |  |   |  |   |  | ,  |               |
|  | INFORMATION:  |  |   |  |   |  |  |               |
|  | C<br>No Whipstock:<br>bened: 19:36:45<br>ided: 00:15:45   | ft (KB)  |   | Tes  | ter:  | Conventiona<br>Mike Roberts<br>81  |  | e (Initial)   |
| nterval:   | 3916.00 ft (KB) To 39   | 50.00 ft (KB) (TVD)  |   | Ref  | erence E  | evations:  | 2989.00  | ft (KB)       |
| Total Depth:   | 3950.00 ft (KB) (TV   |  |   |  |   | oradono.   | 2983.00  |               |
| Hole Diamete   | er: 7.88 inchesHole   | e Condition: Fair  |   |  | KB  | to GR/CF:  | 6.00   | ft            |
| <b>Serial #:</b><br>Press@Runl<br>Start Date:<br>Start Time:   | Depth: 146.49 psig<br>2017.06.09  | End Date:  | 2017.06.10  | Capacity<br>Last Cali  | ib.:  |  | 8000.00<br>2017.06.10  | psig          |
| start nime:  | 17:48:15  | End Time:  | 00:15:45  | Time On<br>Time Off  |   | 2017.06.09 (<br>2017.06.09 (   | -  |               |
|  | IS:No return blow<br>FF:Built to 4" blov<br>FS:No return blov<br>Pressure vs. 1   | N<br>N<br>ime  | 1   | PI   | RESSUF  | RE SUMM  | ARY  |               |
|  | FF:Built to 4" blov<br>FS:No return blov<br>Pressure vs. T  | N<br>N<br>ime  | 1   | PI   | RESSUF  | RE SUMM  | ARY  |               |
| 2000   | FF:Built to 4" blov<br>FS:No return blov  | N<br>M<br>firme<br>0740 Temperature<br>7 tail types this   | Time<br>(Min)   | Pressure   | Temp  | RE SUMM  | the state of the sector of the |               |
| 2000   | FF:Built to 4" blov<br>FS:No return blov<br>Pressure vs. T  | N<br>N<br>ime  | Time<br>(Min.)<br>0                                     |  |   | Annotatio  | on<br>o-static   |               |
|  | FF:Built to 4" blov<br>FS:No return blov<br>Pressure vs. T  | N<br>M<br>firme<br>0740 Temperature<br>7 tail types this   | (Min.)<br>0<br>1  | Pressure<br>(psig)<br>1927.39<br>14.42   | Temp<br>(deg F)<br>105.88<br>105.43   | Annotatio<br>Initial Hydro<br>Open To Fl   | on<br>o-static   |               |
| 1730   | FF:Built to 4" blov<br>FS:No return blov<br>Pressure vs. T  | N<br>N<br>0740 Temperature<br>Trainiperature<br>Trainiperature<br>115  | (Min.)<br>0   | Pressure<br>(psig)<br>1927.39  | Temp<br>(deg F)<br>105.88   | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)  | on<br>o-static<br>low (1)  |               |
| 1730   | FF:Built to 4" blov<br>FS:No return blov<br>Pressure vs. T  | N<br>N<br>CP-0 Tempetatre<br>116 Mars Halt<br>100<br>100<br>100<br>100<br>100  | (Min.)<br>0<br>1<br>30<br>60                            | Pressure<br>(psig)<br>1927.39<br>14.42<br>58.77<br>1080.00<br>60.94                      | Temp<br>(deg F)<br>105.88<br>105.43<br>107.84<br>111.92<br>111.44                               | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Open To Fl   | o-static<br>low (1)<br>n(1)  |               |
| 1730   | FF:Built to 4" blov<br>FS:No return blov<br>Pressure vs. T  | N<br>N<br>N<br>10740 Temperature<br>1740 Temperature<br>1740 Temperature<br>1940 - 195<br>1940 - 195<br>1940 - 195<br>1940 - 195<br>1950 - 1950  | (Min.)<br>0<br>1<br>30<br>60<br>60<br>121               | Pressure<br>(psig)<br>1927.39<br>14.42<br>58.77<br>1080.00<br>60.94<br>146.49            | Temp<br>(deg F)<br>105.88<br>105.43<br>107.84<br>111.92<br>111.44<br>116.97                     | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Open To Fl<br>Shut-In(2)                               | on<br>o-static<br>low (1)<br>n(1)<br>low (2)   |               |
| 1700   | FF:Built to 4" blov<br>FS:No return blov<br>Pressure vs. T  | N<br>N<br>N<br>0740 Temperature<br>7140 Homerature<br>7140 Ho | (Min.)<br>0<br>1<br>30<br>60                            | Pressure<br>(psig)<br>1927.39<br>14.42<br>58.77<br>1080.00<br>60.94                      | Temp<br>(deg F)<br>105.88<br>105.43<br>107.84<br>111.92<br>111.44<br>116.97<br>115.48           | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Open To Fl   | o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)   |               |
| 1770<br>1900<br>1260<br>750<br>750<br>750<br>750   | FF:Built to 4" blov<br>FS:No return blov<br>Pressure vs. T  | N N<br>Ime<br>070 Terrystature<br>101 Terrystature<br>102 Terrystature<br>103 Terrystature<br>104 Terrystature<br>105 Terrystature<br>10   | (Min.)<br>0<br>1<br>30<br>60<br>60<br>121<br>121<br>181 | Pressure<br>(psig)<br>1927.39<br>14.42<br>58.77<br>1080.00<br>60.94<br>146.49<br>1061.99 | Temp<br>(deg F)<br>105.88<br>105.43<br>107.84<br>111.92<br>111.44<br>116.97<br>115.48           | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In                              | o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)   |               |
|  | FF:Built to 4" blox<br>FS:No return blov  | N<br>N<br>V<br>ime<br>070 Tropentice<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>10  | (Min.)<br>0<br>1<br>30<br>60<br>60<br>121<br>121<br>181 | Pressure<br>(psig)<br>1927.39<br>14.42<br>58.77<br>1080.00<br>60.94<br>146.49<br>1061.99 | Temp<br>(deg F)<br>105.88<br>105.43<br>107.84<br>111.92<br>111.44<br>116.97<br>115.48<br>115.64 | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In                              | o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)   |               |
| 1790<br>1200<br>700<br>200<br>0<br>500<br>0<br>500<br>0<br>500<br>0<br>500<br>0<br>500<br>0<br>500<br>0<br>500<br>0<br>500<br>0<br>500<br>0<br>500<br>0<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>500<br>50 | FF:Built to 4" blox<br>FS:No return blov<br>Pressure vs. T  | N<br>N<br>V<br>ime<br>070 Tropentice<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>10  | (Min.)<br>0<br>1<br>30<br>60<br>60<br>121<br>121<br>181 | Pressure<br>(psig)<br>1927.39<br>14.42<br>58.77<br>1080.00<br>60.94<br>146.49<br>1061.99 | Temp<br>(deg F)<br>105.88<br>105.43<br>107.84<br>111.92<br>111.44<br>116.97<br>115.48<br>115.64 | Annotation<br>Initial Hydro<br>Open To Fi<br>Shut-In(1)<br>End Shut-In<br>Open To Fi<br>Shut-In(2)<br>End Shut-In<br>Final Hydro | o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)<br>o-static   | s Rate (Mcf/d |
| 1790<br>1200<br>1000<br>1200<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>100<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1   | FF:Built to 4" blox<br>FS:No return blov<br>Pressure vs. T<br>The ressure v   | N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N  | (Min.)<br>0<br>1<br>30<br>60<br>60<br>121<br>121<br>181 | Pressure<br>(psig)<br>1927.39<br>14.42<br>58.77<br>1080.00<br>60.94<br>146.49<br>1061.99 | Temp<br>(deg F)<br>105.88<br>105.43<br>107.84<br>111.92<br>111.44<br>116.97<br>115.48<br>115.64 | Annotation<br>Initial Hydro<br>Open To Fi<br>Shut-In(1)<br>End Shut-In<br>Open To Fi<br>Shut-In(2)<br>End Shut-In<br>Final Hydro | o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)<br>o-static   | s Rate (Mcf/d |
| 1730<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>1200<br>120<br>12  | FF:Built to 4" blox<br>FS:No return blov<br>Pressure vs. T<br>Configuration<br>The first 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| 1790<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>100<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1   | FF:Built to 4" blox<br>FS:No return blov<br>Pressure vs. T<br>The ressure v   | N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N<br>N  | (Min.)<br>0<br>1<br>30<br>60<br>60<br>121<br>121<br>181 | Pressure<br>(psig)<br>1927.39<br>14.42<br>58.77<br>1080.00<br>60.94<br>146.49<br>1061.99 | Temp<br>(deg F)<br>105.88<br>105.43<br>107.84<br>111.92<br>111.44<br>116.97<br>115.48<br>115.64 | Annotation<br>Initial Hydro<br>Open To Fi<br>Shut-In(1)<br>End Shut-In<br>Open To Fi<br>Shut-In(2)<br>End Shut-In<br>Final Hydro | o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)<br>o-static   | s Rate (Mcf/d |
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| LE PU   | RILOBITE                        | Blake Exploration                   |                 | 7-13:                    | s-33w L        | .ogan Co                          | KS                         |
|---|---------------------------------|-------------------------------------|-----------------|--------------------------|----------------|-----------------------------------|----------------------------|
|   | ESTING , INC.                   | 201 S Main P.O. Box 150<br>Bogue KS |                 | Wu                       |                |                                   |                            |
|   |                                 | 67625                               |                 | Job T                    | icket: 63      | 739                               | DST#:2                     |
|   |                                 | ATTN: Mike Davignon                 |                 | Test S                   | Start: 20      | 17.06.10 @                        | 07:30:15                   |
| GENERAL I                                     | NFORMATION:                     |                                     |                 |                          |                |                                   |                            |
| Formation:                                    | D&E                             |                                     |                 |                          |                |                                   |                            |
| Deviated:<br>Fime Tool Oper<br>Fime Test Ende |                                 | ft (KB)                             |                 | Test<br>Teste<br>Unit N  | er: N          | Conventiona<br>Nike Roberts<br>31 | I Bottom Hole (Reset)      |
| nterval:                                      | 3945.00 ft (KB) To 39           | 85.00 ft (KB) (TVD)                 |                 | Refer                    | rence Ele      | vations:                          | 2989.00 ft (KB)            |
| Fotal Depth:                                  | 3985.00 ft (KB) (TV             |                                     |                 |                          |                |                                   | 2983.00 ft (CF)            |
| -lole Diameter:                               | 7.88 inchesHole                 | Condition: Fair                     |                 |                          | KB te          | o GR/CF:                          | 6.00 ft                    |
| Serial #: 6                                   |                                 | 0 00 40 00 11 (147)                 |                 |                          |                |                                   |                            |
| Press@RunDe<br>Start Date:                    | epth: 140.63 psig<br>2017.06.10 | @ 3949.00 ft (KB)<br>End Date:      | 2017.06.10      | Capacity:<br>Last Calib. |                |                                   | 8000.00 psig<br>2017.06.10 |
| Start Time:                                   | 07:30:15                        | End Time:                           | 12:53:30        | Time On B                |                |                                   | @ 09:14:15                 |
|   |                                 |                                     |                 | Time Off B               | Stm: 2         | 2017.06.10                        | @ 11:15:15                 |
| 2000  | 6749 Pressure                   | 6749 Temperature                    | Time            | Pressure                 | Temp           | Annotati                          |                            |
|   | Pressure vs. 7                  |                                     | Τ               | PR                       | ESSUR          | RE SUMM                           | ARY                        |
| 2000  |                                 | 5 Sint Holm-Holic 110               | (Min.)          |                          | (deg F)        | Annotatio                         | n                          |
| 1750  |                                 |                                     | 0               | 1950.49                  | 103.48         |                                   |                            |
| 1500  |                                 | - 105                               | 31              | 15.22<br>82.47           | 102.96         | Open To F<br>Shut-In(1)           |                            |
| 1250  |                                 |                                     | . 61            | 1039.75                  | 104.72         |                                   |                            |
| 1000  |                                 | 44(7) Formering 2 - 95              | 62<br>90<br>121 | 82.74                    |                | Open To F                         |                            |
| 1000  |                                 |                                     | 90              | 140.63                   |                | Shut-In(2)<br>End Shut-           |                            |
| 750   |                                 |                                     | 121<br>121      | 1020.93<br>1885.28       |                | Final Hydr                        |                            |
| 500 <del>[</del>                              |                                 |                                     | 1 .21           | 1000.20                  | 112.01         | r indi r iyar                     | o otatio                   |
| 250   |                                 |                                     |                 |                          |                |                                   |                            |
|   | antaro -                        | 2 76                                |                 |                          |                |                                   |                            |
| 0 Sat Jun 2017                                | GAM 10AM<br>Time (Hours)        | 11AM 12PM 1PM                       |                 |                          |                |                                   |                            |
|   |                                 |                                     |                 |                          |                |                                   |                            |
| Length (ft)                                   | Recovery<br>Description         | Volume (bbl)                        |                 |                          | Ga<br>Choke (i | s Rates                           | ure (psig) Gas Rate (Mcf/  |
| 154.00  | w cm 10%w 90%m                  | 2.16                                |                 |                          |                |                                   |                            |
| 124.00  | wcm40%w 60%m                    | 1.74                                |                 |                          |                |                                   |                            |
|   |                                 |                                     |                 |                          |                |                                   |                            |
|   |                                 |                                     |                 |                          |                |                                   |                            |

| RILOBITE   | Blake Exploration  |                                | DRT   | 00.2200 1  | ogan Co K  |                                      |                |
|--|--|--------------------------------|---|--|--|--------------------------------------|----------------|
| TESTING, INC.  | Diake Exploi alloi i   |                                |   |  | .ogan Co K   | 10                                   |                |
| Loting, inc.   | 201 S Main P.O. Box 150<br>Bogue KS                                |                                | Wu  | <b>1</b><br>Ticket: 63   | 740  | DST#:3                               |                |
|  | 67625<br>ATTN: Mike Davignon                                       |                                |   |  | 17.06.11 @ 0   |                                      |                |
| uhadh.   | ,  |                                |   |  |  |                                      |                |
| ENERAL INFORMATION:  |  |                                |   |  |  |                                      |                |
| ormation: J<br>eviated: No Whipstock:<br>ime Tool Opened: 02:18:00<br>ime Test Ended: 06:10:45   | ft (KB)  |                                | Test<br>Test<br>Unit  | er: N  | Conventional B<br>/like Roberts<br>/1  | Bottom Hole                          | e (Reset)      |
| nterval:         4075.00 ft (KB) To         41           Total Depth:         4110.00 ft (KB) (TV)         1000 ft (KB)         1000 ft (KB)           Hole Diameter:         7.88 inchesHole         1000 ft (KB)         1000 ft (KB)  | (D)  |                                | Refe  | erence ⊟e<br>KB te   | vations:<br>o GR/CF:   | 2989.00<br>2983.00<br>6.00           | ft (CF)        |
| Serial #: 6749 Outside   |  |                                | <b>K</b> angana sa kata |  |  |                                      |                |
| Press@RunDepth: 43.78 psig   |  |                                | Capacity  |  |  | 8000.00                              | psig           |
| Start Date: 2017.06.11<br>Start Time: 00:19:15   | End Date:<br>End Time:   | 2017.06.11<br>06:10:45         | Last Calit<br>Time On I   |  | 20<br>2017.06.11 @   | 017.06.11<br>02:17:45                |                |
|  |  |                                | Time Off  | Btm: 2   | 2017.06.11 @   | 04:20:00                             |                |
| FS:No return blo<br>Pressure vs. T   | îme  |                                |   |  | E SUMMA  |                                      |                |
| 0749 Pressure  | 6749 Temperature   | Time                           | Pressure  | Temp   | Annotation   |                                      |                |
| 2000   |  |                                | (noid)  |  |  |                                      |                |
|  | 115  | (Min.)<br>0                    | (psig)<br>2053.37   | (deg F)<br>108.76  |  |                                      |                |
|  | 115  | 0                              | 2053.37<br>16.25  | 108.76<br>108.20   | Open To Flor   |                                      |                |
|  | 10   | 0<br>1<br>33<br>59             | 2053.37<br>16.25<br>29.08<br>1045.31  | 108.76<br>108.20<br>111.82<br>113.53   | Open To Flor<br>Shut-In(1)<br>End Shut-In(   | w (1)<br>1)                          |                |
|  | 110<br>1400<br>1400  | 0<br>1<br>33<br>59             | 2053.37<br>16.25<br>29.08<br>1045.31<br>32.31   | 108.76<br>108.20<br>111.82<br>113.53<br>113.12                               | Open To Flor<br>Shut-In(1)<br>End Shut-In(<br>Open To Flor   | w (1)<br>1)                          |                |
|  | 110<br>110<br>100<br>100<br>100<br>100<br>100<br>100               | Termonature (deg 122           | 2053.37<br>16.25<br>29.08<br>1045.31<br>32.31<br>43.78<br>1020.53   | 108.76<br>108.20<br>111.82<br>113.53<br>113.12<br>117.54<br>116.81           | Open To Flor<br>Shut-In(1)<br>End Shut-In(<br>Open To Flor<br>Shut-In(2)<br>End Shut-In(                 | w (1)<br>1)<br>w (2)<br>2)           |                |
|  | 110<br>1400<br>1400  | 0<br>1<br>33<br>59<br>60<br>90 | 2053.37<br>16.25<br>29.08<br>1045.31<br>32.31<br>43.78  | 108.76<br>108.20<br>111.82<br>113.53<br>113.12<br>117.54<br>116.81           | Open To Flor<br>Shut-In(1)<br>End Shut-In(<br>Open To Flor<br>Shut-In(2)                                 | w (1)<br>1)<br>w (2)<br>2)           |                |
| 1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>100<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1 | 110<br>110<br>110<br>100<br>100<br>100<br>100<br>100<br>100<br>100 | Termonature (deg 122           | 2053.37<br>16.25<br>29.08<br>1045.31<br>32.31<br>43.78<br>1020.53   | 108.76<br>108.20<br>111.82<br>113.53<br>113.12<br>117.54<br>116.81<br>117.05 | Open To Flor<br>Shut-In(1)<br>End Shut-In(<br>Open To Flor<br>Shut-In(2)<br>End Shut-In(<br>Final Hydro- | w (1)<br>1)<br>w (2)<br>2)           |                |
|  | 110<br>110<br>110<br>100<br>100<br>100<br>100<br>100<br>100<br>100 | Termonature (deg 122           | 2053.37<br>16.25<br>29.08<br>1045.31<br>32.31<br>43.78<br>1020.53   | 108.76<br>108.20<br>111.82<br>113.53<br>113.12<br>117.54<br>116.81<br>117.05 | Open To Flor<br>Shut-In(1)<br>End Shut-In(<br>Open To Flor<br>Shut-In(2)<br>End Shut-In(<br>Final Hydro- | w (1)<br>1)<br>w (2)<br>2)<br>static | as Rate (Mcf/d |
| 1 Sun Jun 2017   | ало<br>ало<br>ало<br>ало<br>ало<br>ало<br>ало<br>ало               | Termonature (deg 122           | 2053.37<br>16.25<br>29.08<br>1045.31<br>32.31<br>43.78<br>1020.53   | 108.76<br>108.20<br>111.82<br>113.53<br>113.12<br>117.54<br>116.81<br>117.05 | Open To Flor<br>Shut-In(1)<br>End Shut-In(<br>Open To Flor<br>Shut-In(2)<br>End Shut-In(<br>Final Hydro- | w (1)<br>1)<br>w (2)<br>2)<br>static | as Rate (Mcf/o |
| 100<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Volume (bbl)   | Termonature (deg 122           | 2053.37<br>16.25<br>29.08<br>1045.31<br>32.31<br>43.78<br>1020.53   | 108.76<br>108.20<br>111.82<br>113.53<br>113.12<br>117.54<br>116.81<br>117.05 | Open To Flor<br>Shut-In(1)<br>End Shut-In(<br>Open To Flor<br>Shut-In(2)<br>End Shut-In(<br>Final Hydro- | w (1)<br>1)<br>w (2)<br>2)<br>static | as Rate (Mcf/c |
| 100<br>100<br>100<br>100<br>100<br>100<br>100<br>100   | Volume (bbl)   | Termonature (deg 122           | 2053.37<br>16.25<br>29.08<br>1045.31<br>32.31<br>43.78<br>1020.53   | 108.76<br>108.20<br>111.82<br>113.53<br>113.12<br>117.54<br>116.81<br>117.05 | Open To Flor<br>Shut-In(1)<br>End Shut-In(<br>Open To Flor<br>Shut-In(2)<br>End Shut-In(<br>Final Hydro- | w (1)<br>1)<br>w (2)<br>2)<br>static | as Rate (Mcf/d |
| 11 San Jan 2017  | Volume (bbl)   | Termonature (deg 122           | 2053.37<br>16.25<br>29.08<br>1045.31<br>32.31<br>43.78<br>1020.53   | 108.76<br>108.20<br>111.82<br>113.53<br>113.12<br>117.54<br>116.81<br>117.05 | Open To Flor<br>Shut-In(1)<br>End Shut-In(<br>Open To Flor<br>Shut-In(2)<br>End Shut-In(<br>Final Hydro- | w (1)<br>1)<br>w (2)<br>2)<br>static | as Rate (Mcf/d |

| RILOBITE   | Blake Exploration  |   | 7-44  | 36-3314   | Logan Co   | Ke   |                 |
|--|--|---|---|---|--|--|-----------------|
| ESTING, INC.   |  |   |   |   | Lugan Cu   | NO   |                 |
|  | 201 S Main P.O. Box 150<br>Bogue KS  |   | Wu  |   |  |  |                 |
|  | 67625  |   |   | Ticket: 6   |  | DST#:4   |                 |
|  | ATTN: Mike Davignon  |   | Test  | t Start: 20   | 017.06.11 @  | 18:16:15   |                 |
| GENERAL INFORMATION:   |  |   |   |   |  |  |                 |
| Formation: <b>K</b><br>Deviated: No Whipstock:   | ft (KB)  |   | Tost  | t Type:   | Conventiona  | l Pottom Hol   | o (Ponot)       |
| Time Tool Opened: 19:54:00<br>Time Test Ended: 23:25:00  | n (NO)   |   | Test  | ter:  | Mike Roberts<br>81   |  | e (Resel)       |
| Interval: 4110.00 ft (KB) To 41  | 80.00 ft (KB) (TVD)  |   | Refe  | erence 🖽  | evations:  | 2989.00  | ft (KB)         |
| Total Depth: 4180.00 ft (KB) (TV   |  |   |   |   |  | 2983.00  |                 |
| Hole Diameter: 7.88 inches Hole  | Condition: Fair  |   |   | KB  | to GR/CF:  | 6.00   | ft              |
| Serial #: 6749 Outside   |  |   |   |   |  |  |                 |
| Press@RunDepth: 53.59 psig<br>Start Date: 2017.06.11   | @ 4150.00 ft (KB)<br>End Date:   | 2017.06.11                                      | Capacity:   |   | ,  | 8000.00  | psig            |
| Start Time: 2017.00.11   | End Time:  | 2017.06.11                                      | Last Calik<br>Time On I   |   | 2017.06.11 (   | 2017.06.11<br>@ 10.53.45   |                 |
|  |  | 20.20.00  | Time Off  |   | 2017.06.11 (   | -  |                 |
| FS:No return blov  |  |   |   |   |  |  |                 |
| FS:No return blov  | N  |   |   |   |  |  |                 |
| Pressure vs. T   | ime  | 1   | PF  | RESSUF  | RE SUMM  | ARY  |                 |
|  |  | Time  | Pressure  | Temp  | Annotatio  |  |                 |
| Pressure vs. T   | ime  | Time<br>(Min.)<br>0                             |   |   | Annotatio  | n  |                 |
| 2250 O'41 Pressure vs. Tr<br>0/41 Pressure   | ime<br>0740 Temperature  | (Min.)  | Pressure<br>(psig)<br>2119.53<br>35.87  | Temp<br>(deg F)<br>108.76<br>107.84   | Annotatio<br>Initial Hydro<br>Open To Fl   | on<br>o-static   |                 |
| Pressure vs. Tr<br>2200<br>2000  | ime<br>0740 Temperature<br>110<br>110<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>10   | (Min.)<br>0<br>1<br>31                          | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88   | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51   | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)  | on<br>o-static<br>low (1)  |                 |
| Pressure vs. Tr<br>6749 Pressure<br>2000<br>1760<br>1900   | ime<br>0740 Temperature<br>110<br>110<br>100<br>100<br>100<br>100  | (Min.)<br>0<br>1<br>31<br>61                    | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74                              | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67   | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-Ir   | on<br>o-static<br>low (1)<br>n(1)                                |                 |
| 2200   | ime<br>010 Temperature<br>010 Temperature<br>110<br>101<br>102<br>103<br>103<br>104<br>105<br>105<br>105<br>105<br>105<br>105<br>105<br>105  | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94        | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88   | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23                               | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)  | on<br>o-static<br>low (1)<br>n(1)                                |                 |
| Pressure vs. Tr<br>774 Pressure<br>200<br>100<br>100<br>100<br>100<br>100<br>100<br>100  | ime<br>PPP Temperature<br>PPP Temperature<br>P | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66           | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In                | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)             |                 |
| Pressure vs. Tr<br>0740 Pressure<br>2000<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>17500<br>1750<br>1750<br>1750<br>1750<br>1750<br>175     | ime<br>PPP Temperature<br>PPP Temperature<br>P | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94        | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59            | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66           | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Open To Fl<br>Shut-In(2)                 | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)             |                 |
| Pressure vs. Tr<br>0749 Presure<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759<br>1759      | ime<br>PPP Temperature<br>PPP Temperature<br>P | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66           | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In                | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)             |                 |
| Pressure vs. Tr<br>0740 Pressure<br>2000<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>1750<br>17500<br>1750<br>1750<br>1750<br>1750<br>1750<br>175     | ime<br>PPP Temperature<br>PPP Temperature<br>P | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66           | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In                | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)             |                 |
| Pressure vs. Tr<br>000<br>1780<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>1790<br>17 | ime<br>0740 Temperature<br>0740 Temperature<br>110<br>100<br>100<br>100<br>100<br>100<br>100<br>10   | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66           | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In                | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)             |                 |
| Pressure vs. Tr<br>7049 Pressure<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050<br>1050     | ime<br>0120 Temperature<br>0120 Temperature<br>110<br>100<br>100<br>100<br>100<br>100<br>100<br>10   | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66           | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In                | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)             |                 |
| Pressure vs. Tr  | ime<br>0740 Temperature<br>0740 Temperature<br>110<br>100<br>100<br>100<br>100<br>100<br>100<br>10   | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66<br>113.12 | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In                | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)             |                 |
| Pressure vs. Tr<br>200<br>000<br>100<br>100<br>100<br>100<br>100<br>100  | ime<br>PPP Temperature<br>PPP Temperature<br>P | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66<br>113.12 | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In<br>Final Hydro | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)<br>o-static | is Rate (Mct/d) |
| Pressure vs. Tr  | ime<br>CFA Temperature<br>0 FA Tem               | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66<br>113.12 | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In<br>Final Hydro | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)<br>o-static | is Rate (Mct/d) |
| Pressure vs. Tr<br>200<br>000<br>100<br>100<br>100<br>100<br>100<br>100  | ime<br>PPP Temperature<br>PPP Temperature<br>P | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66<br>113.12 | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In<br>Final Hydro | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)<br>o-static | is Rate (Mct/d) |
| Pressure vs. Tr<br>200<br>000<br>100<br>100<br>100<br>100<br>100<br>100  | ime<br>PPP Temperature<br>PPP Temperature<br>P | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66<br>113.12 | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In<br>Final Hydro | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)<br>o-static | is Rate (Mct/d  |
| Pressure vs. Tr<br>CHI Pressure<br>1740  | ime<br>PPP Temperature<br>PPP Temperature<br>P | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66<br>113.12 | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In<br>Final Hydro | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)<br>o-static | is Rate (Mct/d) |
| Pressure vs. Tr<br>200<br>000<br>100<br>100<br>100<br>100<br>100<br>100  | ime<br>PPP Temperature<br>PPP Temperature<br>P | (Min.)<br>0<br>1<br>31<br>61<br>61<br>94<br>120 | Pressure<br>(psig)<br>2119.53<br>35.87<br>40.88<br>1055.74<br>43.09<br>53.59<br>1012.51 | Temp<br>(deg F)<br>108.76<br>107.84<br>109.51<br>110.67<br>110.23<br>111.72<br>112.66<br>113.12 | Annotation<br>Initial Hydro<br>Open To Fl<br>Shut-In(1)<br>End Shut-In<br>Shut-In(2)<br>End Shut-In<br>Final Hydro | on<br>o-static<br>low (1)<br>n(1)<br>low (2)<br>n(2)<br>o-static | s Rate (Mcf/d   |