## 1R-Plugging REPORTS

DATE:

4-19-11



RECEIVED OCD
2011 MAY -9 P 12: 24

April 19, 2011

Mr. Ed Hansen New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Re: Notification of Plains Marketing, L.P. Plugging and Abandonment of Monitor Wells Plains R.L. Rogers

NMOCD Reference Number 1R-0087

NW ¼, NW ¼, Section 32, T-19-S, R-37-E

Lea County, NM

Dear Mr. Hansen,

NOVA Safety and Environmental (NOVA), on behalf of Plains Marketing, L.P. (Plains) respectfully submits the following notification of plugging and abandonment of four monitor wells at the Plains R. L. Rogers leak site, located in the NW ¼, NW ¼, Section 32, T-19-S, R-37-E in Lea County, NM.

On March 21, 2011, four monitor wells, MW-1 through MW-4, were plugged and abandoned at the Plains R. L. Rogers site. Please reference the January 24, 2002 letter to Mr. Wayne Brunette of EOTT Energy Pipeline Partnership regarding authorization to plug and abandon these wells.

The monitor wells were plugged and abandoned by Straub Corporation, Inc (Straub) of Stanton, Texas, a licensed water well driller in the State of New Mexico. The monitor well was plugged utilizing guidelines set forth by the office of the New Mexico State Engineer. Straub removed and disposed of the monitor well cover, vault, and the remains of the concrete pad.

The four monitor wells were filled with approximately 1 bag of bentonite hole plug to a depth of approximately two (2) feet bgs and properly hydrated with water. Concrete was placed from approximately two (2) feet bgs to the surface and hydrated with water. Topsoil was placed above the former monitor well to complete the procedure.

The former monitor wells locations are as follows:

- MW-1, 32 degrees, 37' 21" N, 103 degrees, 16' 51" W
- MW-2, 32 degrees, 37' 19" N, 103 degrees, 16' 51" W
- MW-3, 32 degrees, 37' 18" N, 103 degrees, 16' 52" W
- MW-4, 32 degrees, 37' 19" N, 103 degrees, 16' 52" W

Plains has completed the approved plugging and abandonment of the above referenced monitor wells as directed by the New Mexico Oil Conservation Division (NMOCD). Plains will continue to gauge and sample the remaining monitor wells at the site.

In the future, Plains may make addition requests to the NMOCD for plugging and abandonment of monitor well(s) at this site, if warranted.

Sincerely,

Ronald K. Rounsaville Senior Project Manager

NOVA Safety and Environmental

cc:

Geoffrey R. Leking, NMOCD, Hobbs, NM
Jason Henry, Plains Marketing, L.P., Denver City, TX
jhenry@paalp.com

Jeff Dann, Plains Marketing, L.P., Houston, TX jpdann@paalp.com

NOVA Safety and Environmental, Midland, TX rrounsaville@novatraining.cc

Attachments:

Attachment A: State of New Mexico Well Record & Log – Plugging Reports

**APPENDICES** 

## APPENDIX A State of New Mexico Well Record Plugging Reports

FOR OSE INTERNAL USE

FILE NUMBER

LOCATION

|                           | - ye  |            |            |                     |          |               |          |               |           |          |          |                          |                                  |            |            |                |
|---------------------------|---|------------|------------|---------------------|----------|---------------|----------|---------------|-----------|----------|----------|--------------------------|----------------------------------|------------|------------|----------------|
| 77                        | POD NUMI  |            |            | -                   |          |               |          |               |           |          |          | OSE FILE NUI             | MBER(S)                          |            |            |                |
| <u>ā</u>                  | R.L. RC   |            |            | V-1                 |          |               |          |               |           |          |          |                          |                                  |            |            |                |
| AT                        | WELL OW   |            |            |                     |          |               |          |               |           |          |          | PHONE (OPTI              | ONAL)                            |            |            |                |
| , <u>Š</u>                | PLAINS  | MAR        | KET        | ING LP              |          |               |          | 1 P           |           | į.       | : -      |                          |                                  |            |            |                |
|                           | WELL OW   |            |            |                     |          |               |          |               |           |          |          | CITY                     |                                  | SŢATE      |            | ZIP            |
| WE.                       | 333 CL  | AY ST      | REE        | T, SUITE            | 1600     | )             |          |               |           |          |          | HOUSTON TX 7             |                                  |            | 77         | 7078           |
| è                         | WELI  | . 1        |            |                     | DEC      | GREES         | M        | NUTES         | SECO      | NDS      | ٦        |                          |                                  |            |            |                |
| ∵ Y                       | LOCATI  |            | * * ****** |                     |          | 32            |          | 37            | 2         | 1.00 N   | ,        | * ACCURACY               | REQUIRED: ONE TE                 | TH OF A SE | COND       |                |
| E.                        | (FROM C   | · L        | LATTI      | IUDE                |          |               |          |               |           |          | -        | * DATUM REQUIRED: WGS 84 |                                  |            | ,          |                |
| GENERAL AND WELL LOCATION |   |            |            | ITUDE               |          | 103           |          | 16            |           | 1.00 V   | <u> </u> |                          | ·                                |            |            |                |
| 5                         |   |            |            |                     |          | STREET ADDRI  |          |               |           |          |          |                          |                                  |            |            |                |
| 1                         | 1 MILE  | WEST       | & 1        | /2 MILE S           | OUT      | H OF MON      | NUM      | IENT N        | И. LEA    | CO       |          |                          |                                  |            |            |                |
| - :                       | (2.5 ACI  | RE)        | (1         | 0 ACRE)             |          | (40 ACRE)     | Т        | (160 ACR      | E)        | SECTIO   | NI       | ·                        | TOWNSHIP                         |            | RANGE      |                |
| د د.<br>نم <b>ن</b>       |   |            | (-         | ·                   | ,        | •             |          |               |           | Decino   | · ·      |                          | TOWNSIA                          | NORTH      | IGHIGE     | <b>✓</b> EAST  |
| ¥.                        | SUBDIVISI   | /4         | E          | 1/4                 |          | 1/4           | <u> </u> | <del> '</del> | 4         | LOT N    |          | DED                      | BLOCK NUMBER                     | ✓ SOUTH    | UNIT/TRA   | ☐ WEST         |
| OPTIONAL                  | SCHOLVISI   | ON NAME    | L          |                     |          |               |          |               |           | LOI N    | UIVI     | DEK                      | BLOCK NUMBER                     |            | UNII/IKA   | .C1            |
|                           | HYDROGR   | A DLUTC ST | IDVEV      | ,                   |          |               |          | *             |           | <u> </u> |          |                          | MAP NUMBER                       |            | TRACT N    | DADED.         |
| 7                         | HIDROGK   | Armese     | JKVEI      |                     |          |               |          |               |           |          |          |                          | MAP NUMBER                       |            | IRACING    | JMBEK          |
| (34)                      | LICENSE NUMBER NAME OF LICENSED DRILLER NAME OF WELL DRILLING COMPANY |            |            |                     |          |               |          |               |           |          |          |                          |                                  |            |            |                |
| $\gamma_{i}\psi_{i}$      |   |            |            |                     |          |               |          |               |           |          |          |                          | i                                |            |            |                |
|                           | WD  | 1478       | ľ          | MARTIN S            | TRA      | UB.           |          |               |           |          |          |                          | STRAUB CO                        | RPORAT     | TION       |                |
| 193                       | DRILLING  |            | )          | DRILLING END        |          | DEPTH OF COM  |          |               | T)        | BORE H   |          | E DEPTH (FT)             | DEPTH WATER FII                  | RST ENCOUN | TERED (FT) |                |
|                           | 3-2   | 1-11       |            | 3-21-11             |          |               | .30      | 0 .           |           |          |          | 30                       |                                  |            |            |                |
| Į,                        | STATIC WATER LEVEL IN COMPLETED WELL (FT)                             |            |            |                     |          |               |          |               |           |          |          | LL (FT)                  |                                  |            |            |                |
| DRILLING INFORMATION      | COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED)             |            |            |                     |          |               |          |               |           |          |          |                          |                                  |            |            |                |
| E G                       | DRILLING  | FLUID:     |            | AIR                 |          | MUD           | [        | ADDITIV       | /ES – SPE | CIFY:    |          |                          |                                  |            |            |                |
| S                         | DRILLING  | METHOD     | ):         | ROTARY              |          | HAMMER        | [        | CABLE         | TOOL      | От       | HE       | R - SPECIFY:             |                                  |            |            |                |
| Ľ                         | DEPT  | H (FT)     | T          | BORE HOL            | F T      |               | CASI     | NG.           |           |          | NTN'     | ECTION                   | INSIDE DIA.                      | CASINI     | G WALL     | SLOT           |
| E.                        | FROM  | то         | $\dashv$   | DIA. (IN)           | ~        |               |          | RIAL          |           | 1        |          | (CASING)                 | CASING (IN)                      | 1          | ESS (IN)   | SIZE (IN)      |
| 3. D                      |   |            |            |                     |          |               |          |               |           |          |          |                          |                                  |            |            |                |
| -                         |   |            |            |                     | $\dashv$ |               |          |               |           |          |          |                          |                                  | <u> </u>   |            |                |
|                           |   |            |            |                     |          |               |          |               |           |          |          |                          |                                  |            |            |                |
|                           |   |            |            |                     |          |               |          |               |           |          |          |                          |                                  | -          |            |                |
|                           | DEDI  | H (FT)     | 十          | THE TOTAL PROPERTY. |          | r             | OPL      | (ATTON D      | ECONTP.   | TION OF  | ים:      | DINICIDAT                | ATED DE ARRICO                   | TDATA      |            |                |
| .₹                        | FROM  | TO         | -          | THICKNES<br>(FT)    | S        | r             |          |               |           |          |          |                          | ATER-BEARING S<br>R FRACTURE ZON |            |            | YIELD<br>(GPM) |
| ZA.                       | PROM  | 10         | -          |                     | -+       |               |          |               |           |          | _        |                          |                                  |            |            | ()             |
| ST                        |   |            | _          |                     | +        |               |          |               |           |          |          |                          |                                  |            |            |                |
| NG                        |   |            |            |                     | $\dashv$ |               |          |               |           |          | _        |                          |                                  |            |            |                |
| ARI                       |   |            |            |                     | +        |               |          |               |           |          |          |                          |                                  |            |            |                |
| BE                        |   |            |            |                     |          |               |          |               |           |          |          | -                        | ····                             |            |            |                |
| 4. WATER BEARING STRATA   |   |            |            |                     |          |               |          |               |           |          |          |                          | ,                                |            |            |                |
| WAJ                       | METHOD U  | JSED TO I  | ESTIMA     | ATE YIELD OF        | WATER    | R-BEARING STR | ATA      |               |           |          |          |                          | TOTAL ESTIMATE                   | WELL YIEL  | D (GPM)    |                |
| 4.                        |   |            |            |                     |          |               |          |               |           |          |          |                          |                                  |            |            |                |
|                           |   |            |            |                     |          |               |          |               |           |          |          |                          | <u> </u>                         |            |            |                |

POD NUMBER

WELL RECORD & LOG (Version 6/9/08)

PAGE 1 OF 2

TRN NUMBER

| OMP.                 | TYPE OF PUMP:  SUBMERSIBLE JET NO PUMP – WELL NOT EQUIPPED  TURBINE CYLINDER OTHER – SPECIFY: |         |                |            |  |   |  |                       |              |  |
|----------------------|---|---------|----------------|------------|--|---|--|-----------------------|--------------|--|
| SEAL AND PUMP        | ANNU  | JLAR    | DEPTH<br>FROM  | TO         | BORE HOLE<br>DIA. (IN)   | MATERIAL TYPE AND SIZE  | AMOUNT<br>(CUBIC FT)                     | METH<br>PLACE         |              |  |
| EAL                  | SEAL  | AND     | 2              | 30         | 2  | 1 BAG OF 3/8 PLUG   |  | TOPL                  | .OAD         |  |
| . S.                 | GRAVEI  | PACK    | 0              | 2          | 2  | 1/4 BAG CONCRETE  |  | TOPL                  | .OAD         |  |
|                      |   |         |                |            |  |   |  |                       |              |  |
| Ī                    | DEPTH   | I (FT)  | THICK          | NESS       |  | COLOR AND TYPE OF MATERIAL ENCOUNT  | ERED                                     | WA                    | ΓER          |  |
|                      | FROM  | то      | (F7            | ")         | (INCL)   | UDE WATER-BEARING CAVITIES OR FRACTU  | RE ZONES)                                | BEAR                  | ING?         |  |
|                      |   |         |                |            |  | ,   |  | ☐ YES                 | □NO          |  |
|                      |   |         |                |            |  |   |  | ☐ YES                 | □ NO         |  |
|                      |   |         |                |            |  |   |  | ☐ YES                 | □NO          |  |
|                      |   |         |                |            |  |   |  | ☐ YES                 | □ NO         |  |
| <b>T</b>             |   |         |                |            |  |   |  | ☐ YES                 | □ NO         |  |
| WEI                  |   |         |                |            |  |   |  | ☐ YES                 | □ NO         |  |
| OF                   |   |         |                |            |  |   |  | ☐ YES                 | □NO          |  |
| 00                   |   |         |                |            |  |   |  | ☐ YES                 | □ NO         |  |
|                      |   |         |                | *          |  |   |  | ☐ YES                 | □NO          |  |
| GEOLOGIC LOG OF WELL |   |         |                |            |  |   |  | ☐ YES                 | □NO          |  |
| GEO.                 |   |         |                |            |  |   |  | ☐ YES                 | □ NO         |  |
| ا ف                  |   |         |                | ·          |  |   |  | ☐ YES                 | □ NO         |  |
|                      |   |         |                |            |  |   |  | ☐ YES                 | □ NO         |  |
|                      |   |         |                |            |  |   |  | ☐ YES                 | □ио          |  |
|                      |   |         |                |            |  |   |  | ☐ YES                 | □ №          |  |
|                      |   |         |                |            |  |   |  | ☐ YES                 | □ NO         |  |
|                      |   |         |                |            |  |   |  | ☐ YES                 | □ NO         |  |
|                      |   |         | ATTACH         | ADDITION   | AL PAGES AS NE   | EDED TO FULLY DESCRIBE THE GEOLOGIC   | LOG OF THE WELL                          |                       |              |  |
| 0                    |   |         | METHOD:        | BAILE      | R 🗹 PUMP   | ☐ AIR LIFT ☐ OTHER – SPECIFY:   |  |                       | 1 1.51 x     |  |
| INFO                 | WELL  | TEST    | TEST RESU      | LTS - ATTA | CH A COPY OF D   | ATA COLLECTED DURING WELL TESTING, I  | NCLUDING START TI                        | ME, END TI            | ME,          |  |
| ایت ا                |   |         | l              |            | NG DISCHARGE A   | AND DRAWDOWN OVER THE TESTING PERIO   | D.                                       |                       |              |  |
| IIONA                |   |         | MENTS OR EXPLA | ANATIONS:  | many property and the property of the second |   |  |                       |              |  |
| & ADDIT              | PLUGG<br>1 FT OF  |         | IG REMOV       | ED FROM    | M HOLE   |   |  |                       |              |  |
|                      |   |         |                |            |  |   |  |                       |              |  |
| 7. TEST              |   |         |                |            |  |   |  |                       |              |  |
| 7. T                 |   |         |                |            |  |   |  |                       |              |  |
|                      |   |         |                |            |  |   |  |                       |              |  |
| E.                   | CORREC  | T RECOR | D OF THE AB    | OVE DESCI  | RIBED HOLE ANI   | ST OF HIS OR HER KNOWLEDGE AND BELIE<br>O THAT HE OR SHE WILL FILE THIS WELL RE | r, the foregoing IS<br>CORD WITH THE STA | A TRUE A<br>TE ENGINE | ND<br>ER AND |  |
| ATU                  | THE PER   | MIT HOL | DER WITHIN     | 20 DAYS A  | FTER COMPLETION  | ON OF WELL DRILLING:  |  |                       |              |  |
| SIGNATURE            | Th  | ati     | . Xtm          | l.         |  | 4-11-11   |  |                       |              |  |
| 8. S                 | <del>                                   </del>  |         | SIGNATUR       | E OF DRILL | ÆR   | DATE  |  |                       |              |  |
| <u> </u>             | SIGNATURE OF DRILLER DATE   |         |                |            |  |   |  |                       |              |  |

| FOR OSE INTERNAL USE |            |    | WELL RECORD & LOG (Version 6/9/08) |             |  |
|----------------------|------------|----|------------------------------------|-------------|--|
| FILE NUMBER          | POD NUMBER | 49 | TRN NUMBER                         |             |  |
| LOCATION             |            |    |                                    | PAGE 2 OF 2 |  |

FOR OSE INTERNAL USE

FILE NUMBER

LOCATION

|                           | 11 %      |            |                 |                     |                             |   |      |                     |                   |   |            |                                       |
|---------------------------|-----------|------------|-----------------|---------------------|-----------------------------|---|------|---------------------|-------------------|---|------------|---------------------------------------|
|                           |           | BER (WELL) | •               |                     |                             |   |      | OSE FILE NUI        | MBER(S)           |   |            |                                       |
| ğ                         | R.L. RC   | GERS       | MW-2            |                     |                             |   |      |                     |                   |   |            |                                       |
| AT                        |           | NER NAME(  |                 |                     |                             |   |      | PHONE (OPTI         | ONAL)             |   |            |                                       |
| . 03                      | PLAINS    | MARKI      | ETING LP        |                     |                             |   | ĺ    | 1                   |                   |   |            |                                       |
| [[]                       |           |            | NG ADDRESS      | ·                   |                             |   |      | CITY                |                   | STATE                                   |            | ZIP                                   |
| WE                        | 333 CL/   | AY STR     | EET, SUITE      | 1600                |                             |   |      | HOUSTON TX 770      |                   |   | 7078       |                                       |
| Đ.                        | WELI      |            |                 | DEGREES             | MINUTES                     | SECONDS                                 |      |                     |                   | *************************************** |            |                                       |
| LA                        | LOCATI    |            | ATITUDE         | 32                  | 37                          | 19.00                                   | N    | * ACCURACY          | REQUIRED: ONE TEN | TH OF A SE                              | COND       |                                       |
| RA                        | (FROM C   | PS)        |                 | 103                 | 16                          | 51.00                                   | w    | * DATUM REG         | QUIRED: WGS 84    |   |            |                                       |
| GENERAL AND WELL LOCATION |           |            | ONGITUDE        | ON TO STREET ADDRES |                             |   |      |                     |                   |   |            |                                       |
| . ต                       |           |            |                 | OUTH OF MON         |                             |   |      |                     |                   |   |            |                                       |
| : 100                     | INILE     | WESIC      | x 1/2 WILE St   | JUTH OF MON         | OMENT NM.                   | LEA CO                                  |      |                     |                   |   |            |                                       |
|                           | (2.5 ACI  | RE)        | (10 ACRE)       | (40 ACRE)           | (160 ACRE)                  | SECT                                    | ON   |                     | TOWNSHIP          |   | RANGE      |                                       |
| 4                         | ı,        | 4          | 1/4             | 1/4                 | 1/4                         |   |      |                     |                   | □ NORTH  SOUTH                          |            | ✓ EAST  □ WEST                        |
| NC                        | SUBDIVISI |            |                 |                     |                             | LOT 1                                   | MUV  | BER                 | BLOCK NUMBER      | <u> </u>                                | UNIT/TRA   |                                       |
| OPTIONAL                  |           |            |                 |                     |                             |   |      |                     |                   |   |            |                                       |
| 2.0                       | HYDROGR   | APHIC SUR  | VEY             |                     | <b>***</b>                  |   |      |                     | MAP NUMBER        | <del></del>                             | TRACT N    | JMBER .                               |
|                           |           |            |                 |                     |                             |   |      |                     |                   |   |            |                                       |
|                           | LICENSE N | UMBER      | NAME OF LICE    | NSED DRILLER        |                             |   |      |                     | NAME OF WELL DE   | ULLING COM                              | /PANY      |                                       |
|                           | WD        | 1478       | MARTIN S        |                     |                             |   |      |                     | STRAUB CO         |   |            |                                       |
| (1)<br>                   | DRILLING  | STARTED    | DRILLING END    | ED DEPTH OF COM     | PLETED WELL (FT)            | BORE                                    | HOL  | E DEPTH (FT)        | DEPTH WATER FIR   |   |            | · · · · · · · · · · · · · · · · · · · |
| 7                         | 3-2       | 1-11       | 3-21-11         |                     | 24                          |   |      | 24                  |                   |   |            |                                       |
| [0]                       |           | <u> </u>   |                 |                     |                             |   |      |                     | STATIC WATER LE   | VEL IN COM                              | PLETED WEI | LL (FT)                               |
| DRILLING INFORMATION      | COMPLETI  | ED WELL IS | : ARTESIAN      | DRY HOLE            | Y HOLE SHALLOW (UNCONFINED) |   |      |                     |                   |   |            |                                       |
| FO                        | DRILLING  | FLUID:     | AIR             | MUD                 | ADDITIVES                   | - SPECIFY:                              |      |                     |                   |   |            |                                       |
|                           | DRILLING  | METHOD:    | ROTARY          | HAMMER              | CABLE TOO                   | л По                                    | THE  | R – SPECIFY:        |                   |   |            |                                       |
| Ž                         |           | H (FT)     | BORE HOL        |                     | CASING                      |   |      |                     | INSIDE DIA.       | CAGDY                                   | G WALL     | SLOT                                  |
| E                         | FROM      | ТО         | DIA. (IN)       | ľ                   | ATERIAL                     |   |      | NECTION<br>(CASING) | CASING (IN)       |   | NESS (IN)  | SIZE (IN)                             |
| O.                        |           |            |                 |                     |                             | halofordin come the MANNEY or commenter |      |                     |                   |   |            |                                       |
|                           |           |            | +               |                     |                             |   |      |                     |                   |   |            |                                       |
|                           |           |            |                 |                     |                             |   |      |                     |                   | <u> </u>                                |            |                                       |
|                           |           |            |                 |                     |                             |   |      |                     |                   |   |            |                                       |
|                           | DEPT      | H (FT)     | THICKNES        | S E                 | ORMATION DESC               | CRIPTION C                              | )F P | RINCIPAL W          | ATER-BEARING S    | TRATA                                   |            | YIELD                                 |
| ₹                         | FROM      | ТО         | (FT)            | `                   |                             | -                                       |      |                     | R FRACTURE ZON    |   |            | (GPM)                                 |
| <b>₽</b>                  |           |            |                 |                     |                             |   | _    |                     |                   | <u> </u>                                | •          |                                       |
| ST                        |           |            |                 |                     |                             |   |      | ····                |                   | <del></del>                             |            |                                       |
| Ž                         |           |            |                 |                     |                             |   |      |                     |                   | · · · · · · · · · · · · · · · · · · ·   |            |                                       |
| AR                        |           |            |                 |                     |                             |   | _    |                     |                   |   |            |                                       |
| <b>8</b>                  |           |            |                 |                     |                             |   |      |                     | <del></del>       |   |            |                                       |
| WATER BEARING STRATA      | METHOD I  | JSED TO FS | TIMATE YIELD OF | WATER-BEARING STRA  | TA.                         |   |      |                     | TOTAL ESTIMATE    | WELL YIEI                               | D (GPM)    | <u> </u>                              |
| A                         |           |            |                 |                     |                             |   |      |                     |                   |   | \ <b>/</b> |                                       |
| 4                         | <u></u>   |            |                 |                     |                             |   |      |                     | <u> </u>          |   | ·          |                                       |
|                           |           |            |                 |                     |                             |   |      |                     |                   |   |            |                                       |

POD NUMBER

WELL RECORD & LOG (Version 6/9/08)

PAGE 1 OF 2

TRN NUMBER

| TYPE OF PUMP: SUBMERSIBLE JET NO PUMP – WELL NOT EQUIPPED CYLINDER OTHER – SPECIFY: |         |          |                                     |                        |                                  |   |                         |                |              |
|---|---------|----------|-------------------------------------|------------------------|----------------------------------|---|-------------------------|----------------|--------------|
| SEAL AND PUMP   | ANNI    | II AR    | DEPTH<br>FROM                       | (FT)                   | BORE HOLE<br>DIA. (IN)           | MATERIAL TYPE AND SIZE  | AMOUNT<br>(CUBIC FT)    | METHO<br>PLACE |              |
| Į Į   | SEAL    | AND      | 2                                   | 24                     | 2                                | 1 BAG OF 3/8 PLUG   |                         | TOPL           | OAD          |
| 5. SI   | GRAVE   | L PACK   | 0                                   | 2                      | 2                                | 1/4 BAG CONCRETE  |                         | TOPL           | OAD          |
|   |         |          |                                     |                        |                                  |   |                         | L              |              |
| · T   | DEPTI   | H (FT)   | THICK                               | NESS                   |                                  | COLOR AND TYPE OF MATERIAL ENCOUNTE   | ERED                    | WAT            | ΓER          |
| , t   | FROM    | то       | (FT                                 |                        | (INCL                            | UDE WATER-BEARING CAVITIES OR FRACTU  | RE ZONES)               | BEAR           |              |
| ı .   |         |          | · · · · · · · · · · · · · · · · · · |                        |                                  |   |                         | ☐ YES          | □ NO         |
| 1 2010  |         |          |                                     |                        |                                  |   | ,                       | ☐ YES          | □ №          |
| ı İ   |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □ио          |
| <u> </u>  |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □NO          |
| l l   |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □ NO         |
| WEL   |         | •        |                                     |                        |                                  |   |                         | ☐ YES          | □ №          |
| 9   |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □ио          |
| δ   |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □ №          |
| GEOLOGIC LOG OF WELL  |         |          | 4                                   |                        |                                  |   |                         | ☐ YES          | □NO          |
| 91  |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □NO          |
| 99  |         |          |                                     |                        |                                  |   |                         | YES            | □NO          |
| 9   |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □ №          |
| at not f  |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □NO          |
|   |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □ №          |
| i   |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □NO          |
| ı - · · ·   [   |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □ №          |
| j: [  |         |          |                                     |                        |                                  |   |                         | ☐ YES          | □ио          |
|   |         |          | ATTACH                              | ADDITION.              | AL PAGES AS NE                   | EEDED TO FULLY DESCRIBE THE GEOLOGIC  | LOG OF THE WELL         |                |              |
| 0   |         |          | METHOD:                             | BAILE                  | R 🗹 PUMP                         | ☐ AIR LIFT ☐ OTHER – SPECIFY:   |                         |                | **           |
| AL INFO   | WELL    | TEST     | TEST RESU<br>AND A TAB              | LTS - ATTA<br>LE SHOWI | CH A COPY OF D<br>NG DISCHARGE A | ATA COLLECTED DURING WELL TESTING, II<br>AND DRAWDOWN OVER THE TESTING PERIO  | NCLUDING START TI<br>D. | ME, END TI     | ME,          |
| 7. TEST & ADDITIONAL  |         |          | IENTS OR EXPL                       | ANATIONS:              |                                  |   |                         |                |              |
| DIT   |         | ING RE   |                                     |                        | 411015                           |   |                         |                |              |
| Y V   | 1 1 0   | - CASIN  | IG REMOV                            | ED FROM                | VI HOLE                          |   |                         |                |              |
| ST  |         |          |                                     | •                      |                                  |   |                         |                |              |
| 'TE   |         |          |                                     |                        |                                  |   |                         |                |              |
|   |         |          |                                     |                        |                                  |   |                         |                |              |
| Ħ   | THE UNI | DERSIGNE | ED HEREBY C                         | ERTIFIES T             | HAT, TO THE BE                   | ST OF HIS OR HER KNOWLEDGE AND BELIE<br>THAT HE OR SHE WILL FILE THIS WELL RE | THE FOREGOING IS        | A TRUE A       | ND<br>FR AND |
| SIGNATURE   |         |          |                                     |                        |                                  | ON OF WELL DRILLING:  | COLD WITH THE STA       | I DINOINE      | LK AND       |
| GNA   | gr      | 1. +.    | St                                  | l                      |                                  | 1. 1 - 1.   |                         |                |              |
| % SI  | 11      | wh       | SIGNATUR                            | E OF DDE 1             | ED                               | <u> </u>  |                         |                |              |
|   |         |          | SIGNATUR                            | E OL DKILL             | ALK                              | DATE  |                         |                |              |

| FOR OSE INTERNAL USE | WELL RECORD & LOG (V |            |             |  |  |
|----------------------|----------------------|------------|-------------|--|--|
| FILE NUMBER          | POD NUMBER           | TRN NUMBER | •           |  |  |
| LOCATION             |                      |            | PAGE 2 OF 2 |  |  |

| POD NUMBER (WELL NUMBER) R.L. ROGERS MW-3  WELL OWNER NAME(S) PLAINS MARKETING LP  WELL OWNER MAILING ADDRESS 333 CLAY STREET, SUITE 1600  WELL LOCATION (FROM GPS) LONGITUDE  DEGREES MINUTES SECONDS LONGITUDE  103 16 52.00  *ACCURACY REQUIRED: ONE TENTH OF A SECOND *DATUM REQUIRED: WGS 84  DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE)  (10 ACRE)  (40 ACRE)  (40 ACRE)  (160 ACRE)  SECTION  TOWNSHIP  NORTH  NORTH  SUBDIVISION NAME  LOT NUMBER  WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS 1 LOT NUMBER  NORTH  NORTH  NORTH  NORTH  NORTH  NORTH  LOT NUMBER  THATENDRE | ✓ EAST WEST      |
|--|------------------|
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | 78  ✓ EAST  WEST |
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | 78  ✓ EAST  WEST |
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | 78  ✓ EAST  WEST |
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | 78  ✓ EAST  WEST |
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | ✓ EAST WEST      |
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | WEST             |
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | WEST             |
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | WEST             |
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | WEST             |
| 1 MILE WEST & 1/2 MILE SOUTH OF MONUMENT NM. LEA CO  (2.5 ACRE) (10 ACRE) (40 ACRE) (160 ACRE) SECTION TOWNSHIP NORTH RANGE  | WEST             |
| □ NORTH  | WEST             |
|  | •                |
| SUBDIVISION NAME LOT NUMBER BLOCK NUMBER UNIT/TRAC   |                  |
|  | BER              |
|  | BER              |
| HYDROGRAPHIC SURVEY MAP NUMBER TRACT NUM   |                  |
|  |                  |
| LICENSE NUMBER NAME OF LICENSED DRILLER NAME OF WELL DRILLING COMPANY  | •                |
| WD1478 MARTIN STRAUB STRAUB CORPORATION  |                  |
| DRILLING STARTED DRILLING ENDED DEPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT)  3-21-11 3-21-11 24 24  |                  |
| 3-21-11 3-21-11 24 24 STATIC WATER LEVEL IN COMPLETED WELL   | (ET)             |
| COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED)  DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:  DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY:  DEPTH (FT) BORE HOLE CASING CONNECTION INSIDE DIA. CASING WALL TYPE (CASING) CASING (IN) THICKNESS (IN)   | ,F1)             |
| DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:   |                  |
| DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY:   |                  |
| DEPTH (FT) BORE HOLE CASING CONNECTION INSIDE DIA. CASING WALL   | SLOT             |
| FROM TO DIA. (IN) MATERIAL TYPE (CASING) CASING (IN) THICKNESS (IN)  | SIZE (IN)        |
|  |                  |
|  |                  |
|  |                  |
|  |                  |
| DEPTH (FT) THICKNESS FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA   | YIELD            |
| FROM TO (FT) (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)  | (GPM)            |
| Harris III   |                  |
|  |                  |
|  |                  |
| BEZ  | <del></del>      |
|  |                  |
| FROM TO (FT) (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)  METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA  TOTAL ESTIMATED WELL YIELD (GPM)   |                  |
| 4  |                  |
| FOR OSE INTERNAL USE • WELL RECORD & LOG (Version 6/9.   |                  |

POD NUMBER

FILE NUMBER

LOCATION

TRN NUMBER

PAGE 1 OF 2

| JMP                  | TYPE O                                      | F PUMP:                               | ☐ SUBMER☐ TURBINI       |                        | ☐ JET<br>☐ CYLINDER               | ☐ NO PUMP WELL NOT EQUIPPE☐ OTHER SPECIFY:                               | D                                     |               | 200    |
|----------------------|---|---------------------------------------|-------------------------|------------------------|-----------------------------------|--|---------------------------------------|---------------|--------|
| SEAL AND PUMP        | ANNI  | ULAR                                  | DEPTH<br>FROM           | (FT)                   | BORE HOLE<br>DIA. (IN)            | MATERIAL TYPE AND SIZE   | AMOUNT<br>(CUBIC FT)                  | METH<br>PLACE |        |
| 'AL                  | SEAL  | AND                                   | 2                       | 24                     | 2                                 | 1 BAG OF 3/8 PLUG  |                                       | TOPL          | .OAD   |
| S.S.                 | GRAVE                                       | L PACK                                | 0                       | 2                      | 2                                 | 1/4 BAG CONCRETE   |                                       | TOPL          | .OAD   |
|                      |   |                                       |                         |                        |                                   |  |                                       |               |        |
|                      | DEPT  | H (FT)                                | THICK                   | NESS                   |                                   | COLOR AND TYPE OF MATERIAL ENCOU   | NTERED                                | WA            | TER    |
|                      | FROM  | TO                                    | (FT                     | )                      | (INCLU                            | DE WATER-BEARING CAVITIES OR FRAC  | CTURE ZONES)                          | BEAR          |        |
|                      |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □ NO   |
|                      |   |                                       |                         |                        | ļ ·                               |  |                                       | ☐ YES         | □ NO   |
|                      |   |                                       | •                       |                        |                                   |  |                                       | ☐ YES         | □NO    |
|                      |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □ NO   |
| Į,                   |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □NO    |
| WEI                  |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □NO    |
| OF                   |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □ NO   |
| .0G                  |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □ NO   |
| IC1                  |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □ NO   |
| 700                  |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □NO    |
| GEOLOGIC LOG OF WELL |   |                                       |                         |                        |                                   |  | · · · · · · · · · · · · · · · · · · · | ☐ YES         | □ NO   |
| 6                    |   | , , , , , , , , , , , , , , , , , , , |                         |                        |                                   |  | ,                                     | ☐ YES         | □ NO   |
| uudi.                |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | ОМ     |
| : :.                 |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □ NO   |
|                      |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □ №    |
|                      |   |                                       |                         |                        |                                   |  |                                       | ☐ YES         | □ №    |
|                      |   |                                       |                         |                        |                                   |  | · · · · · · · · · · · · · · · · · · · | ☐ YES         | □ NO   |
|                      |   |                                       | ATTACH                  | ADDITION               | AL PAGES AS NE                    | EDED TO FULLY DESCRIBE THE GEOLOG  | IC LOG OF THE WELL                    |               |        |
| FO                   |   |                                       | METHOD:                 | BAILE                  | R 🗹 PUMP                          | ☐ AIR LIFT ☐ OTHER – SPECIFY:  |                                       |               |        |
| ADDITIONAL INF       | WELL  | TEST                                  | TEST RESUL<br>AND A TAB | LTS - ATTA<br>LE SHOWI | .CH A COPY OF D<br>NG DISCHARGE A | ATA COLLECTED DURING WELL TESTING PE                                     | G, INCLUDING START TI<br>RIOD.        | ME, END TI    | МЕ,    |
| NO.                  | ADDITION                                    | IAL STATEM                            | IENTS OR EXPLA          | ANATIONS:              |                                   |  |                                       |               |        |
| DIT                  |   | ING RE                                |                         |                        |                                   |  |                                       |               |        |
| (A)                  | 1 F I O                                     | - CASIN                               | G REMOV                 | ED FKÖI                | M HOLE                            |  |                                       |               |        |
| ST &                 |   |                                       |                         |                        |                                   |  |                                       |               |        |
| 7. TEST              |   |                                       |                         |                        |                                   |  |                                       |               |        |
|                      |   |                                       |                         |                        |                                   |  |                                       |               |        |
| Œ                    | THE UN                                      | DERSIGNI                              | ED HEREBY C             | ERTIFIES T             | HAT, TO THE BE                    | ST OF HIS OR HER KNOWLEDGE AND BEI<br>THAT HE OR SHE WILL FILE THIS WELL | LIEF, THE FOREGOING IS                | A TRUE A      | ND     |
| TUR                  |   |                                       |                         |                        |                                   | ON OF WELL DRILLING:   | RECORD WITH THE STA                   | TE ENGINE     | EK AND |
| ANE                  | an,   | 1. t                                  | - () <del> </del>       | 1                      |                                   | 1  |                                       |               |        |
| 8. SIGNATURE         | <u>  [                                 </u> | 100                                   | ~ p~~a                  |                        |                                   | 4-1-11   |                                       |               |        |
|                      |   |                                       | SIGNATUR                | E OF DRILL             | LEK                               | DATE   |                                       |               |        |
|                      |   |                                       |                         |                        |                                   |  | <del></del>                           |               |        |

| FOR OSE INTERNAL USE | (Version 6/9/08) |            |             |
|----------------------|------------------|------------|-------------|
| FILE NUMBER          | POD NUMBER       | TRN NUMBER |             |
| LOCATION             |                  |            | PAGE 2 OF 2 |

FOR OSE INTERNAL USE

FILE NUMBER

LOCATION

| _                         |                             |  |   |                  |         |                                       |       |             |          |             |               |                                  |  |            |                |
|---------------------------|-----------------------------|--|---|------------------|---------|---------------------------------------|-------|-------------|----------|-------------|---------------|----------------------------------|--|------------|----------------|
|                           | POD NUMI                    | BER (WE  | LL N  | JMBER)           |         |                                       |       |             |          |             | OSE FILE NUI  | MBER(S)                          |  |            |                |
| NO                        | R.L. RC                     | GER:   | S M   | W-4              |         |                                       |       |             |          |             |               |                                  |  |            |                |
| Ĺ                         | WELL OW                     | NER NAM  | ME(S)   |                  |         |                                       |       |             |          |             | PHONE (OPTI   | ONAL)                            |  |            |                |
| )C/                       | PLAINS                      | MAR  | KE  | TING LP          |         |                                       |       |             |          |             |               |                                  |  |            |                |
| Τ,                        | WELL OW                     | NER MAI  | LING  | ADDRESS          |         | <del></del>                           |       |             |          |             | CITY          |                                  | STATE  |            | ZIP            |
| ELI                       |                             |  |   | ET, SUITE        | 1600    |                                       |       |             |          |             | ноизто        | N                                | TX   | 77         | 078            |
| W (                       |                             |  |   |                  |         | · · · · · · · · · · · · · · · · · · · |       |             |          |             | 1100010       |                                  |  |            |                |
| IN                        | WELI                        | ւ  |   |                  | DEG     |                                       | M     | NUTES       | SECO     |             |               |                                  |  |            |                |
| NF.                       | LOCATI                      | ION  | LAT   | TTUDE            |         | 32                                    |       | 37          | 19       | 9.00 N      |               | REQUIRED: ONE TEN                | NTH OF A SEC                                     | COND       |                |
| GENERAL AND WELL LOCATION | (FROM C                     | GPS)   | LON   | IGITUDE          |         | 103                                   |       | 16          | 5        | 2.00 W      | * DATUM RE    | QUIRED: WGS 84                   |  |            |                |
| Z                         | DESCRIPT                    | TON REI  |   | G WELL LOCATI    | ON TO S |                                       | 1A 22 |             |          |             |               |                                  | ·  |            |                |
| 1.6                       |                             |  |   | 1/2 MILE S       |         |                                       |       |             |          |             |               |                                  |  |            |                |
|                           |                             | ***  |   | 1/2 WILL O       |         | 1 O1 WO                               | *Oiv  | IL 141 141V | 1. LL/   | . 00        |               |                                  |  |            |                |
| 1 24*<br>10.41, 4         | (2.5 AC)                    | RE)  |   | (10 ACRE)        | (44     | 0 ACRE)                               | T     | (160 ACR)   | E)       | SECTION     | · · ·         | TOWNSHIP                         |  | RANGE      |                |
|                           | 1                           | 1/4  |   | 1/4              |         | 1/4                                   |       | 1/2         | á        |             |               |                                  | □ NORTH  SOUTH                                   |            | ✓ east<br>west |
| N.                        | SUBDIVISI                   |  | IE.   |                  |         |                                       |       |             |          | LOT NUM     | IBER          | BLOCK NUMBER                     | U SOUTH  | UNIT/TRA   |                |
| OPTIONAL                  |                             |  |   |                  |         |                                       |       |             |          |             |               |                                  |  |            |                |
|                           | HYDROGR                     | APHIC S  | URVE  | EY               |         |                                       |       |             |          |             |               | MAP NUMBER                       |  | TRACT NU   | JMBER          |
| 7                         |                             |  |   |                  |         |                                       |       |             |          |             |               |                                  |  |            |                |
| 111                       |                             |  |   | r                |         |                                       |       |             |          |             |               | <u> </u>                         |  |            |                |
| 13.                       | LICENSE N                   |  |   | NAME OF LICE     | -       |                                       |       |             |          |             |               | NAME OF WELL DE                  |  |            |                |
|                           |                             | 1478   |   | MARTIN S         |         |                                       |       |             |          |             |               | STRAUB CO                        |  |            |                |
| 1 75                      | DRILLING                    |  | D   | DRILLING ENI     |         | DEPTH OF COM                          |       | ,           | T)       | BORE HO     | LE DEPTH (FT) | DEPTH WATER FIR                  | RST ENCOUN                                       | TERED (FT) |                |
| Š                         | 3-21-11 3-21-11             |  |   |                  |         |                                       | 2     | 5<br>       |          |             | 25            |                                  |  |            |                |
| ATI                       | COMPLETED WELL IS: ARTESIAN |  |   |                  |         | 7                                     | . 1   |             | a n.a.   |             |               | STATIC WATER LE                  | VEL IN COM                                       | PLETED WEI | L (FT)         |
| DRILLING INFORMATION      | COMPLET                     | ED WELL  | LIS:  | ARTESIAN         | · L     | DRY HOLE                              |       | SHALLO      | w (UNCC  | ONFINED)    |               |                                  |  |            | . <u> </u>     |
| (FO                       | DRILLING                    | FLUID:   |   | AIR              |         | MUD                                   | [     | ADDITIV     | ES – SPE | CIFY:       |               |                                  |  |            |                |
| GE                        | DRILLING                    | METHO  | D:  | ROTARY           |         | HAMMER                                | [     | CABLE T     | COOL     | ОТНЕ        | R - SPECIFY:  |                                  |  |            |                |
|                           | DEPT                        | TH (FT)  |   | BORE HOL         | E       |                                       | CAS   | ING         |          | CONI        | NECTION       | INSIDE DIA.                      | CASINO   | G WALL     | SLOT           |
| RIL                       | FROM                        | то   | ,   | DIA. (IN)        |         |                                       |       | RIAL        |          | E           | (CASING)      | CASING (IN)                      |  | ESS (IN)   | SIZE (IN)      |
| 3. Di                     |                             |  |   |                  |         |                                       |       |             |          |             |               |                                  |  |            |                |
|                           |                             | <del>                                     </del> |   |                  |         |                                       |       |             |          | <del></del> | <del></del>   |                                  | <del>                                     </del> |            |                |
|                           | -                           |  |   |                  |         |                                       |       |             |          |             |               |                                  |  |            |                |
|                           |                             |  |   |                  |         |                                       |       |             |          |             |               |                                  | 1  |            |                |
|                           |                             |  |   |                  |         |                                       |       |             |          |             |               | <u> </u>                         |  |            |                |
| •                         |                             | H (FT)   |   | THICKNES<br>(FT) | SS      | F                                     |       |             |          |             |               | ATER-BEARING S<br>R FRACTURE ZON |  |            | YIELD<br>(GPM) |
| AT                        | FROM                        | TO   | <u>,                                     </u> | (11)             |         |                                       | (11   | NCLUDE V    | YAILK    | ·BEARING    | CAVITES       | K FRACTORE ZOI                   |  |            | (01111)        |
| STR                       |                             | <u> </u>   |   |                  |         |                                       |       | ···         |          |             |               |                                  |  |            |                |
| Ç                         |                             |  |   |                  |         |                                       |       |             | .,       |             | <del></del>   |                                  |  |            |                |
|                           |                             |  |   |                  |         |                                       |       |             |          |             |               |                                  |  |            |                |
| BEA                       |                             |  |   |                  |         |                                       |       |             |          |             |               |                                  |  |            |                |
| 4. WATER BEARING STRATA   |                             | <u> </u>   |   |                  |         |                                       |       |             |          |             |               |                                  |  |            |                |
| /AT                       | METHOD (                    | USED TO  | ESTI  | MATE YIELD OF    | WATER-  | BEARING STR                           | ATA   |             |          |             |               | TOTAL ESTIMATE                   | WELL YIEL  | D (GPM)    |                |
| ₹.                        |                             |  |   |                  |         |                                       |       |             |          |             |               |                                  |  |            |                |
|                           |                             |  |   |                  |         |                                       | -     |             |          |             |               |                                  |  |            |                |

POD NUMBER

WELL-RECORD & LOG (Version 6/9/08)

PAGE 1 OF 2

TRN NUMBER

| UMP                  | TYPE O        | F PUMP:     | ☐ SUBMER      |                                       | ☐ JET ☐ CYLINDER       | ☐ NO PUMP – WELL NOT EQUIPPED☐ OTHER – SPECIFY:                         |                                       |                     |          |
|----------------------|---------------|-------------|---------------|---------------------------------------|------------------------|---|---------------------------------------|---------------------|----------|
| SEAL AND PUMP        | ANNU          | JLAR        | DEPTH<br>FROM | TO                                    | BORE HOLE<br>DIA. (IN) | MATERIAL TYPE AND SIZE  | AMOUNT<br>(CUBIC FT)                  | METHO<br>PLACE      |          |
| EAL                  | SEAL          | AND         | 2             | 25                                    | 2                      | 1 BAG OF 3/8 PLUG   |                                       | TOPL                | OAD      |
| 5. Sl                | GRAVE         | L PACK      | 0             | 2                                     | 2                      | 1/4 BAG CONCRETE  |                                       | TOPL                | .OAD     |
|                      |               |             |               |                                       |                        |   |                                       | <u> </u>            |          |
|                      | DEPTI<br>FROM | H (FT)      | THICK<br>(F7  |                                       |                        | COLOR AND TYPE OF MATERIAL ENCOUNT JDE WATER-BEARING CAVITIES OR FRACTI |                                       | WA'<br>BEAR         |          |
| <u> </u>             | 1 10111       |             |               |                                       |                        |   |                                       | ☐ YES               | □ №      |
|                      | -             |             |               |                                       |                        |   |                                       | ☐ YES               | □NO      |
| :                    |               |             |               |                                       |                        |   |                                       | ☐ YES               | □NO      |
| :                    |               | _           |               |                                       | 1                      |   |                                       | □ YES               | □ NO     |
| I,                   |               |             |               |                                       | ·                      |   |                                       | ☐ YES               | □NO      |
| VEL                  |               |             |               |                                       |                        |   |                                       | ☐ YES               | □NO      |
| OF.                  |               | <del></del> |               |                                       |                        |   | · · · · · · · · · · · · · · · · · · · | ☐ YES               | □NO      |
| 00                   |               |             |               |                                       |                        |   |                                       | ☐ YES               | □NO      |
| ICL                  |               |             |               |                                       |                        |   |                                       | ☐ YES               | □NO      |
| 507                  |               |             |               |                                       |                        |   |                                       | YES                 | □NO      |
| GEOLOGIC LOG OF WELL |               |             |               |                                       |                        |   |                                       | ☐ YES               | □NO      |
| 9                    |               |             |               | · · · · · · · · · · · · · · · · · · · |                        |   |                                       | ☐ YES               | □NO      |
| . estima             |               |             |               |                                       |                        |   |                                       | ☐ YES               | □ NO     |
| i i                  |               |             |               |                                       |                        |   |                                       | ☐ YES               | □ NO     |
|                      |               |             | •             |                                       |                        |   |                                       | ☐ YES               | □ NO     |
|                      |               |             |               |                                       |                        |   |                                       | ☐ YES               | □NO      |
|                      |               |             |               |                                       |                        |   |                                       | ☐ YES               | □NO      |
|                      |               |             | ATTACH        | ADDITION                              | AL PAGES AS NE         | EDED TO FULLY DESCRIBE THE GEOLOGIC                                     | LOG OF THE WELL                       | ••                  |          |
|                      |               |             | METHOD:       | BAILE                                 | R 🗹 PUMP               | ☐ AIR LIFT ☐ OTHER – SPECIFY:   |                                       |                     | <u> </u> |
| L INFO               | WELL          | TEST        | TEST RESU     | LTS - ATTA                            | CH A COPY OF D         | ATA COLLECTED DURING WELL TESTING, IND DRAWDOWN OVER THE TESTING PERIOD | NCLUDING START TI                     | ME, END TI          | ME,      |
| ADDITTONAL           | ADDITION      | AL STATEM   | MENTS OR EXPL | ANATIONS:                             |                        |   |                                       |                     |          |
| H                    | PLUGG         |             |               |                                       |                        |   |                                       | ALL TO MERCHAN 1 of |          |
|                      | 1 FT OF       | CASIN       | IG REMOV      | ED FROM                               | M HOLE                 |   |                                       |                     |          |
| TEST &               |               |             |               |                                       |                        |   |                                       |                     |          |
| TE                   |               |             |               |                                       |                        |   |                                       |                     |          |
| 7.                   |               |             |               |                                       |                        |   |                                       |                     |          |
| 3                    | THE UN        | DERSIGNI    | ED HEREBY C   | CERTIFIES 1                           | THAT, TO THE BE        | ST OF HIS OR HER KNOWLEDGE AND BELIE                                    | F, THE FOREGOING IS                   | A TRUE A            | ND       |
| TUR                  |               |             |               |                                       |                        | OTHAT HE OR SHE WILL FILE THIS WELL RI<br>ON OF WELL DRILLING:          | CORD WITH THE STA                     | TE ENGINE           | EER AND  |
| SIGNATURE            | m             | 1.4-        | 1-1           |                                       |                        | 16  |                                       |                     |          |
| 8. SIC               |               | on-         | 03~0~)        | 7.07.==                               |                        | <u> </u>  |                                       |                     |          |
|                      |               |             | SIGNATUR      | E OF DRILI                            | .ER                    | DATE  |                                       |                     | <u> </u> |
|                      |               |             |               |                                       | <u> </u>               |   |                                       |                     | -        |

| FOR OSE INTERNAL USE | WELL RECORD & LO | G (Version 6/9/08) |            |             |
|----------------------|------------------|--------------------|------------|-------------|
| FILE NUMBER          | POD NUMBER       | <b>-</b>           | TRN NUMBER |             |
| LOCATION             |                  |                    |            | PAGE 2 OF 2 |