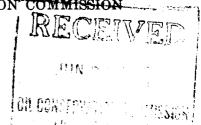


AREA 640 ACRES
LOCATE WELL CORRECTLY

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

|  | r on  |   | -   |  | Company of   | ir Dheratoi  |  |  |  | Lease   |             |               |
|--|---|---|---|--|--|--|--|--|--|---|-------------|---------------|
|  |   |   | W   | Vell No  |  |  |  | of \$  | Sec <b>2</b>   |   | , т15-      | <b>.</b>      |
| 37-E   | , N   | . M. I  | P. M., Dent   |  |  |  |  |  |  |   |             |               |
| ell is   | -,  |   |   |  |  |  |  |  |  |   | Sec. 2-15   | IS-37E        |
| State la   | ind the   | oil and   | i gas lease is  | s No53.  | 51.7   | Assign   | neme   | nt No  |  |   | -•          |               |
| patente  | ed land   | the c   | wner is   |  |  |  |  | <del>,</del>   | Addre  | 88  |             |               |
| Govern   | ment la   | nd the  | e permittee   | is   |  |  |  | <del></del> ,  | Addre  | ss  |             | <del></del> ; |
| e Lesse  | ee is.Ca  | ul o  | il Cerpe  | ration-  | Port Wor   | th Prod  | L. D   | <b>1y.</b> ,   | Addre  | s <b>Box 129</b>  | O,Ft. Hos   | rth, Tex      |
| illing c   | ommen   | ced_1   | 1-18-51   |  | 19   | Drill  | ing w  | as com   | oleted   | 6-5-52  | L           | 19            |
| me of  | drilling  | conti   | ractor_Mix  | ilya Dr  | illing C   | ompany   |  |  | Addre  | ess   |             |               |
| evation  | above   | sea le  | vel at top of   | casing_  | 3815   | feet.  |  |  |  |   |             |               |
| he infor   | mation  | given   | is to be kep  | t confiden   | itial until  |  |  |  |  |   |             | 19            |
|  |   |   |   |  | OIL SAN  | DS OR  | ZONI   | es   |  |   |             |               |
| o. 1, fro  | m_1   | 2,160   | 1 <b>9</b> to   | · 12,4   | 80!  | No. 4,   | , fron   | n  |  | to  |             |               |
| o. 2, fro  | m   |   | t   | 0  |  | No. 5,   | , fron   | n  |  | to  |             |               |
| o. 3, fro  | m   |   | t   | 0  |  | No. 6  | , fron   | n  |  | to  |             |               |
|  |   |   |   | 1  | IMPORTAN'  | T WATE   | R SA   | ANDS   |  |   |             |               |
| clude d  | ata on  | rate o  | f water infl  | ow and el  | levation to  | which wa   | ter r  | ose in h   | ole.   |   |             |               |
| ). 1, fr   | om  |   |   |  | to   |  |  |  | fe   | et  |             |               |
| o. 2, fr   | o <b>m</b>  |   |   |  | to   | ······································   |  |  | fe   | et  |             |               |
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| ). 4. fr   | ·o <b>m</b>   |   |   |  | to   |  |  |  | fe   | et  |             |               |
|  |   |   |   |  | CASI   | IG RECO  | RD   |  |  |   |             |               |
| SIZE   | WEIGH<br>PER I  |   | THREADS<br>PER INCH   | MAKE   | AMOUNT   | KIND O   |  | CUT & F  | ILLED<br>OM  | PERFO<br>FROM   | RATED<br>TO | PURPOSE       |
| الموا  | ۱ ۱۰۰۰<br>  |   |   |  |  |  |  |  |  |   | 1           |               |
| -3/84<br>-x/a  | - 48<br>26 =  | LA  |   | \$3<br>99  | 3421   |  |  |  |  | <u> </u>  |             |               |
| 7×   | 26-29   | -32/  | 756   | 55   | 12,5791  |  |  |  |  | 12,4801   | 12,3401     | Prod.         |
|  |   |   |   | -  |  |  | -  |  |  | 12,260  | 12,1601     | Prod.         |
|  | <del>_</del> _  | -+  |   |  | -  | -  |  |  |  |   | 1           | 1             |
|  |   |   |   |  |  |  |  |  |  | ,   |             |               |
|  | SIZIC O   |   | INRE SET  | MUD<br>NO. SAC<br>OF CEME  | DDING AND  | CEMEN  |  |  | ORI)<br>————————————————————————————————————                                       | VITY  | AMOUNT OF   | MUD USE       |
|  |   |   | 3611  | NO. SAC<br>OF CEME   | CKS ME   | rhod use   |  |  |  | VITY  | AMOUNT OF   | MUD USEI      |
|  |   |   | 3611<br>46851<br>12.5951  | NO. SAC<br>OF CEME   | CKS MF   | rhod usi   |  |  |  | VITY  | AMOUNT OF   | MUD USER      |
|  |   |   | 3612<br>46851<br>12,5951  | NO. SAC<br>OF CEME<br>350  | CKS MF   | CHOD USE   |  |  |  | VITY  | AMOUNT OF   | MUD USE       |
| HOLE<br>-1/2*<br>-1/4*   | 13-3<br>9-5   | ( W1  | 361 <sup>1</sup><br>4685 <sup>1</sup><br>12,995 <sup>1</sup>  | NO. SAC<br>OF CEME<br>350<br>2000  | CKS MET  | CHOO USE<br>CHOO<br>CHOO<br>CHOO   | APTI   | MU   | D GRA  |   |             |               |
| 1/2" -1/4" -3/4"   | 13-3<br>9-5<br>7  | -Mater  | 3611<br>46851<br>12,9951  | NO. SAC<br>OF CEME<br>350<br>2000<br>1050  | PLUGS  | CHOO USE<br>CHOO<br>CHOO<br>CHOO<br>AND AD.  | APTI   | MU   | D GRA  |   |             |               |
| 1/2" -1/4" -3/4"   | 13-3<br>9-5<br>7  | -Mater  | 3611<br>46851<br>12,9951  | NO. SACOF CEMES 350 2000 1050  | PLUGS Leng Size  | ONGO ONGO AND AD   | APTI   | MU   | D GRA  | Depth Se  |             |               |
| 1/2" -1/4" -3/4"   | 13-3<br>9-5<br>7  | -Mater  | 3611<br>46851<br>12,9951  | NO. SACOF CEMES 350 2000 1050  | PLUGS  | ONGO ONGO AND AD   | APTI   | MU   | D GRA  | Depth Se  |             |               |
| 1/2" -1/4" -3/4"   | 13-3<br>9-5<br>plugMate   | -Mater  | 3611<br>46851<br>12,5951  | NO. SACOF CEMES 350 2000 1050  | PLUGS Leng Size SHOOTING   | ONGO ONGO AND AD   | APTI   | MU   | D GRA  | Depth Se  | .t          |               |
| Heaving  | 13-3<br>9-5<br>plugMate   | -Mater  | 3611<br>46851<br>12,5951  | NO. SACOF CEMER  350  2000  1050  CORD OF  | PLUGS Leng Size SHOOTING   | GWGO AND AD  | APTI   | MU ERS   | D GRA  | Depth Se  | .t          |               |
| Heaving  | 13-3<br>9-5<br>plugMate   | -Mater  | 3611<br>46851<br>12,5951  | NO. SACOF CEMER  350  2000  1050  CORD OF  | PLUGS Leng Size SHOOTING   | GWGO AND AD  | APTI   | MU ERS   | D GRA  | Depth Se  | .t          |               |
| Heaving  | 13-3<br>9-5<br>plugMate   | -Mater  | 3611<br>46851<br>12,5951  | NO. SACOF CEMER  350  2000  1050  CORD OF  | PLUGS Leng Size SHOOTING R ED QUAN   | THOD USE   | APTI   | MU ERS   | D GRA  | Depth Se  | .t          |               |
| Heaving Adapters   | plug-Mate   | -Mater  | 3611<br>46851<br>12, 5951   | NO. SACOF CEME  350  2000  1050  CORD OF  PLOSIVE OF  MICAL USI  | PLUGS Leng Size SHOOTING R ED QUAN   | THOD USE   | APTI   | MU ERS   | D GRA  | Depth Se  | .t          |               |
| Heaving Adapters   | plug  | -Mater  | 3611<br>46851<br>12,9951<br>ial EXP<br>CHEM<br>2-Act<br>3-Act<br>3-Act  | NO. SACOF CEMES  350  2000  1050  CORD OF  PLOSIVE O  MICAL USI  4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | PLUGS Leng Size SHOOTING R ED QUAN   | THOD USE   | DAPTI DA 5-26 6-3-                                       | MU  ERS  ICAL T  -52 -52 -52 -52   | D GRA  | Depth Se  | .t          |               |
| Heaving Adapters SIZE  | plug  | -Mater  | 3611 A6851 L2,9951  SED CHEM 2-Aci 3-Aci 1-Aci in 91 hr   | NO. SAGOF CEME  350  2000  1050  PLOSIVE OF MICAL USI  4 156 H   | PLUGS Leng Size SHOOTING R QUAN 1000 R 1000 R 1000 R 1000 R 15,000   | CHOO USE<br>CHOO<br>CHOO<br>CHOO<br>CHOO<br>CHOO<br>CHOO<br>CHOO<br>CHO  | DA PTI DA S-26-3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-    | MU  GRS  ICAL T  1-52 1-52 1-52 1-52                                       | D GRA  | Depth Se  | .t          |               |
| Heaving Adapters   | plug  | -Mater  | 3611   46851  | NO. SAGOF CEME  350  2000  1050  PLOSIVE O MICAL USI  4 155 H  | PLUGS Leng Size SHOOTING R QUAN R 1000 R 1000 R 15000  | THOD USE  ONCO ONCO ONCO ONCO ONCO ONCO ONCO ON  | DAPTI DA 5-26 6-3- 0-8                                   | MU GRS ICAL T ATE -52 -52 -52 hrs.   | DEFOR 12;  | Depth Se  | .t          |               |
| Heaving Adapters SIZE  Results  1-6  | plug-Mate   | -Mater  | 3611   46851  | NO. SACOF CEMER  350 2000 1050  CORD OF PLOSIVE OF MICAL USI 4 155 H 4 | PLUGS Leng Size SHOOTING R QUAN R 1000 R 1000 R 152 bbl OF DRILL   | THOO USE<br>ONCO<br>ONCO<br>AND AD.<br>th<br>G OR CI<br>TITY   | DA 5-26 5-27 6-3- n. 8                                   | MU  GERS  ICAL T  ATE  -52  -52  IAPE  APECIA                              | DEFOR  | Depth Se  | DEPTH CI    | LEANED OU     |
| Heaving Adapters  SIZE  Results  1-6  3-2  | plug- s-Mate sitem or   | -Mater rial - ting of ting other                          | 3611 A6851 L2,9951  SED CHEM 2-Aci 3-Aci r chemical t   | NO. SACOF CEMER  350 2000 1050  CORD OF PLOSIVE OF MICAL USI 4 154 154 154 154 154 154 154 154 154 15  | PLUGS Leng Size SHOOTING RED QUAN RED QUAN RED 5000 RE 15,000  | THOD USE  ONCO  ONCO  AND AD  THITY  SAL  STEM A  S WERE M  OOLS USI   | HEMI DA 5-26 5-27 6-3- ND S ade,                         | MU ERS ICAL T ATE -52 -52 -52 -52 -52 -52 -52 -52 -52 -52                  | DEFOR 12, 12, 12, 12, report   | Depth Sement TH SHOT TREATED  479-12;4 477-12;4 477-12;4 677-12;4   | DEPTH CI    | LEANED OU     |
| Heaving Adapters  SIZE  Results  1-6  drill-s  | plug- s-Mate sitem or   | -Mater rial - ting of ting other                          | 3611 46851 12,9951 ial REC  | NO. SACOF CEMER  350 2000 1050  CORD OF PLOSIVE OF MICAL USI 4 154 154 154 154 154 154 154 154 154 15  | PLUGS Leng Size SHOOTING RED QUAN RED QUAN RED 5000 RE 15,000  | THOD USE  ONCO  ONCO  AND AD  THITY  SAL  STEM A  S WERE M  OOLS USI   | HEMI DA 5-26 5-27 6-3- ND S ade,                         | MU ERS ICAL T ATE -52 -52 -52 -52 -52 -52 -52 -52 -52 -52                  | DEFOR 12, 12, 12, 12, report   | Depth Sement TH SHOT TREATED  479-12;4 477-12;4 477-12;4 677-12;4   | DEPTH CI    | LEANED OU     |
| Heaving Adapters  SIZE  Results  3-2  If drill-s   | plug- s-Mate stem or ools we                                      | -Mater rial   | 3611 A6851 L2,9951  ial REC BED CHEM 2-Aci 3-Aci r chemical t in 91 hr in 7 hr  | NO. SACOF CEME  350  2000  1050  PLOSIVE O  MICAL USI  4 155  4 155  RECORD  S or devia  | PLUGS Leng Size SHOOTING R QUAN R 1000 R 1000 R 15,000  | THOD USE  ONCO ONCO ONCO AND AD  THOT  THOM  THO | DAPTI DA 5-26 5-3- 0-3- 0-3- 0-3- 0-3- 0-3- 0-3- 0-3-    | MU GRS ICAL T ATE -52 -52 -52 APECIA submit                                | DEFORMANT TEST   | Depth Sement  THEATED  A79-12,4  A77-12,4  A77-12,4   | DEPTH CI    | LEANED OU     |
| Heaving Adapters  SIZE  Results  3-2  Rotary t   | plug- s-Mate stem or ools we                                      | -Mater rial   | 3611 A6851 2,9951  ial REC RED CHEM 2-Aci 3-Aci r chemical t in 91 hr in 7 hr special tests   | NO. SACOF CEME  350  2000  1050  PLOSIVE O  MICAL USI  4 155  4 155  RECORD  S or devia  | PLUGS Leng Size SHOOTING R QUAN R 1000 R 1000 R 15,000 R 15,000 R 15,000 R 15,000 R 16eet to 12 feet to 12   | THOD USE  ONCO ONCO ONCO AND AD  THOT  THOM  THO | DAPTI DA 5-26 5-3- 8-3 ND S ade,                         | MU GRS ICAL T ATE -52 -52 -52 APECIA submit                                | DEFORMANT TEST   | Depth Sement  THEATED  A79-12,4  A77-12,4  A77-12,4   | DEPTH CI    | LEANED OU     |
| Heaving Adapters  SIZE  Results  1 drill-s  Rotary t  Cable to   | plug- plug- simulation of shood stem or ools were                 | -Mater rial - ting of ting other re used                  | 3611 A6851 2,9951  ial REC RED CHEM 2-Aci 3-Aci r chemical t in 91 hr in 7 hr special tests   | NO. SACOF CEMER  350 2000 1050  CORD OF PLOSIVE OF MICAL USI 4 154 H 4 154 H 4 154 H 4 154 H 5 Featment  RECORD S or devia   | PLUGS Leng Size SHOOTING RED QUAN RED QUAN RED 5000 R 15,000  | THOD USE  ONCO  ONCO  AND AD  THOM AD   | DAPTI DA 5-26 5-3- 8-3 ND S ade,                         | MU GRS ICAL T ATE -52 -52 -52 APECIA submit                                | DEFORMANT TEST   | Depth Sement  THEATED  A79-12,4  A77-12,4  A77-12,4   | DEPTH CI    | LEANED OU     |
| Heaving Adapters  SIZE  Results  1-6  Gotary t  Cable to   | plug  | -Mater rial - ting of the used e used                     | A6851  A6851  A6851  A6851  A6851  EXP CHEM  A-Aci T chemical to the chemical | NO. SACOF CEMER  350 2000 1050  CORD OF PLOSIVE O MICAL USI 4 155 4 155 RECORD S or devia  | PLUGS Leng Size SHOOTING R QUAN R 1000 R 100 | THOD USE  ONCO ONCO ONCO AND AD  THOM A | HEM DA 3 Sade, ED ON                                     | MU ERS ICAL T  52 52 52 EPECIA submit eet, and                             | DEFORM 12, 12, 12, 12, 12, 12, 12, 12, 12, 12,                                     | Depth Sement  TH SHOT FREATED  479-12,4 477-12,4 477-12,4   | DEPTH CI    | attach here   |
| Heaving Adapters  SIZE  Results  1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -   | plug- plug- s-Mate stem or ools wer oroducir duction              | Mater raial   | A4851  A4851  A4851  A4851  AA4  BAA4  BAA4  3-AA4  r chemical t  in 91 hr  in 7 hr  special tests  from  from  | NO. SAGOF CEME  350  2000  1050  CORD OF  PLOSIVE O  MICAL USI  4 155  A 155  RECORD  S or devia   | PLUGS Leng Size SHOOTING R QUAN R 1000 R 1000 R 1000 R 152 bb1 F 152 bb1 F 16eet to 12 feet to 12 feet to 19 19  | THOD USE  ONCO ONCO ONCO ONCO ONCO ONCO ONCO ON  | HEM DA 3-26 6-3- ND S adde, ED ON                        | MU  GRS  ICAL T  1-52  52  52  SPECIA: submit  eet, and fluid o            | DEFORMATION OF Which   | Depth Sement  THEATED  A79-12,4  A77-12,4  A77-12,4   | DEPTH CI    | attach here   |
| Heaving Adapters  SIZE  Results  1 -   | plug- plug- s-Mate stem or ools wer oroducir duction              | -Mater raial - other re used e used of the                | A4851  A4851  2,9951  ial  REC  EXP CHEM  3-Aci 3-Aci 1 - Aci | NO. SACOF CEMER  350  2000  1050  CORD OF  PLOSIVE OF  MICAL USI  4 155  Featment  8 2  A 156  RECORD  S or devia  | PLUGS Leng Size SHOOTING RED QUAN RED QUAN RED GUAN RED G | THOD USE  ONCO  ONCO  AND AD.  THITY  SAL.  STEM A  S WERE M  OOLS USE  ATA3!  CODUCTION  CODUCTION | HEM DA S-26-3- ND S aade, ED ON                          | MU  GRS  ICAL T  152  152  152  152  152  152  152  15                     | DEFORE  12, 12, 12, 12, 12, 14, 16, 17, 18, 19, 11, 11, 11, 11, 11, 11, 11, 11, 11 | Depth Sement  THEATED  A79-12,4  A77-12,4  A77-12,4   | DEPTH CI    | attach here   |
| Heaving Adapters  SIZE  Results  1 -   | plug- plug- s- mate stem or ools wer oroducir duction cell, cu.   | -Mater raial - other re used e used of the ft. per        | A6851  A6851  L2,9951  ial.  REC  EXP CHEM  2-Aci 3-Aci r chemical r chemical r special tests  from from from from from water;  | NO. SACOF CEMER  350  2000  1050  CORD OF  PLOSIVE OF  MICAL USI  4 155  Featment  8 2  A 156  RECORD  S or devia  | PLUGS Leng Size SHOOTING RED QUAN RED QUAN RED GUAN RED G | THOD USE  GIGO  GIGO  CHGO  CH | HEM DA S-26-3- ND S aade, ED ON                          | MU  GRS  ICAL T  152  152  152  152  152  152  152  15                     | DEFORE  12, 12, 12, 12, 12, 14, 16, 17, 18, 19, 11, 11, 11, 11, 11, 11, 11, 11, 11 | Depth Sement  THEATED  A79-12,4  A77-12,4  A77-12,4   | DEPTH CI    | attach here   |
| Heaving Adapters  SIZE  Results  1-6  Graph to proper to | plug- plug- stem or  ools wer  oroducir duction cell, cu. essure, | -Mater rial - other re used e used of the ft. per lbs. pe | A4851  2,9951  ial.  REC  EXP CHEM  3-Aci 3-Aci r chemical t in 91 hr in 7 hr  special tests  from from from  from  4 water; 24 hours or sq. in.  | NO. SACOF CEMER  350  2000  1050  1050  A 155 H  | PLUGS Leng Size SHOOTING RED QUAN RED QUAN RED 5000 R 15,000 R 15, | THOD USE  GIGO GIGO GIGO GIGO GIGO GIGO GIGO GI  | HEM DA Sade, CON Graons g                                | MU  ERS  ICAL T  52  52  SPECIA submit  eet, and eet, and eat, and asoline | DEFOR 12, 12, 12, 12, 12, 12, 12, 12, 12, 12,                                      | Depth Sement TH SHOT TREATED  479-12; 477-12; | DEPTH CI    | attach here   |
| Heaving Adapters  SIZE  Results  3-2  If drill-s  Rotary t  Cable to  Put to p  The procedure of gas w  Rock procedure of gas w  | plug- s-Mate stem or ools wer oroducir duction cell, cu. essure,  | other re used e used ft. per lbs. pe                      | A4851  2,9951  ial REC  EXP CHEM  3-Aci 3-Aci r chemical t in 91 hr special tests from from from from grand at 4 h % water; 24 hours er sq. in.   | NO. SACOF CEMER  350  2000  1050  1050  A 155 H  | PLUGS Leng Size SHOOTING RED QUAN RED QUAN RED 5000 RE 5000 RE 5000 RE 15,000 RE 15,00 | THOD USE  GIGO GIGO GIGO GIGO GIGO GIGO GIGO GI  | HEM DA Sade, CED Gradons g                               | MU  ERS  ICAL T  52  52  SPECIA submit  eet, and eet, and asoline          | DEFOR 12, 12, 12, 12, 12, 12, 12, 12, 12, 12,                                      | Depth Sement  TH SHOT FREATED  479-12,4 477-12,4 477-12,4 477-12,4 477-12,4 477-12,4  | DEPTH CI    | LEANED OU     |
| Heaving Adapters  SIZE  Results  3-2  If drill-s  Rotary t  Cable to  Put to p  The procedure of gas w  Rock procedure of gas w  | plug- s-Mate stem or ools wer oroducir duction cell, cu. essure,  | other re used e used ft. per lbs. pe                      | A4851  2,9951  ial REC  EXP CHEM  3-Aci 3-Aci r chemical t in 91 hr special tests from from from from grand at 4 h % water; 24 hours er sq. in.   | NO. SACOF CEMER  350  2000  1050  1050  A 155 H  | PLUGS Leng Size SHOOTING RED QUAN RED QUAN RED 5000 RE 5000 RE 5000 RE 15,000 RE 15,00 | THOD USE  GIGO GIGO GIGO GIGO GIGO GIGO GIGO GI  | HEM DA Sade, CED Gradons g                               | MU  ERS  ICAL T  52  52  SPECIA submit  eet, and eet, and asoline          | DEFOR 12, 12, 12, 12, 12, 12, 12, 12, 12, 12,                                      | Depth Sement  TH SHOT FREATED  479-12,4 477-12,4 477-12,4 477-12,4 477-12,4 477-12,4  | DEPTH CI    | LEANED OU     |
| Heaving Adapters  SIZE  Results  Cable to proper to prop | plug- s-Mate stem or ools wer oroducir duction cell, cu. essure,  | Mater rial other re used e used ft. per lbs. pe           | A4851  2,9951  ial REC  RED CHEM  3-Aci 3-Aci r chemical tests  in 91 hr  special tests  from from from from graft  24 hours r sq. in.  | NO. SAM OF CEME  350  2000  1050  CORD OF  PLOSIVE O MICAL USI  4 155  Featment  RECORD  s or devia  | PLUGS Leng Size SHOOTING RED QUAN RED QUAN RED 5000 RE 5000 RE 5000 RE 15,000 RE 15,00 | THOD USE  ONCO ONCO ONCO AND AD  th  G OR CI  TITY  SAL  SAL  SAL  SAL  SAL  SAL  SAL  SA  | HEM DA Selection APTI APTI APTI APTI APTI APTI APTI APTI | MU  GRS  ICAL T  152  152  152  152  152  152  152  15                     | DEFOR 12, 12, 12, 12, 12, 12, 12, 12, 12, 12,                                      | Depth Sement  TH SHOT FREATED  479-12,4 477-12,4 477-12,4 477-12,4 477-12,4 477-12,4  | DEPTH CI    | LEANED OU     |

Hobbs How Hariso

Position Ass Area Pred. Supt.

Representing Gulf Oil Corporation Company or Operator.

Address \_Bex 2167, Hobbs, New Mexico

## FORMATION RECORD

| Surface Sand and Red Bed  1067 1350 1414 1737 1478 Red Bed; analyrite and Shells 1678 2309 1684 2309 2084 2305 244 2305 244 2305 2472 272 272 272 272 272 272 272 272 27   | FROM   | то      | THICKNESS<br>IN FEET | FORMATION                   |
|--|--------|---------|----------------------|-----------------------------|
| 366 1087 1330 1341 1377 1878 Red Bed and Shells Red Bed, anhydrite and Shells Red Bed, anhydrite and Sand Red Bed, anhydrite and Sand Red Bed anhydrite and Sat Anhydrite and Sat Anhydrite and Gyp Anhydrite and Gyp Anhydrite and Gyp Anhydrite and Gyp Anhydrite and Red Rock Anhydrite and Red Rock Anhydrite and Red Rock Anhydrite and Sand Anhydrite and Line Line Anh |        |         |                      |                             |
| 1067 1330 Red Bed and Shells Red Bed, Anhydrite and Shells 1777 Red Bed, Anhydrite and Sand Red Bed, Anhydrite and Sand Red Bed and Anhydrite Red Bed and Anhydrite Red Bed and Anhydrite Red Red Red Red Anhydrite Red Red Red Red Anhydrite Red  | 01     |         |                      | Surface Sand and Rock       |
| 1330 1A14 1777 1878 Red Bed, Anhydrite and Shells Red Bed, Anhydrite and Sand Red Bed, Anhydrite and Sand Red Bed and Anhydrite Red Red Red and Anhydrite Red  |        | 366     |                      | Sand Rock and Red Bed       |
| 1414 1737 1678 1678 1678 1678 1686 1694 1695 1696 1696 1697 1697 1697 1697 1697 1697   |        | 1087    |                      | Red Bed                     |
| 1414 1737 1678 1678 1678 1678 1686 1694 1695 1696 1696 1697 1697 1697 1697 1697 1697   |        | 1330    |                      | Red Bed and Shells          |
| left left led and Anhydrite and Sand left led Bed and Anhydrite and Salt 3305 3493 Anhydrite and Salt Streaks Anhydrite and Salt Streaks Anhydrite and Salt Streaks Anhydrite and Gyp Anhydrite and Ime Anhydrite anhydrit |        |         |                      |                             |
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| 3084. Anhydrite and Salt Streaks Anhydrite and Salt Streaks Anhydrite and Salt Streaks Anhydrite and Gyp Anhydrite and Red Rock Anhydrite and Red Rock Anhydrite and Red Rock Anhydrite and Idne Anhydrite and I |        |         |                      |                             |
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| Lime 4533 4554 Ahydrite and Lime Ahydrite and Lime Ahydrite and Lime Lime 6043 Lime 6043 Lime 6355 Lime and Sand Lime 6369 Lime 6440 Lime 6525 Sandy Lime 6525 Sandy Lime 6525 Sandy Lime 6525 Sandy Lime 110,030 Lime 10,030 Lime and Chert Lime 10,030 Lime and Shale Lime 10,990 Lime and Shale Lime 10,995 Lime and Shale Lime 10,995 Lime and Shale Lime 10,958 Lime and Shale Lime 10,958 Lime and Shale   |        |         |                      |                             |
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| Anhydrite and Lime  1 Lime  6043  6148  6148  6355  Lime and Sand  Lime  6498  Lime  6525  Sandy Lime  6525  Sandy Lime  1 Lime  9059  9555  Lime  9059  Sandy Lime  Lime  10,030  Lime and Chert  10,090  Lime and Shale  10,995  Lime and Shale  10,958  Lime and Shale  10,958  Lime and Shale  Lime and Shale  11,848  12,206  Lime and Shale  |        |         |                      |                             |
| 1   1   1   1   1   1   1   1   1   1  |        |         |                      |                             |
| Lime and Sand   Lime    |        |         |                      |                             |
| 6148 6355 6369 Lime and Sand Lime 6440 6440 Lime and Sand Lime 6525 Sandy Lime Lime 9059 9555 Lime 9572 9786 Lime and Chert Lime 10,030 Lime and Shale 10,893 Lime and Shale Lime 10,905 Lime and Shale Lime 10,905 Lime and Shale Lime 10,958 Lime and Shale Lime, Shale and Chert Lime and Shale  |        |         |                      |                             |
| Lime and Sand Lime Lime Lime and Sand Lime Lime 6525 9046 9059 9555 9572 1ime 10,030 10,090 10,610 10,893 10,905 10,905 10,905 10,936 10,958 10,958 10,958 10,958 10,958 10,958 10,958 10,958 10,958 10,958 10,958 11,843 11,848 12,206 12,225 12,743 Lime and Shale Lime Lime and Chert Lime Lime and Shale Lime And Shale Lime Lime and Shale   |        |         |                      |                             |
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| Lime and Sand   Lime   |        |         |                      |                             |
| 6498   Lime   Sandy Lime   |        |         |                      | Lime and Sand               |
| Sandy Lime   Lime     |        | 1       |                      | Line                        |
| 9046 9059 9555 9572 Lime 10,030 10,030 Lime and Chert 10,610 10,610 10,893 Lime and Shale 10,905 10,936 Lime and Shale 10,946 10,958 Lime and Shale 10,955 Lime and Shale 10,955 Lime and Shale 11,843 Lime and Shale 12,206 Lime and Shale  |        | 1 2 1   |                      |                             |
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| 10,030   Lime and Chert  |        |         |                      |                             |
| 10,090   Lime and Shale     10,893   Lime and Shale     10,905   Lime and Shale     10,936   Lime and Shale     10,958   Lime and Shale     10,965   Lime and Shale     11,843   Lime and Shale     12,206   Lime and Shale     12,225   Lime and Shale     12,743   Lime and Shale     12,066   Lime and Shale     12,067   Lime and Shale     12,068   Lime and Shale     13,068   Lime and Shale     14,068   Lime and Shale     15,068   Lime and Shale     16,070   Lime and Shale     17,070   Lime and Shale     18,070   Lime and Shale     19,070   Lime and Shale     10,090   Lime and Shale     10,000   Lime and Shale        |        |         |                      |                             |
| 19,610   Lime    |        |         |                      | l .                         |
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| 12,206<br>12,225<br>12,743   Lime and Shale<br>Lime and Shale  |        | 11,848  |                      |                             |
| 12,225<br>12,743 Lime and Shale  | r<br>I |         |                      | Lime and Shale              |
| 12,743 Lime and Shale  | •      |         |                      |                             |
|  |        |         |                      | Line and Shale              |
| 12.4%1 PRTD  |        |         |                      |                             |
| · · · · · · · · · · · · · · · · · · ·  |        | 12,5501 | PBTD                 |                             |