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

**Completion Report** 

API No.: 35019254560002

OTC Prod. Unit No.:

## Amended

Х

Amend Reason: CHANGE TO INJECTION

## Drill Type: STRAIGHT HOLE

## SERVICE WELL

Well Name: A N HARLEY 2-KI

Location: CARTER 19 2S 3W NE SW SE SW 340 FSL 1658 FWL of 1/4 SEC Derrick Elevation: 1048 Ground Elevation: 1044

Operator: KIESTER OPERATING COMPANY 6999 PO BOX 705 16 S PENN AVE OKLAHOMA CITY, OK 73101-0705 Spud Date: July 03, 2011 Drilling Finished Date: July 06, 2011 1st Prod Date: Completion Date: May 28, 2011 Recomplete Date: October 05, 2016

Purchaser/Measurer:

First Sales Date:

| Completion Type | Location Exception                                  | Increased Density                                  |
|-----------------|---|--|
| Single Zone     | Order No  | Order No   |
| Multiple Zone   | There are no Location Exception records to display. | There are no Increased Density records to display. |
| Commingled      |   |  |

|                  | Casing and Cement |  |             |       |           |                |            |  |       |              |            |  |  |  |  |  |  |  |
|------------------|-------------------|--|-------------|-------|-----------|----------------|------------|--|-------|--------------|------------|--|--|--|--|--|--|--|
| Т                | Туре              |  | Size Weight |       | Weight    | Grade          | F          | Feet                                   |       | SAX          | Top of CMT |  |  |  |  |  |  |  |
| PRODUCTION       |                   |  | 4 1/        | /2    | 11.6      | J-55           | 5          | 597                                    |       | 75           | SURFACE    |  |  |  |  |  |  |  |
|                  | Liner             |  |             |       |           |                |            |  |       |              |            |  |  |  |  |  |  |  |
| Type Size Weight |                   |  | G           | Grade | Length    | PSI            | PSI SAX    |  | Depth | Bottom Depth |            |  |  |  |  |  |  |  |
|                  |                   |  |             |       | There are | no Liner recor | ds to disp | There are no Liner records to display. |       |              |            |  |  |  |  |  |  |  |

## Total Depth: 597

| Pac   | ker           | PI                | ug                  |
|-------|---------------|-------------------|---------------------|
| Depth | Brand & Type  | Depth             | Plug Type           |
| 354   | ARROW TENSION | There are no Plug | records to display. |

|  |                          |                |                      | Initial Tes  | t Data                     |                  |                      |                                 |               |                           |
|--|--------------------------|----------------|----------------------|--|----------------------------|------------------|----------------------|---------------------------------|---------------|---------------------------|
| Test Date                                    | Formation                | Oil<br>BBL/Day | Oil-Gravity<br>(API) | Gas<br>MCF/Day                                       | Gas-Oil Ratio<br>Cu FT/BBL | Water<br>BBL/Day | Pumpin or<br>Flowing | Initial Shut-<br>In<br>Pressure | Choke<br>Size | Flow<br>Tubing<br>Pressur |
|  |                          |                | There are r          | no Initial Data                                      | a records to disp          | olay.            |                      |                                 |               |                           |
|  |                          | Cor            | npletion and         | Test Data I  | by Producing F             | ormation         |                      |                                 |               |                           |
|  | Formation Name: PEF      |                | Code: 45             | 9PRMN  | C                          | Class: INJ       |                      |                                 |               |                           |
| Spacing Orders                               |                          |                |                      |  | Perforated I               | ntervals         |                      |                                 |               |                           |
| Order No Unit Size                           |                          |                | From                 |  |                            | То               |                      |                                 |               |                           |
| There a                                      | re no Spacing Order reco | ds to display. |                      | 382  |                            | 3                | 88                   |                                 |               |                           |
|  | Acid Volumes             |                |                      |  | Fracture Tre               | atments          |                      | 7                               |               |                           |
| There are no Acid Volume records to display. |                          |                | Т                    | There are no Fracture Treatments records to display. |                            |                  |                      |                                 |               |                           |
|  |                          |                | [                    |  |                            |                  |                      |                                 |               |                           |
|  |                          |                |                      |  |                            |                  |                      |                                 |               |                           |
| ormation                                     |                          | т              | ор                   | v  | Vere open hole I           | oas run? Na      | 1                    |                                 |               |                           |
| HALE   |                          |                |                      | 0 Date last log run:                                 |                            |                  |                      |                                 |               |                           |

Other Remarks
UIC PERMIT NUMBER 1506120079

Explanation:

Were unusual drilling circumstances encountered? No

376

394

# FOR COMMISSION USE ONLY

Status: Accepted

OIL SANDS

SHALE

1134877

| STRAIGHT HOLE DIRECTIONAL HOLE HOP<br>SERVICE WELL<br>If directional or horizontal, see reverse for bottom hole location.<br>COUNTY (Arter SEC /9 TVBAS<br>LEASE A.N. HAY LEAN<br>NE 1/4 SW 1/4 SEC 1/4 SW 1/4 FSL OF 340<br>NE 1/4 SW 1/4 SEC 1/4 SW 1/4 FSL OF 340<br>NE 1/4 SW 1/4 SEC 1/4 SW 1/4 FSL OF 340<br>NAME A.N. HAY LEAN<br>NE 1/4 SW 1/4 SEC 1/4 SW 1/4 FSL OF 340<br>NE 1/4 SW 1/4 SEC 740<br>LetVATIO DB Ground 1044 Latitude (if known)<br>OPERATOR KICSER Operating Ompa<br>ADDRESS PO Box FOS<br>CITY DKIAN ON LUTY<br>SINGLE ZONE ADDRESS PO Box FOS<br>CITY DKIAN ON LUTY<br>SINGLE ZONE ADDRESS OF BOX FOS<br>CITY DKIAN ON LUTY<br>SINGLE ZONE ADDRESS OF BOX FOS<br>CITY DKIAN ON LUTY<br>COMPLETION TYPE CAS<br>COMPLETION ORDER<br>NCREASED DENSITY<br>DRDER NO<br>COMMINGLED ADDRESS OF BRAND & TYPE PLUE<br>COMPLETION & TEST DATA BY PRODUCING FORMATION<br>FORMATION TO THE COMPLETION SUC<br>COMMINER<br>CASE OF COMPLETION SPACING SPACING<br>SPACING & SPACING<br>SPACIN | WELL 2-K<br>NO. 2-K<br>FWL OF 169<br>1/4 SEC 169<br>STATE OK<br>SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER | DRLG<br>DATE<br>COMP<br>1st PF<br>1st PF<br>1st PF<br>Comparison<br>(if kno<br>OTC/OCC<br>OPERATOF<br>T (Form 100<br>SIZE | D DATE 7<br>D FINISHED<br>FOF WELL<br>PLETION<br>ROD DATE<br>DMP DATE<br>tude<br>WP DATE<br>tude<br>WP DATE<br>tude<br>WP DATE<br>tude<br>WP DATE<br>tude<br>WEIGHT | 5-28-<br>10-5-<br>199<br>13101-1<br>19 attached  | EPORT<br>0   <br>20   <br>20   <br>20   <br>10<br>v<br>v<br>10<br>v<br>v<br>591<br>TYPE | V              | 640 Acre<br>& GAS (<br>LOCATE W |                |
|--|--|---|---|--|---|----------------|---------------------------------|----------------|
| SERVICE WELL         If directional or horizontal, see reverse for bottom hole location.         COUNTY       Arther         SEC/9       TVBAS         LEASE       A.N. Harley         NME       A.N. Harley         NE 1/4 SW       1/4 SE         Nerrick       1048         Ground       1044         Latitude (if known)         OPERATOR         NAME       Kicster Operating         ADDRESS       PO Box 405         CITY       OKIAN ONA         Value       Single zone         MULTIPLE zone       CAS         Application Date       Communication         LOCATION       Sure         NCREASED DENSITY       COMER         ORDER NO.       BRAND & TYPE         PACKER @       BRAND & TYPE         PLU       COMPLETION & TEST DATA BY PRODUCING FORMATION     <   | RGE 03W<br>WELL 2-K<br>FWL OF 1/4 SEC 1/6<br>STATE 0K<br>SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER        | DRLG<br>DATE<br>COMP<br>1st PF<br>1st PF<br>1st PF<br>Comparison<br>(if kno<br>OTC/OCC<br>OPERATOF<br>T (Form 100<br>SIZE | D DATE 7<br>D FINISHED<br>FOF WELL<br>PLETION<br>ROD DATE<br>DMP DATE<br>tude<br>WP DATE<br>tude<br>WP DATE<br>tude<br>WP DATE<br>tude<br>WP DATE<br>tude<br>WEIGHT | 3-20<br>7-6-28-<br>5-28-<br>10-5-<br>10-5-<br>1999<br>13101-<br>GRADE<br>GRADE<br>J-55<br>J-55 | 0   <br>20   <br>20   <br>20   <br>7  0<br>7  0<br>7  0<br>7  0<br>7  0<br>7  0<br>7  0 | PSI            |                                 |                |
| SERVICE WELL         If directional or horizontal, see reverse for bottom hole location.         COUNTY       Arther         SEC/9       TVBAS         LEASE       A.N. Harley         NME       A.N. Harley         NE 1/4 SW       1/4 SE         Nerrick       1048         Ground       1044         Latitude (if known)         OPERATOR         NAME       Kicster Operating         ADDRESS       PO Box 405         CITY       OKIAN ONA         Value       Single zone         MULTIPLE zone       CAS         Application Date       Communication         LOCATION       Sure         NCREASED DENSITY       COMER         ORDER NO.       BRAND & TYPE         PACKER @       BRAND & TYPE         PLU       COMPLETION & TEST DATA BY PRODUCING FORMATION     <   | RGE 03W<br>WELL 2-K<br>FWL OF 1/4 SEC 1/6<br>STATE 0K<br>SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER        | DRLG<br>DATE<br>COMF<br>COMF<br>Ist PF<br>RECC<br>Longit<br>(if kno<br>OTC/OCC<br>OPERATOF<br>SIZE                        | COF WELL<br>PLETION<br>ROD DATE<br>DMP DATE<br>tude<br>DMP DATE<br>TUDE<br>R NO. (C<br>ZIP<br>O2C must b<br>WEIGHT  | 7-6-28-<br>5-28-<br>10-5-<br>1999<br>73101-<br>GRADE<br>GRADE<br>J-55<br>J-55                  | 20   <br>20   <br>20   <br>10<br>10<br>591<br>591                                       | PSI            | LOCATE W<br>SAX<br>16<br>TOTAL  | TOP OF CMT     |
| COUNTY (AHCH       SEC /9       TVBAS         LEASE       A.N. HAY (QL)         NAME       A.N. HAY (QL)         NE 1/4 SW       1/4 SEC 1/4 SW       1/4         FSL OF 340       1/4 SEC 340         LEVATIO       IDGB       Ground       IDG4         ND Errick       IDGB       Ground       IDG4       Latitude (if known)         OPERATOR       KICSKY Operating       Ompa         ADDRESS       PO       BOX FOS       CITY       OKIAN OMA         CITY       OKIAN OMA       Latitude (if known)       COMPLETION TYPE       CAS         CITY       OKIAN OMA       Latitude (if known)       SUR         CITY       OKIAN OMA       Latitude (if known)       SUR         COMPLETION TYPE       CAS       CON       CON         SINGLE ZONE       MULTIPLE ZONE       CON       SUR         Application Date       CON       CON       SUR         LOCATION       ORDER       INTER       PRC         LOCATION       ORDER       NOTER       PRC         LOCATION       BRAND & TYPE       PLU       PLU         COMPLETION & TEST DATA BY PRODUCING FORMATION       SUR       SUR         FORMATI  | WELL 2-K<br>NO. 2-K<br>FWL OF 169<br>1/4 SEC 169<br>STATE OK<br>SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER | DATE<br>COMP<br>Ist PF<br>RECC<br>(if kno<br>OTC/OCC<br>OPERATOF<br>T (Form 10)<br>SIZE                                   | OF WELL<br>PLETION<br>ROD DATE<br>DMP DATE<br>tude<br>DMP DATE<br>tude<br>ZIP<br>ZIP<br>02C must b<br>WEIGHT  | 5-28-<br>10-5-<br>1999<br>13101-<br>GRADE<br>J-55<br>J-55                                      | 20   <br>/ [6<br>/ [6<br>FEET<br>597  | PSI            | LOCATE W<br>SAX<br>16<br>TOTAL  | TOP OF CMT     |
| LEASE<br>NAME       A.N. Htarley         NE 1/4 SW       1/4 SE         NE 1/4 SW       1/4 SE         ILEVATIO       ID48         Ground       I044         Latitude (if known)         OPERATOR         NAME       Kicsker Operating         ADDRESS       PO         BOX       FOS         CITY       OKIAN OMA         OPERATOR       Kicsker Operating         ADDRESS       PO         BOX       FOS         CITY       OKIAN OMA         OPERATOR       Kicsker Operating         ADDRESS       PO         BOX       FOS         CITY       OKIAN OMA         COMPLETION TYPE       CAS         MULTIPLE ZONE       SUR         Application Date       COM         LOCATION       SUR         NCREASED DENSITY       RAND & TYPE         ORDER NO.       BRAND & TYPE         PACKER @       BRAND & TYPE         PACKER @       BRAND & TYPE         PACKER @       BRAND & TYPE         PLU       COMPLETION & TEST DATA BY PRODUCING FORMATION         SPACING & SPACING       SWZ - 3888         CASS: OIL Gas.   | WELL 2-K<br>NO. 2-K<br>FWL OF 169<br>1/4 SEC 169<br>STATE OK<br>SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER | I Ist PF<br>RECC<br>Longit<br>(if kno<br>OTC/OCC<br>OPERATOF<br>SIZE<br>I (Form 100<br>SIZE<br>I TYPE<br>TYPE             | ROD DATE<br>DMP DATE<br>tude<br>bwn)<br>R NO. (QC<br>ZIP<br>02C must b<br>WEIGHT<br>WEIGHT  | 10-57<br>199<br>13101-1<br>De attached)<br>GRADE<br>J-55<br>J-55                               | - 16<br>16<br>165<br>FEET<br>697<br>түре  | PSI            | LOCATE W<br>SAX<br>16<br>TOTAL  | TOP OF CMT     |
| NE       1/4       SW       1/4       SE       1/4       FSL OF       340         ELEVATIO       IDGB       Ground       IDGB       Ground       IDGB       Latitude (if known)         OPERATOR       Kiester Operating       Impa         ADDRESS       PO       Box       HOS         CITY       OKIAN OMA       Istitude (if known)         OPERATOR       Kiester Operating       Ompa         ADDRESS       PO       Box       HOS         CITY       OKIAN OMA       Istitude (if known)         COMPLETION TYPE       CAS         SINGLE ZONE       MULTIPLE ZONE         Application Date       COM         IApplication Date       SUR         IApplication Date       SUR         INCREASED DENSITY       PRC         QRDER NO.       BRAND & TYPE         PACKER @       BRAND & TYPE         PACKER @       BRAND & TYPE         PACKER @       BRAND & TYPE         COMPLETION & TEST DATA BY PRODUCING FORMATION         FORMATION       Interval         SPACING & SPACING       SW2 - 388         PERFORATED       SW2 - 388         NTERVALS       SW2 - 388   | FWL OF LWS<br>1/4 SEC LWS<br>STATE OK<br>SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER<br>JG @<br>JG @        | Congit<br>(if kno<br>OTC/OCC<br>OPERATOF<br>SIZE  | DMP DATE<br>tude<br>iwn)<br>R NO. (C<br>2IP<br>02C must b<br>WEIGHT   | 199<br>13101- (<br>se attached)<br>GRADE<br>J-55<br>PLUG @                                     | FEET  | PSI            | LOCATE W<br>SAX<br>16<br>TOTAL  | TOP OF CMT     |
| ELEVATIO       DGB       Ground       DG44       Latitude (if known)         OPERATOR       Kicskr Operating       Ompa         NAME       ADDRESS       PO       Box       FOS         CITY       DKIAN OMA       Usty       Compa         COMPLETION TYPE       CAS         SINGLE ZONE       MULTIPLE ZONE       COM         Application Date       COMMINGLED       SUR         ICOCATION       EXCEPTION ORDER       INTE         INCREASED DENSITY       ORDER NO.       PRC         PACKER @       BRAND & TYPE       PLU         COMPLETION & TEST DATA BY PRODUCING FORMATION       FORMATION         FORMATION       I/(Y MIAN         SPACING & SPACING       AND         ORDER NUMBER       I// J         CLASS: OIL Gas, Dry, Inj,       I// J         Disp, Comm Disp, Svc       3// 2// 3// 3// 3// 3// 3// 3// 3// 3//   | STATE OK<br>SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER   | Longit<br>(if kno<br>OTC/OCC<br>OPERATOF<br>OPERATOF<br>SIZE<br>41/2<br>TYPE<br>TYPE                                      | tude<br>wn)<br>R NO. (Q <sup>C</sup><br>2IP <sup>-</sup><br>02C must b<br>WEIGHT<br>  | 199<br>13101- (<br>se attached)<br>GRADE<br>J-55<br>PLUG @                                     | FEET<br>691   | PSI            | LOCATE W<br>SAX<br>16<br>TOTAL  | TOP OF CMT     |
| IN Derick       ID       ID <thid< th=""> <thid< th="">       ID       <thid< th=""></thid<></thid<></thid<>  | STATE OK<br>SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER   | (if kno<br>OTC/OCC<br>OPERATOR<br>I (Form 100<br>SIZE   | 21P<br>21P<br>02C must b<br>WEIGHT  | PLUG @   | FEET<br>691   | PSI            | LOCATE W<br>SAX<br>16<br>TOTAL  | TOP OF CMT     |
| ADDRESS PO Box FOG   | STATE OK<br>SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER   | OPERATOF  | ZIP<br>02C must b<br>WEIGHT   | PLUG @   | FEET<br>691   | PSI            | LOCATE W<br>SAX<br>16<br>TOTAL  | TOP OF CMT     |
| CITY DELANOMA (JULY<br>COMPLETION TYPE CAS<br>SINGLE ZONE<br>MULTIPLE ZONE<br>Application Date<br>COMMINGLED<br>Application Date<br>COMMINGLED<br>Application Date<br>COMMINGLED<br>Application Date<br>LOCATION<br>EXCEPTION ORDER<br>INCREASED DENSITY<br>ORDER NO.<br>PACKER @ BRAND & TYPE <b>OFFOW KINSO</b><br>LINE<br>PACKER @ BRAND & TYPE <b>OFFOW KINSO</b><br>COMPLETION & TEST DATA BY PRODUCING FORMATION<br>FORMATION<br>SPACING & SPACING<br>ORDER NUMBER<br>CLASS: OI, Gas. Dry. Inj.<br>Disp. Comm Disp. Svc<br>PERFORATED<br>INTERVALS   | SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER<br>JG @   | SIZE  | 02C must b<br>WEIGHT  | PLUG @   | FEET<br>691   | PSI            | LOCATE W<br>SAX<br>16<br>TOTAL  | TOP OF CMT     |
| COMPLETION TYPE     CAS       SINGLE ZONE     MULTIPLE ZONE       Application Date     COM       COMMINGLED     SUR       INTERVALS     COM         MULTIPLE ZONE     COM       Application Date     COM       COMMINGLED     SUR       INTERVALS     SUR         MULTIPLE ZONE     SUR         Application Date     COM         LOCATION     SUR         INTERVALS     BRAND & TYPE         PACKER @     BRAND & TYPE         PACKER @     BRAND & TYPE            PACKER @     BRAND & TYPE               PACKER @     BRAND & TYPE                           PACKER @    PACKER @ BRAND & TYPE  PLUP  COMPLETION & TEST DATA BY PRODUCING FORMATION FORMATION    PUTOR COMPLETION & TEST DATA BY PRODUCING FORMATION FORMATION SPACING & SPACING & ORDER NUMBER CLASS: OIL Gas. Dry. Inj. Disp. Comm Disp. Svc PERFORATED INTERVALS   | SING & CEMENT<br>TYPE<br>NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER<br>JG @   | SIZE  | 02C must b<br>WEIGHT  | PLUG @   | FEET<br>691   |                | 1 SAX                           | TOP OF CMT     |
| SINGLE ZONE         MULTIPLE ZONE         Application Date         COMMINGLED         JApplication Date         LOCATION         EXCEPTION ORDER         INCREASED DENSITY         ORDER NO.         LINE         PACKER @         BRAND & TYPE         PACKER @         BRAND & TYPE         PACKER @         BRAND & TYPE         PLU         COMPLETION & TEST DATA BY PRODUCING FORMATION         FORMATION         SPACING & SPACING         ORDER NUMBER         CLASS: Oil, Gas, Dry, Inj,         Disp, Comm Disp, Svc         PERFORATED         INTERVALS  | TYPE NDUCTOR RFACE ERMEDIATE DDUCTION ER JG @  | SIZE  | WEIGHT  | GRADE  | <b>691</b>  |                | 16<br>TOTAL                     |                |
| MULTIPLE ZONE     CON       Application Date     COMMINGLED       IADDICATION     SUR       LOCATION     INTE       EXCEPTION ORDER     INTE       INCREASED DENSITY     PRC       ORDER NO.     BRAND & TYPE       PACKER @     BRAND & TYPE       PILU     COMPLETION & TEST DATA BY PRODUCING FORMATION       FORMATION     IVY MULTIPLE       SPACING & SPACING     ORDER NUMBER       CLASS: Oil, Gas, Dry, Inj,     Interview  | NDUCTOR<br>RFACE<br>ERMEDIATE<br>DDUCTION<br>ER<br>JG @<br>JG @  | 41/2<br>  | 11.6  | <b>J-55</b>  | <b>691</b>  |                | 16<br>TOTAL                     |                |
| Image: Computation Date     Sur       IcommingLetD     Sur       Idoptication Date     Intervention       Increased Density     Intervention       Increased Density     Intervention       Increased Density     Intervention       Packer @     Brand & type       Public completion & test Data By producing formation       Formation     Image: Completion & test Data By producing formation       Spacing & spacing & order number     Image: Class: oil, Gas, Dry, Inj, Disp, Comm Disp, Svc       Perforated     Image: Class & common Disp, Svc  | RFACE ERMEDIATE DDUCTION ER JG @ JG @  | TYPE<br>TYPĘ  |   | _PLUG @ _  | TYPE  |                | TOTAL                           | Swrfau<br>597  |
| INTEL       PACKER @       BRAND & TYPE       PLUE       COMPLETION & TEST DATA BY PRODUCING FORMATION       FORMATION       SPACING & SPACING       ORDER NUMBER       CLASS: OIL Gas, Dry, Inj,       Disp, Comm Disp, Svc       INTERVALS   | ERMEDIATE  | TYPE<br>TYPĘ  |   | _PLUG @ _  | TYPE  |                | TOTAL                           | Surface<br>597 |
| INCREASED DENSITY<br>ORDER NO.<br>PACKER @BRAND & TYPEPLU<br>PACKER @BRAND & TYPEPLU<br>COMPLETION & TEST DATA BY PRODUCING FORMATION<br>FORMATION<br>FORMATION<br>FORMATION<br>FORMATION<br>PACING & SPACING<br>ORDER NUMBER<br>CLASS: OII, Gas, Dry, Inj,<br>Disp, Comm Disp, Svc<br>PERFORATED<br>INTERVALS   | ER<br>JG @<br>JG @   | TYPE<br>TYPĘ  |   | _PLUG @ _  | TYPE  |                | TOTAL                           | Surfac<br>597  |
| PACKER @ 25A<br>BRAND & TYPE OFFEW KING FLU<br>PACKER @ BRAND & TYPE PLU<br>COMPLETION & TEST DATA BY PRODUCING FORMATION<br>FORMATION<br>SPACING & SPACING<br>ORDER NUMBER<br>CLASS: OII, Gas, DY, Inj,<br>Disp, Comm Disp, Svc<br>PERFORATED<br>NTERVALS   | ER<br>JG @<br>JG @   | TYPE<br>TYPĘ  |   | _PLUG @ _  | TYPE  |                | TOTAL                           | 597            |
| PACKER @BRAND & TYPEPLU<br>COMPLETION & TEST DATA BY PRODUCING FORMATION<br>FORMATION  | JG @   | TYPĘ  |   |  |   |                |                                 | 597            |
| PACKER @ BRAND & TYPEPLU<br>COMPLETION & TEST DATA BY PRODUCING FORMATION<br>ORMATION  | JG @   | TYPĘ  |   |  |   |                | DEPTH                           |                |
| NTERVALS   |  |   |   |  | ·····   |                |                                 |                |
| ACID/VOLUME  |  |   | _   |  |   |                |                                 |                |
|  |  |   |   |  |   |                |                                 |                |
| RACTURE TREATMENT<br>Fluids/Prop Amounts)  |  |   |   |  |   |                |                                 |                |
| Min Gas Allowable  | e (165:1)  |   |   | Gas Pu   | rchaser/Measurer  |                |                                 |                |
| OR   |  | ,   |   |  | ales Date   |                |                                 |                |
| NITIAL TEST DATA Oil Allowable   | (165:10-13-3)  |   |   |  |   | 1              |                                 |                |
| DIL-BEL/DAY  |  |   |   |  |   |                | min                             | 7              |
| DIL-GRAVITY ( API)   |  |   | '//   | ///////////////////////////////////////  |   |                |                                 | ĺ              |
| GAS-MCF/DAY  |  |   | —⁄7   | 10   | CIID  | MITT           | 'FN I                           |                |
| SAS-OIL RATIO CU FT/BBL  |  |   | /   | 6A   | JUD   |                | LV                              | E              |
| VATER-BBL/DAY  |  |   | /)  |  |   |                |                                 | 7/             |
|  |  |   | '[]   |  | ///////////////////////////////////////   | <i>       </i> |                                 | <u>″</u>       |
| VITIAL SHUT-IN PRESSURE  |  |   |   |  |   | ļ              |                                 |                |
| CHOKE SIZE   |  |   |   |  |   |                |                                 |                |
|  |  |   | <del>-</del>  |  |   |                |                                 |                |
| LOW TUBING PRESSURE A record of the formations drilled through, and pertinent remarks are p  |  |   |   |  |   |                |                                 |                |

| PLEASE TYPE OR USE BLACK INK ON<br>FORMATION RECORD<br>Give formation names and tops, if available, or descriptions and th<br>drilled through. Show intervals cored or drillstem tested. |                         | LEASE NAME A.N. Harley WELL NO. Z-KI  |
|--|-------------------------|---|
| Shale<br>Oil Sands<br>Shale  | тор<br>0<br>37Цр<br>39Ц | FOR COMMISSION USE ONLY ITD on file YES NO APPROVED DISAPPROVED 2) Reject Codes   |
| UTILL  |                         | Were open hole logs run?yes X no<br>Date Last log was run<br>Was CO <sub>2</sub> encountered?yes X no at what depths?<br>Was H <sub>2</sub> S encountered?yes X no at what depths?<br>Were unusual drilling circumstances encountered?yes no<br>If yes, briefly explain below |
| Other remarks:<br>UC Permit<br>640 Acres BOTTOM  | HE 150 LU 7             | 20079<br>RECTIONAL HOLE   |

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If more than three drainholes are proposed, attach a separate sheet indicating the necessary information.

Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.

Directional surveys are required for all drainholes and directional wells.

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| SEC TWP              | RGE  | COUNT          | ſY  |                              |              |     |
|----------------------|------|----------------|-----|------------------------------|--------------|-----|
| Spot Location<br>1/4 | 1/4  | 1/4            | 1/4 | Feet From 1/4 Sec Lines      | FSL          | FWL |
| Measured Total Depth |      | Vertical Depth |     | BHL From Lease, Unit, or Pre | operty Line: |     |
| Measured Total Depth | True | Vertical Depth |     | BHL From Lease, Unit, or Pr  | operty Line: |     |

# BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

#### LATERAL #1 RGE COUNTY Spot Location 1/4 Feet From 1/4 Sec Lines FSL FWL 1/4 1/4 1/4 Depth of Radius of Turn Direction Total Deviation Measured Total Depth Length True Vertical Depth BHL From Lease, Unit, or Property Line:

### LATERAL #2

| SEC TWP               | RGE | ĊŎŬ                | NTY                       |                     |     |
|-----------------------|-----|--------------------|---------------------------|---------------------|-----|
| Spot Location<br>1/4  | 1/4 | 1/4                | 1/4 Feet From 1/4 Sec Lin | es FSL              | FWL |
| Depth of<br>Deviation | F   | Radius of Turn     | Direction                 | Total<br>Length     |     |
| Measured Total Depth  | 1   | rue Vertical Depth | BHL From Lease, Unit,     | , or Property Line: |     |

# LATERAL #3

| SEC                  | TWP            | RGE   | COUN               | TY  |                             |                 |          |
|----------------------|----------------|---|--------------------|-----|-----------------------------|-----------------|----------|
| Spot Loo             | cation<br>1/4  | 1/4   | 1/4                | 1/4 | Feet From 1/4 Sec Lines     | FSL             | FWL      |
| Depth of<br>Deviatio |                | F   | adius of Turn      |     | Direction                   | Total<br>Length | <u> </u> |
| Measure              | ed Total Depth | The second se | rue Vertical Depth |     | BHL From Lease, Unit, or Pr |                 |          |