### Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000 Rule 165: 10-3-25

API No.: 35051242780001

OTC Prod. Unit No.:

**Completion Report** 

Spud Date: November 11, 2018

Drilling Finished Date: November 20, 2018

1st Prod Date:

Completion Date: February 08, 2019

#### Drill Type: STRAIGHT HOLE

### SERVICE WELL

Well Name: PEARL 1-19 SWD

Location: GRADY 19 10N 7W C NE NE NE 2310 FSL 2310 FWL of 1/4 SEC Derrick Elevation: 1332 Ground Elevation: 1320

Operator: MAVERICK BROTHERS OPERATING INC 22742 PO BOX 392 1710 W WILLOW RD BLDG 3 STE 14 ENID, OK 73702-0392 Purchaser/Measurer:

First Sales Date:

| Completion Type | Location Exception | Increased Density |
|-----------------|--------------------|-------------------|
| Single Zone     | Order No           | Order No          |
| Multiple Zone   | N/A                | N/A               |
| Commingled      |                    |                   |

|      |        |     |       | С         | asing and Cen   | nent         |     |          |       |              |
|------|--------|-----|-------|-----------|-----------------|--------------|-----|----------|-------|--------------|
| Т    | уре    |     | Size  | Weight    | Grade           | Fe           | et  | PSI      | SAX   | Top of CMT   |
| CONE | DUCTOR |     | 20    |           |                 | 6            | 0   |          | 8     |              |
| SUF  | RFACE  |     | 9 5/8 | 36        | J-55            | 71           | 5   |          | 205   | SURFACE      |
| PROD | UCTION |     | 7     | 26        | J-55            | 74           | 50  |          | 740   | 2250         |
|      |        |     |       |           | Liner           |              |     |          |       |              |
| Туре | Size   | Wei | ght   | Grade     | Length          | PSI          | SAX | Тор      | Depth | Bottom Depth |
|      |        |     |       | There are | no Liner record | ds to displa | ay. | <u> </u> |       | 1            |

## Total Depth: 7450

| Pac   | ker          | PI                | ug                  |
|-------|--------------|-------------------|---------------------|
| Depth | Brand & Type | Depth             | Plug Type           |
| 4575  | ARROW AS-1X  | There are no Plug | records to display. |

Initial Test Data

| Test Date    | Format                        | ion                             | Oil<br>BBL/Day        | Oil-Gravity<br>(API) | Gas<br>MCF/Da         | 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 |
|--------------|-------------------------------|---------------------------------|-----------------------|----------------------|-----------------------|---|------------------|----------------------|---------------------------------|---------------|-------------------------|
|              |                               |                                 |                       | There are            | no Initial D          | ata records to dis  | play.            |                      |                                 |               |                         |
|              |                               |                                 | Cor                   | npletion an          | d Test Dat            | a by Producing I  | Formation        |                      |                                 |               |                         |
|              | Formation N                   | ame: CISCO                      |                       |                      | Code:                 | 406CSCO   | C                | lass: COMM           | DISP                            |               |                         |
|              | Spacing                       | Orders                          |                       |                      |                       | Perforated  | Intervals        |                      |                                 |               |                         |
| Orde         | er No                         | Unit                            | t Size                |                      | Fr                    | om  | ٦                | Го                   |                                 |               |                         |
| There ar     | e no Spacing C                | order records to                | o display.            |                      | 46                    | 600   | 67               | 779                  |                                 |               |                         |
|              | Acid Vo                       | olumes                          |                       |                      |                       | Fracture Tre  | eatments         |                      | _                               |               |                         |
|              | 37,300 GALLC                  | ONS 15% HCL                     |                       |                      |                       | N/A   | L.               |                      |                                 |               |                         |
|              | Formation N                   | ame: HOXBAF                     | २                     |                      | Code:                 | 405HXBR   | C                | lass: COMM           | DISP                            |               |                         |
|              | Spacing                       | Orders                          |                       |                      |                       | Perforated  | Intervals        |                      |                                 |               |                         |
| Orde         | er No                         | Unit                            | t Size                |                      | Fr                    | om  | 1                | Го                   |                                 |               |                         |
| There ar     | e no Spacing C                | order records to                | o display.            |                      | 67                    | 780   | 72               | 220                  |                                 |               |                         |
|              | Acid Vo                       | olumes                          |                       |                      |                       | Fracture Tre  | eatments         |                      | 7                               |               |                         |
|              | ACIDIZED WIT                  | H THE CISCC                     | )                     |                      |                       | N/A   |                  |                      |                                 |               |                         |
| Formation    |                               |                                 | I                     | ор                   |                       |   |                  |                      |                                 |               |                         |
| PONTOTOC     |                               |                                 |                       | op                   | 3070                  | Were open hole<br>Date last log run                               | -                |                      |                                 |               |                         |
| CISCO        |                               |                                 |                       |                      | 4509                  | -   |                  |                      |                                 |               |                         |
| HOXBAR       |                               |                                 |                       |                      | 6780                  | Were unusual dr<br>Explanation:                                   | liling circums   | tances enco          | untered? No                     |               |                         |
| UPPER WADE   |                               |                                 |                       |                      | 6784                  |   |                  |                      |                                 |               |                         |
| LOWER WADE   |                               |                                 |                       |                      | 7361                  |   |                  |                      |                                 |               |                         |
| Other Remark | S                             |                                 |                       |                      |                       |   |                  |                      |                                 |               |                         |
| STRING AS FO | OLLOWS. SQL<br>50 SACKS, 4,68 | JEEZE 7" CAS<br>30' WITH 250 \$ | ING 7,100<br>SACKS. T | WITH 200             | SACKS, 6,<br>IENT FOR | ING LONG STRIN<br>685' WITH 300 S/<br>1ST STAGE AFT<br>ER 684829. | ACKS, 5,680'     | WITH 200 S           | ACKS, 5,420                     | WITH 1        | 00 SACKS,               |

# FOR COMMISSION USE ONLY

1142234

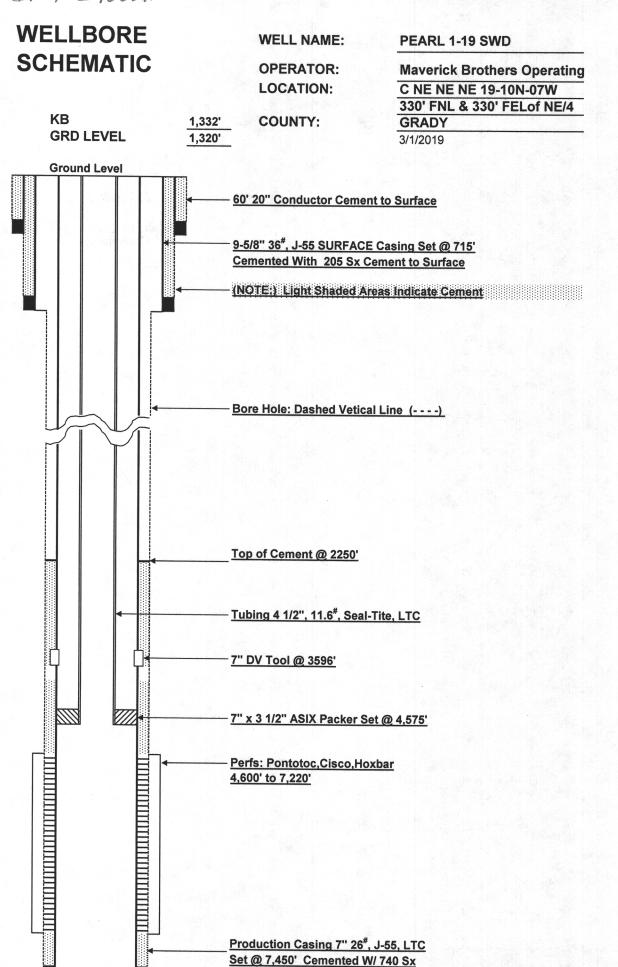
Status: Accepted

| API<br>NO. 3505124278<br>OTC PROD.<br>UNIT NO.                                  | (FLEASI                                |   | vec BLAC                   | K INK ONLY)              | O             | Oklahoma C     | Office Box  | 52000<br>a 73152-2000   |             |             | <b>EIVI</b><br>8 201 |  |
|---|--|---|----------------------------|--------------------------|---------------|----------------|-------------|---|-------------|-------------|----------------------|--|
| AMENDED (Reason)  |  |   |                            |                          | -             |                | LETION R    |   | Okla        | homa        | Corpora              | ation  |
| TYPE OF DRILLING OPERATIC   | N<br>DIRECTIONAL H                     | IOLE                                      | Пнові                      | ZONTAL HOLE              | SPUC          | DATE           | 11/11/      | /2018   |             |             | 1849 APres           |  |
| SERVICE WELL  |  |   |                            |                          |               | FINISHED       | 11/20/      | /2018   |             |             |                      | <u> </u>   |
| COUNTY GRAD   |  |   | TWP 10N                    | RGE 7W                   | DATE          | OF WELL        | 02/08/      | /2019   | 4)<br>      |             |                      |  |
| EASE  | PEARL SM                               | ¢D  | 1                          | WELL 1-                  | 19 514        |                | N.          | N NY  |             |             |                      |  |
| C 1/4 NE 1/4 NE   |  | FSL OF                                    |                            | INU.                     |               | MP DATE        | 14/         |   | w           |             |                      |  |
| ELEVATION 1222 Groun  |  | 1/4 SEC                                   |                            | 1/4 SEC 20<br>35º 20'00. |               | ongitude       | 079501      | 00.040  |             |             |                      |  |
|   | RICK BROT                              | Contraction States                        |                            |                          |               | f known)       | 97°58'2     |   |             |             |                      |  |
| AME WAVE  | NON BRUT                               | neko                                      |                            |                          | OPERATO       |                | 227         | 42  |             |             |                      |  |
|   |  |   | POB                        | OX 392                   |               |                |             |   |             |             | -                    |  |
| UTY   | ENID                                   |   |                            | STATE                    | OK            | ZIP            | 737         | /02   | Ļ           | ll<br>L     | OCATE WE             | L L<br>LL  |
| SINGLE ZONE   |  |   |                            | NG & CEMEN               |               |                |             |   |             | P           |                      | T  |
| MULTIPLE ZONE   |  |   | CONT                       |                          | SIZE          | WEIGHT         | GRADE       | FEET  |             | PSI         | SAX                  | TOP OF CMT   |
| Application Date<br>COMMINGLED  |  |   | SURF                       |                          | 9 5/8         | 36#            | J-55        | 60'   |             |             | 8                    |  |
| Application Date<br>OCATION EXCEPTION<br>ORDER NO.                              | NA                                     |   | -                          | RMEDIATE                 | 9 0/0         | #00            | 0-00        | 715'  |             |             | 205                  | SURFACE  |
| NCREASED DENSITY<br>ORDER NO.   | NA                                     |   | -                          | DUCTION                  | 7"            | 26#            | J-55        | 7450'   |             |             | 740                  | 2250'  |
| MULL NU.  |  |   |                            |                          | <b> </b>      | 207            | 0-00        | See Additi  | onal        | In          | Other                | Remarks  |
| ACKER @ 4575' BRAN  | D&TYPE AF                              | ROW AS                                    | S-1X PLUG                  | . A                      | I<br>TYPE     | L              | PLUG @      | terre and the second |             | [           | TOTAL                | 7,450  |
| ERFORATED<br>ITERVALS<br>CID/VOLUME<br>RACTURE TREATMENT<br>luids/Prop Amounts) | 15% HC                                 |   |                            | 780-72                   | 20            |                |             |   |             |             |                      |  |
| NITIAL TEST DATA  |  | Min Gas<br>Oil Allo                       | s Allowable<br>OR<br>wable | (165:                    | 10-17-7)      |                |             | urchaser/Measu<br>Sales Date  | °Or         | 1913        |                      |  |
| NITIAL TEST DATE  | N                                      | A   |                            | -ii-                     |               |                |             |   |             |             |                      | é internet i |
| IL-BBL/DAY  |  |   |                            |                          |               |                |             |   |             |             |                      |  |
| IL-GRAVITY ( API)   |  |   |                            |                          |               | 1111           | 11111       |   |             |             |                      | <u> </u>   |
| AS-MCF/DAY  |  |   |                            |                          |               | ╶┤┢╋┷┷         |             |   |             |             |                      |  |
| AS-OIL RATIO CU FT/BBL  |  |   |                            |                          |               |                | C (         | SUB   | V           | TTE         | 'n I                 |  |
| ATER-BBL/DAY  |  |   |                            |                          |               |                |             | JUD   |             |             |                      |  |
| UMPING OR FLOWING   |  |   |                            |                          |               |                |             |   |             |             |                      |  |
| IITIAL SHUT-IN PRESSURE   |  |   |                            |                          |               |                |             |   |             |             |                      |  |
| HOKE SIZE   |  | je se |                            |                          |               |                |             |   |             |             |                      |  |
| LOW TUBING PRESSURE   |  | <del></del>                               |                            | 1979 - 38<br>1979 - 36   |               |                |             |   |             |             |                      |  |
| A record of the formations drille<br>to make this report, which was r           | d through, and pe<br>prepared by me or | ertinent rem                              | arks are presupervision a  | sented on the re         | everse. I dec | lare that I ha | ve knowledg | e of the contents   | of this rep | port and am | authorized b         | y my organization  |

Form 1002A Rev. 2009

| NAMES OF FO   | ORMATIONS   |                              |  | TOP   |  |  |   |   |  |
|---|---|------------------------------|--|---|--|--|---|---|--|
| ontotoc   |   |                              |  | 3,070   |  |  | FOR   | COMMISSION USE (  | ONLY   |
| isco  |   |                              |  | 4,509   |  | ITD on file  | YES NO  |   |  |
| oxbar   |   |                              |  | 6780  |  | APPROVED   | DISAPPROVED   | ) Reject Codes  |  |
| pper Wa   | Ide   |                              |  | Constant of   |  |  | and a second strength of the second strength | I Reject Codes  |  |
| ower Wa   |   |                              |  | 6,784   |  |  | -   |   |  |
|   | ide   |                              |  | 7,361   |  |  | -   |   |  |
| D   |   |                              |  | 7,450   |  |  |   |   |  |
|   |   |                              |  |   |  |  | -   |   | 97 - 1979 - 19-19-19-19-19-19-19-19-19-19-19-19-19-1 |
|   |   |                              |  |   |  |  |   |   |  |
|   |   |                              |  |   |  |  |   |   |  |
|   |   |                              |  |   |  |  |   |   |  |
|   |   |                              |  |   |  | Were open hole is  |   | <u>X_</u> no  |  |
|   |   |                              |  |   |  | Date Last log was  |   | v   | anni da anna a                                       |
|   |   |                              |  |   |  | Was CO <sub>2</sub> encour   |   | X no at what dep  | oths?  |
|   | κ.  |                              |  |   |  | Was H <sub>2</sub> S encount   | tered?yes   | X no at what dep  |  |
|   |   |                              |  |   |  | Were unusual dril  | lling circumstances encountered   | •   | yes _X_no  |
|   |   |                              |  |   |  | If yes, briefly expl   | Iain Delow  |   |  |
| er remarks:   |   |                              |  | <u> </u>  |  | L  | nen million and an  |   |  |
|   | 7" Cement   | Detail: 1st S                | tage 525 sa  | acks. Partial   | return   | ns during long strir   | ng cementing operatior  | s. Remediate  | long string as fo                                    |
| or romo   |   |                              |  |   |  | , one, o 120 w 100   | sks, 5014 w/150 sks, 4  | 000 W/200 SKS   | TUC for 1st sta                                      |
| eriene  | dial work is 4  | 2.30                         |  |   |  |  |   |   |  |
|   | dial work is 4  |                              |  |   |  |  |   |   |  |
|   | dial work is 4<br>- 215 sacks [   |                              | , TOC @22  | 250. DK   | ZDE  | 5R 684 «   | 829   |   |  |
|   |   |                              | 5, TOC @22   | <sup>250.</sup> D¥  | ZDE  | FR 684 «   | 829   |   |  |
|   |   |                              | 6, TOC @22   | 250. D¥   | ZDE  | 5R 684 «   | 829   |   |  |
|   |   |                              |  | UF  |  |  | 829   |   |  |
|   | - 215 sacks [   |                              |  | HOLE LOCATIO  | N FOR I  | DIRECTIONAL HOLE   |   |   |  |
|   | - 215 sacks [   |                              | BOTTOM   | HOLE LOCATIO  |  | DIRECTIONAL HOLE   |   |   |  |
|   | - 215 sacks [   |                              | BOTTOM I<br>SEC<br>Spot Locat  | HOLE LOCATIO  | N FOR I  | DIRECTIONAL HOLE   | TY<br>1/4 Feet From 1/4 Sec Line  |   | FWL  |
|   | - 215 sacks [   |                              | BOTTOM I<br>SEC<br>Spot Locat  | HOLE LOCATIO  | N FOR  |  | TY  |   | FWL  |
|   | - 215 sacks [   |                              | BOTTOM I<br>SEC<br>Spot Locat  | HOLE LOCATIO  | N FOR  | DIRECTIONAL HOLE   | TY<br>1/4 Feet From 1/4 Sec Line  |   | FWL  |
| -   | - 215 sacks [   |                              | BOTTOM I<br>SEC<br>Spot Locat<br>Measured  | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth  | IN FOR I   | DIRECTIONAL HOLE   | TY<br>1/4 Feet From 1/4 Sec Line<br>BHL From Lease, Unit,   |   | FWL  |
|   | - 215 sacks [   |                              | BOTTOM I<br>SEC<br>Spot Locat<br>Measured<br>BOTTOM I  | HOLE LOCATIO<br>TWP<br>1/4<br>Total Depth<br>HOLE LOCATIO   | N FOR I  | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA   | TY<br>1/4 Feet From 1/4 Sec Line<br>BHL From Lease, Unit,<br>ATERALS)   |   | FWL  |
|   | - 215 sacks [   |                              | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>*</sup><br>BOTTOM I<br>LATERAL<br>SEC   | HOLE LOCATIO<br>TWP<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP   | IN FOR I   | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA   | TY<br>1/4 Feet From 1/4 Sec Line<br>BHL From Lease, Unit,<br>ATERALS)   |   | FWL  |
|   | - 215 sacks [   |                              | BOTTOM I<br>SEC<br>Spot Locat<br>Measured<br>BOTTOM I  | HOLE LOCATIO<br>TWP<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP   | N FOR I  | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA   | TY<br>1/4 Feet From 1/4 Sec Line<br>BHL From Lease, Unit,<br>ATERALS)<br>TY   | or Property Line:   |  |
| d stage   | - 215 sacks [   | DV Tool 3596                 | BOTTOM I<br>SEC<br>Spot Locat<br>Measured 7<br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of   | HOLE LOCATIO<br>TWP<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion  | N FOR I  | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA   | TY<br>1/4 Feet From 1/4 Sec Line<br>BHL From Lease, Unit,<br>ATERALS)<br>TY   | or Property Line:   | FWL  |
| d stage   | - 215 sacks [   | DV Tool 3596                 | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation   | HOLE LOCATIO<br>TWP<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion  | N FOR I  | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA   | TY<br>1/4 Feet From 1/4 Sec Line<br>BHL From Lease, Unit,<br>ATERALS)<br>TY<br>1/4 Feet From 1/4 Sec Line<br>Direction  | or Property Line:<br>s FSL<br>Total<br>Lenoth   |  |
| d stage   | - 215 sacks [   | DV Tool 3596                 | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation   | HOLE LOCATIO<br>TWP<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4   | N FOR I  | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUN 1/4 Radius of Turn   | TY<br>1/4 Feet From 1/4 Sec Line<br>BHL From Lease, Unit,<br>ATERALS)<br>TY<br>1/4 Feet From 1/4 Sec Line   | or Property Line:<br>s FSL<br>Total<br>Lenoth   |  |
| d stage   | - 215 sacks [   | DV Tool 3596                 | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured 1   | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth  | N FOR I  | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUN 1/4 Radius of Turn   | TY<br>1/4 Feet From 1/4 Sec Line<br>BHL From Lease, Unit,<br>ATERALS)<br>TY<br>1/4 Feet From 1/4 Sec Line<br>Direction  | or Property Line:<br>s FSL<br>Total<br>Lenoth   |  |
| d stage   | - 215 sacks [   | DV Tool 3596                 | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation   | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth  | N FOR I  | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUN 1/4 Radius of Turn True Vertical Depth True Vertical Depth   | TY           1/4         Feet From 1/4 Sec Line           BHL From Lease, Unit,           ATERALS)           TY           1/4           Feet From 1/4 Sec Line           Direction           BHL From Lease, Unit,  | or Property Line:<br>s FSL<br>Total<br>Lenoth   |  |
| e than three ale sheet ind ion must be load or spacing ur ctional sur   | - 215 sacks [<br>640 Acres<br>640 Acres<br>drainholes are propos<br>licating the necessary<br>stated in degrees azin<br>orizontal drainhole and<br>ted within the boundar<br>nit. | ed, attach a<br>information. | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured 1<br>LATERAL<br>SEC<br>Spot Locati  | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth<br>#2<br>TWP<br>ion   | N FOR 1<br> RGE<br>1/4<br>N FOR 1<br> RGE<br>1/4                           | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUN 1/4 Radius of Turn True Vertical Depth True Vertical Depth   | TY          1/4       Feet From 1/4 Sec Line         BHL From Lease, Unit,         ATERALS)         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY  | or Property Line:<br>s FSL<br>Total<br>Length<br>or Property Line:  | FWL  |
| d stage   | - 215 sacks [   | ed, attach a<br>information. | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured 1<br>LATERAL<br>SEC<br>Spot Locati  | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth<br>HOLE LOCATIO<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth<br>#2<br>TWP   | N FOR 1<br> RGE<br>1/4<br>N FOR 1<br> RGE<br>1/4                           | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUNT 1/4 Radius of Turn True Vertical Depth COUNT 1/4  | TY  | or Property Line:<br>s FSL<br>Total<br>Length<br>or Property Line:<br>s FSL   |  |
| d stage   | - 215 sacks [   | ed, attach a<br>information. | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured 1<br>LATERAL I<br>SEC<br>Spot Locati<br>Depth of<br>Deviation                 | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth<br>#2<br>TWP<br>on<br>1/4                                   | N FOR 1<br> RGE<br>1/4<br>N FOR 1<br> RGE<br>1/4                           | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUN 1/4 Radius of Turn True Vertical Depth COUNT 1/4 Radius of Turn 1/4 Radius of Turn 1/4 Radius of Turn                                    | TY           1/4         Feet From 1/4 Sec Line           BHL From Lease, Unit,           ATERALS)           TY           1/4           Feet From 1/4 Sec Line           Direction           BHL From Lease, Unit,           TY           1/4           Feet From 1/4 Sec Line           Direction           BHL From Lease, Unit,           TY           1/4           Feet From 1/4 Sec Line           Direction  | or Property Line:<br>s FSL<br>Total<br>Length<br>or Property Line:<br>s FSL<br>Total<br>Length                      | FWL  |
| d stage   | - 215 sacks [   | ed, attach a<br>information. | BOTTOM I<br>SEC<br>Spot Locat<br>Measured<br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured<br>SEC<br>Spot Locati<br>Depth of<br>Deviation   | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth<br>#2<br>TWP<br>on<br>1/4                                   | N FOR 1<br> RGE<br>1/4<br>N FOR 1<br> RGE<br>1/4                           | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUNT 1/4 Radius of Turn True Vertical Depth COUNT 1/4  | TY  | or Property Line:<br>s FSL<br>Total<br>Length<br>or Property Line:<br>s FSL<br>Total<br>Length                      | FWL  |
| d stage   | - 215 sacks [   | ed, attach a<br>information. | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured 1<br>LATERAL I<br>SEC<br>Spot Locati<br>Depth of<br>Deviation                 | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth<br>#2<br>TWP<br>on<br>1/4                                   | N FOR 1<br> RGE<br>1/4<br>N FOR 1<br> RGE<br>1/4                           | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUN 1/4 Radius of Turn True Vertical Depth COUNT 1/4 Radius of Turn 1/4 Radius of Turn 1/4 Radius of Turn                                    | TY           1/4         Feet From 1/4 Sec Line           BHL From Lease, Unit,           ATERALS)           TY           1/4           Feet From 1/4 Sec Line           Direction           BHL From Lease, Unit,           TY           1/4           Feet From 1/4 Sec Line           Direction           BHL From Lease, Unit,           TY           1/4           Feet From 1/4 Sec Line           Direction  | or Property Line:<br>s FSL<br>Total<br>Length<br>or Property Line:<br>s FSL<br>Total<br>Length                      | FWL  |
| d stage   | - 215 sacks [   | ed, attach a<br>information. | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured 1<br>LATERAL I<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured 1   | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth<br>#2<br>TWP<br>ion<br>1/4<br>Fotal Depth<br>#3             | N FOR 1<br> RGE<br>1/4<br>N FOR 1<br> RGE<br>1/4<br> RGE<br>1/4            | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (L4 COUN 1/4 Radius of Turn 1/4 Radius of Turn 1/4 Radius of Turn 1/4 Radius of Turn True Vertical Depth  | TY          1/4       Feet From 1/4 Sec Line         BHL From Lease, Unit,         ATERALS)         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY         BHL From Lease, Unit,  | or Property Line:<br>s FSL<br>Total<br>Length<br>or Property Line:<br>s FSL<br>Total<br>Length                      | FWL  |
| e than three alle sheet ind ion must be local or spacing ur control or spacing ur control or spacing ur control sur | - 215 sacks [   | ed, attach a<br>information. | BOTTOM I<br>SEC<br>Spot Locat<br>Measured 7<br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured 7<br>LATERAL I<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured 7<br>LATERAL I | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth<br>#2<br>TWP<br>ion<br>1/4<br>Total Depth<br>#3<br>TWP      | N FOR 1<br> RGE<br>1/4<br>N FOR 1<br> RGE<br>1/4                           | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUNT 1/4 Radius of Turn True Vertical Depth 1/4 Radius of Turn 1/4 Radius of Turn True Vertical Depth 1/4 Radius of Turn True Vertical Depth | TY          1/4       Feet From 1/4 Sec Line         BHL From Lease, Unit,         ATERALS)         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY         BHL From Lease, Unit,  | or Property Line:<br>s FSL<br>Total<br>Length<br>or Property Line:<br>s FSL<br>Total<br>Length                      | FWL  |
| d stage   | - 215 sacks [   | ed, attach a<br>information. | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured T<br>LATERAL I<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured T   | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth<br>#2<br>TWP<br>on<br>1/4<br>Fotal Depth<br>#3<br>TWP<br>on | N FOR 1<br>RGE<br>1/4<br>N FOR 1<br>RGE<br>1/4<br>RGE<br>1/4<br>RGE<br>1/4 | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (LA COUNT 1/4 Radius of Turn 1/4 Radius of Turn 1/4 Radius of Turn True Vertical Depth COUNT 1/4 Radius of Turn True Vertical Depth               | TY          1/4       Feet From 1/4 Sec Line         BHL From Lease, Unit,         ATERALS)         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,   | or Property Line:<br>S FSL<br>Total<br>Length<br>or Property Line:<br>S FSL<br>Total<br>Length<br>or Property Line: | FWL  |
| re Ihan three<br>rate sheet ind<br>stion must be is<br>se note, the ho<br>or spacing ur<br>ectional sur             | - 215 sacks [   | ed, attach a<br>information. | BOTTOM I<br>SEC<br>Spot Locat<br>Measured <sup>1</sup><br>BOTTOM I<br>LATERAL<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured T<br>LATERAL I<br>SEC<br>Spot Locati<br>Depth of<br>Deviation<br>Measured T   | HOLE LOCATIO<br>TWP<br>ion<br>1/4<br>Total Depth<br>HOLE LOCATION<br>#1<br>TWP<br>ion<br>1/4<br>Total Depth<br>#2<br>TWP<br>ion<br>1/4<br>Total Depth<br>#3<br>TWP      | N FOR 1<br> RGE<br>1/4<br>N FOR 1<br> RGE<br>1/4<br> RGE<br>1/4            | DIRECTIONAL HOLE COUN 1/4 True Vertical Depth HORIZONTAL HOLE: (L4 COUN 1/4 Radius of Turn 1/4 Radius of Turn 1/4 Radius of Turn 1/4 Radius of Turn True Vertical Depth  | TY          1/4       Feet From 1/4 Sec Line         BHL From Lease, Unit,         ATERALS)         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY         1/4         Feet From 1/4 Sec Line         Direction         BHL From Lease, Unit,         TY         BHL From Lease, Unit,  | or Property Line:<br>S FSL<br>Total<br>Length<br>or Property Line:<br>S FSL<br>Total<br>Length<br>or Property Line: | FWL  |

Image @ 1002A



Total Depth Drilled to 7,450'

