| -   |                               |  |               |            |              |
|---|-------------------------------|--|---------------|------------|--------------|
| Form SC 193<br>N.                           | NEV                           | V MEXICO STA                                 | TE LAND OF    | FICE       |              |
|   |                               |  | NEW MEXICO    | 1102       |              |
|   |                               | оли и <u>-</u> , .                           |               |            |              |
|   |                               |  |               |            |              |
|   | DEPAR'                        | TMENT OF TH                                  | IE STATE GEO  | OLOGIST    |              |
|   |                               |  |               |            |              |
|   |                               | WELL F                                       | RECORD        |            |              |
|   |                               | Geologist, Santa Fe, I                       |               |            | ;            |
| AREA 640 ACRES                              |                               | mpletion of well. Ind<br>lowing it with (?). |               |            |              |
| LOCATE WELL CORRECTLY<br>Company Pool Oil & | Gas Co                        | Addream                                      | Carlabad      | 1. New Mex | 100          |
| Send correspondence to                      | _                             |  |               |            |              |
| Grandi                                      |                               |  |               |            | •            |
| <u>в. 27</u> , N. M. P. M.                  |                               |  |               |            |              |
| If State land the oil and gas le            |                               |  |               |            | •            |
| If patented land the owner is               |                               |  |               | Carlsbad,  | <u>N M</u>   |
| The lessee is Pool (                        |                               |  |               |            |              |
| If not state or patented land, give         |                               |  |               |            |              |
|   | 5 <u>, 1932</u> <sub>19</sub> |  |               |            | <u>193</u> 2 |
| Name of drilling contractor                 | Ed Byrant                     | & rd Severso                                 | n, Address_Ca | arlsbad, N | ew Mex.      |
| Elevation above sea level at top            | of casing                     | fee  | ·t.           |            |              |
| The information given is to be k            |                               |  |               | 9          |              |
|   |                               |  |               |            |              |

### OIL SANDS OR ZONES

| No. | 1, | from | to | No. | 4, | from | to |
|-----|----|------|----|-----|----|------|----|
| No. | 2, | from | to | No. | 5, | from | to |
| No. | 3, | from | to | No. | 6, | from | to |

### IMPORTANT WATER SANDS

| No. | 1, | from at 381  | to | No. | 3, | from | to |
|-----|----|--------------|----|-----|----|------|----|
| No. | 2, | from at 4041 | to | No. | 4, | from | to |

# CASING RECORD

.

|      | WEIGHT             | THREADS MAKE AMOUNT KIND O |      | KIND OF | CUT & PULLED | PERFOR | ATED |    |         |
|------|--------------------|----------------------------|------|---------|--------------|--------|------|----|---------|
| SIZE | WEIGHT<br>PER FOOT | THREADS<br>PER INCH        | MARE | AMOUNI  | SHOE         | FROM   | FROM | TO | PURPOSE |
| 10"  |                    |                            |      | 180     |              | 180    |      |    |         |
| 81   |                    |                            |      | 433     |              | 435    |      |    |         |
|      |                    |                            |      |         |              |        |      |    |         |
|      |                    |                            |      |         |              |        | ·    |    |         |
|      | ·                  |                            |      |         |              |        |      |    |         |
|      |                    |                            |      |         |              |        |      |    |         |
|      |                    | ļ                          | i    |         | ł            |        |      |    |         |

## MUDDING AND CEMENTING RECORD

| SIZE | where set | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY - | AROUNT OF HUD DREAM |  |  |  |  |  |  |
|------|-----------|---------------------|-------------|---------------|---------------------|--|--|--|--|--|--|
|      |           |                     |             |               |                     |  |  |  |  |  |  |
|      |           |                     |             |               |                     |  |  |  |  |  |  |
|      |           |                     | · · · · ·   |               |                     |  |  |  |  |  |  |
|      |           |                     |             |               |                     |  |  |  |  |  |  |

## PLUGS AND ADAPTERS

| Heaving  | plug—Mat  | erialLength | Depth | Set |
|----------|-----------|-------------|-------|-----|
|          |           |             |       | ۵   |
| Adapters | -Material | Size        |       |     |

## SHOOTING RECORD

| SIZE | SHELL USED | EXPLOSIVE USED | QUANTITY | DATE | DEPTH SHOT | DEPTH CLEANED OUT |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            | <u> </u>          |
|      |            |                |          |      |            |                   |

### TOOLS USED

| Rotary to | ols wer | e used | from  |     |      | feet | to |     | f  | eet, | and | from |     |   | feet | to |     |   | feet |
|-----------|---------|--------|-------|-----|------|------|----|-----|----|------|-----|------|-----|---|------|----|-----|---|------|
| Cable too | is were | used   | from. | sur | face | fæt  | to | _50 | 5f | eet, | and | from | 139 | 2 | feet | to | 175 | 7 | feet |
| core      | d fr    | om 8   | 505   | to  | 1392 |      |    |     |    |      |     |      |     |   |      |    |     |   |      |

### PRODUCTION

| Put to producing         |   |
|--------------------------|---|
| The production of the f  | irst 24 hours wasbarrels of fluid of which% was oil;% |
| emulsion;% w             | ater; and% sediment. Gravity, Be                      |
| If gas well, cu. ft. per | 24 hoursGallons gasoline per 1,000 cu. ft. of gas     |
| Rock pressure, lbs. per  | sq. in  |

#### **EMPLOYES**

| <u>Tom</u> | Ernest,    | Driller | ······ | Driller |
|------------|------------|---------|--------|---------|
| Tuck       | K Hellery, | Driller | ·      | Driller |

#### FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

| Subsci   | ribed and swo  | rn to before me | this 8th       | Name         | Scott Etter |                      |
|----------|----------------|-----------------|----------------|--------------|-------------|----------------------|
| day of   |                | May             | , 1933         | Position     | Secretary   |                      |
| SEAL     |                | -               |                | Representing | Pool Oil    | & Gas Co             |
| <b></b>  | Monica         | Twomey          | Notary Public. |              |             | Company or Operator. |
| My commi | ssion expires_ | 11-28-          | -35            |              |             |                      |

# FORMATION RECORD

| 765478137813786Banded anhydrite782378687834Banded anhydrite and black shale 50/50807680078076Banded anhydrite and black shale 50/50807680078076Banded anhydrite and black shale 50/508076801780850076803500768044804380410804108041080538041080538041080538041080538041080538041080538041080538041080538041080538041080538041080510805108051080510805118051180511805118051180511805118051180511805118051180511805118051180511805 <th>FROM</th> <th>то</th> <th>THICKNESS<br/>IN FEET</th> <th>FORMATION</th>   | FROM              | то        | THICKNESS<br>IN FEET | FORMATION   |
|--|-------------------|-----------|----------------------|---|
| 729: 3 798: 4 798: 4   798: 5 798: 4 Banded anhydrite and hite shale 50/50   796: 5 807: 6 Banded anhydrite and black shale 50/50   807: 6 803: 5 Black shale 955, shite anhydrite 55   807: 6 803: 5 Black shale 955, shite anhydrite 55   808: 5 882: 5 Banded white anhydrite and black shale 56: 5   864: 5 Banded groy and white anhydrite 55 Banded groy and white anhydrite 56   865: 5 904: 10° Intergrowth white and groy anhydrite 56   904: 10° 1025: 7 Banded groy and white anhydrite 56   1002: 7 1026: 9 Intergrowth groy and white anhydrite 50/40   1012: 7 1028: 9 1051: 6 Banded groy and white anhydrite 60/40   1102: 7 11026: 7 Intergrowth troy and white anhydrite 60/40   1114: 114: 6 1126: 7 Banded groy anhydrite 105 Banded groy anhydrite 105   1102: 7 1126: 7 Intergrowth troy and white anhydrite 60/40   1114: 1126: 7 1126: 7 Banded groy anhydrite 105 Banded groy anhydrite 105   1126: 7 1126: 7 Intergrowth troy anhydrite 105 Banded groy anhydrite 105   1  | 17                |           |                      |   |
| 7999979914Banada anhydrite and hite shale 50/5090079004100290710027900790041002790710027900790059007100279007100279004100279071002790079005902990710027100279005100279007100279007900590071002710027900790059007100271002790079005900710027100279007900590071002710027900790059007100271002790079005900710027100279007900590071002790079007900590071002790079007900790071002790079007900790071002790079007900790071002790079007900790071002790079007900790071002790079   |                   |           |                      | White anhydrite   |
| 79614900580613007680613007680613007680613007680613880611001110217110217110217110211110217110211110217110211110217110211110211110227111257111257111257111257111257111257111257111257112511125 <td></td> <td></td> <td></td> <td>11 17</td>  |                   |           |                      | 11 17   |
| Book 5"Book 5"Book 5"Biack ansists of 208076 6"8087 6"Biack ansists 05%, anite anhydrite 5%8087 6"8087 6"Biack ansists 05%, anite anhydrite 5%8087 6"8617 3"Banded stringers of black8087 6"8667 3Banded write anhydrite with stringers of black8087 6"8067 6"Banded grey and white anhydrite9047 10"10035 9"Banded grey and white anhydrite9047 10"10037 9"Banded grey and white anhydrite9057 7"1025 7"Banded grey and white anhydrite1038 9"1031 6"Banded grey and white anhydrite1039 9"1025 7"Banded grey and white anhydrite1031 1027 7"11027 7"Intergrowth trey and white anhydrite1032 7"11027 7"Intergrowth trey and white anhydrite1031 1027 7"1125 10"Biack shale 90%, white halite 10%1125 10"11287 2"Iaminted grey anhydrite1125 10"11287 2"Iaminted grey anhydrite1125 10"11287 2"Iaminted grey anhydrite1126 11"1180 11"Iaminted grey anhydrite1180 11"1181 5"Iaminted grey anhydrite1180 11"1181 5"Iaminted grey anhydrite1180 11"1181 5"Iaminted grey anhydrite11807 111183 5"<   |                   | -         |                      | Banded anhydrite and ahite shale 50/50                      |
| 2006 38007 6Black shale78077 68009 6Black shaleShale8087 6801 3Shale8314 378564 44Shale8564 448565 3Bended white anhydrite and black shale8564 478565 38627904 10"1003 971012 7"1028 97Intergrowth white anhydrite1021 771028 971051 671053 '1051 671053 '1053 1001"1051 7Banded grey and white anhydrite1051 1011122 71102 77Banded grey and white anhydrite1053 1001"1102 771125 71102 77Banded grey and white anhydrite1102 711125 71102 711125 71125 77Black shale 90%, white hallte 10%1125 771125 71125 77Black shale 90%, white hallte 10%1125 771125 71125 77Black shale 90%, white hallte 10%1125 771125 71125 771125 71125 771125 71125 771125 71125 771125 71125 771125 10°1125 771125 71126 1121120 111126 120 111120 111126 1211120 111126 1211120 111126 1211120 111127 1128 10°1128 10°1128 1121120 111129 121120 111129 121120 111129 12   |                   |           |                      | Banded anhydrite and black shale 80/20                      |
| 606*67631*37White analydrike with stringers of black<br>shale631*37654*47634*47565*635*382904 10°1003*91005 9°1003*91005 9°1003*91006 9°1003*91008 9°1003*91008 9°1012*71028 9°102*1028 9°1068 9°103*1102*7103*1102*7103*1102*7103*1102*7110*1102*7110*1102*7110*1102*7110*1102*7110*1102*7110*1102*7111*111*112*7112*1128112* <t< td=""><td></td><td>- 11</td><td></td><td>17 17 17 17 17</td></t<>   |                   | - 11      |                      | 17 17 17 17 17  |
| Soli 3"Soli 4"Soli 3"Soli 4"Soli 4"Integrowth white and grey and white and ydriteSoli 4"Integrowth grey and white and ydriteSoli 4"Integrowth grey and white and ydriteSoli 6"Integrowth grey and ydriteSoli 6"Integrowth grey and ydriteSoli 6"Integrey of kisseriteSoli 6  |                   |           |                      | Black ahsle 95%, ahite anhydrite 5%                         |
| 8313"6544"854455Banded white anhydrite and black shale865906410"9044100"1005904510011005904510127"10259"106110359"106110369"106110371037Banded grey and white anhydrite10381037103710399"106110311037Banded grey and white anhydrite10321101"""""""""""""""""""""""""""""""""  | 808* 6*           | 831* 3"   |                      | White anhydrite with stringers of black                     |
| 856: 47962: "Banded white anhydrite and black shale856: 57962: 10"Intergrowth white anhydrite904: 10"1003: 9"Intergrowth white anhydrite1003: 9"1012: 7"Banded grey and white anhydrite1024: 9"1051: 6"Banded grey and white anhydrite1025: 100: 100: 100: 100: 100: 100: 100: 10  | 831' 3"           | 854 4"    |                      |   |
| SS6: 3"SS6: 4SS6: 5SS7: 904:10"Intergrowth white and gray anywrite904:10"1003:9"1012: 7"Banded gray and white anydrite1021: 7"Intergrowth write anydrite1022: 7"1026: 6"103: 9"1055:103: 100: 100: 100: 100: 100: 100: 100:  |                   |           |                      | Banded white aphydrite and block shale                      |
| 882*904 10"Intergrowth white and grey anhydrite1003*9"1028* 9"1028*9"Intergrowth grey and white anhydrite1028*9"Intergrowth grey and white anhydrite1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1031*1028*9"1141*1144*6"1142*1144*6"1142*1144*6"1142*1144*6"1142*1144*6"1142*1142*6"1142*1142*6"1142*1142*6"1140*1142*6"1140*1142*6"1140*1143*5"1140*1143*5"1140*1143*5"1140*1144*1140*1145*1140*1145*1140*1145*1140*1145*1140*1145*1140*1144*1140*1145*1140*1145*1140*1145*1140*1145*1140*1145*<  |                   |           |                      |   |
| 904:10"1003:9"1012:9"1003:9"1021 7"Banded grey and white anhydrite1021:9"1025:9"1051:6"1021:9"1025:9"Banded grey and white anhydrite1021:0"1025:9"Banded grey and white anhydrite1021:0"1025:7"Banded grey and white anhydrite1027:7"1101:1"Banded grey and white anhydrite1027:7"1125:7"Banded grey and white anhydrite1125:7"1125:10"Banded grey anhydrite1125:7"1125:10"Bande shale 9%, white halite 5%1125:10"1126:2"Banded grey anhydrite1126:11"1126:2"Banded grey anhydrite1126:11"1126:2"Iaminated grey anhydrite1126:11"1180:11"Eaminated grey anhydrite1126:11"1180:5"Iaminated grey anhydrite1127:1128:2"11226:5"Iaminated grey anhydrite1128:2"11226:5"Iaminated grey anhydrite1129:3"11226:6"Rotten white halite, bands of black shale1229:3"1226:6"Rotten white halite, bands of black shale1229:3"1226:6"Rotten white halite1229:12:2"1327:1"""""""""""""""""""""""""""""""""   | 882*              |           |                      |   |
| Lotter for the set of the se | 904* 10*          |           |                      |   |
| 1028971028' 971051' 6''10510''1053'1051'1053'1101'1102'7''1102'7''1114'1102'7''1114'1102'7''1114'1114'1114'1114' 6''1125'7''1125' 7''1125'7'''1125' 7'''1125'1125' 7'''1125' 7''''1125'1125' 10''1126' 2'''''1125'1126' 2'''''1126'''''''''''''''''''''''''''''''''''  | 1003* 9*          | 1012* 7"  |                      | Banded grey and white anhydrite                             |
| 108299"1051'6"1051'6"6"8ande grey and white anhydrite1051'1101'"""""""""""""""""""""""""""""""""   | 1012' 7"          | 1028* 97  |                      |   |
| 103.*101.*102.*101.*1101.*1102.*7"" " " " " " " " " " " " " " " " " " "  | 1028' 9"          | 1051' 6"  |                      |   |
| 1003'1101'" " " " " " " " " " " " " " " " " " "  |                   | 1053*     |                      | Banded grey and white anhydrite                             |
| 1102: 7"1114:Intergrowth trey and white anhydrite 60/401114: 6"Black shale 90%, shite halite 10%1114: 6"Black shale 90%, shite halite 10%1125: 7"1125' 10"1125: 10"Black shale 95%, white halite 5%1125: 10"1128: 2"1126: 10"Black shale 95%, white halite 5%1126: 10"1128: 2"1126: 10"Black shale 95%, white halite 5%1126: 10"1128: 2"1180' 1"Immated grey anhydrite1180' 1"Internet dgrey anhydrite1180' 11"Internet dgrey anhydrite1180' 122: 10"1253' 9"1253' 9"1256' 6"1253' 9"1256' 6"1255' 9"1256' 6"1255' 1289'Halite1252' 1327'""" " " " " " " " " " " " " " " " " "   | •                 | 1101*     |                      |   |
| 1114'1114'6"1114'1114'1114'6"1114'1114'11125'7"1125'7"1125'1125'7"1125'1125'1125'10"1125'1255'1125'1255'1255'1125'1255'1255'1125'1255'1125'1255'1125'1255'1125'1255'1130'1352'1352'1351'1352'1351'1352'1351'1352'1351'1355'1355'1355'1135'1355'1135'1355'1135'1355'1135'1355'1135'1355'1135'1355'1136'1355'1136'1355'1136'1355'1136'135   |                   | 1102' 7"  |                      | т <del>п</del> п п  |
| 1114'1114'6"Black shale 90%, shite halite log1114'1125'7"Rotten white halite with inclusions of black shale s1125'7"1125'10"1125'1125'10"Black shale 95%, white halite 5%1125'1128'2"Laminated grey anhydrite1128'2"1180'1"1128'2"Iaminated grey anhydrite1180'1"1181'5"1180'11"1181'5"1180'11"1181'5"1180'11"1181'5"1180'11"1181'5"1180'11"1181'5"1180'11"1181'5"1180'11"1181'5"1180'11"1181'5"1180'11"1181'5"1180'11"1181'5"1180'11"1181'5"1180'119'6"1182'1193'5"1283'8"1193'5"1283'8"1289'1253'9"1255'1280'1255'6"1275'1280'126'6"1275'1280'126'6"1371'1302'137'881302'137'81362'1361'6"1362'1361'6"1362'1361'6"1376'1382'8138113931415 </td <td></td> <td>1114'</td> <td></td> <td>Intergrowth trey and white anhydrite 60/40</td>  |                   | 1114'     |                      | Intergrowth trey and white anhydrite 60/40                  |
| 1114'6''1125' ?"Rotten white halite with inclusions of black shales1125' ?"1125' 10''1128' 2''Black shale 95%, white halite 5%1125' 10''1128' 2''Laminated grey anlydrite1128' 2''1180' 1''Iaminated grey anlydrite1180' 1''1180' 11''Laminated grey anlydrite1180' 1''1192' 10''Rotten white halite, bands of black shale1181' 5''1192' 10''Rotten white halite, bands of black shale1182' 10''1192' 10''Rotten white halite, bands of black shale1182' 10''1192' 5''I228' 8''1128' 2''1253' 9''Rotten white halite, bands of black shale1286' 8''1229' 3''I256' 6''1285' 9''1256' 6''Anhydrite1286' 6''1275'Rotten white halite, bands of sulphate(glauberite, kisserite)1287'1362''''''''''''''''''''''''''''''''''   | 1114'             | 1114' 6"  |                      | Black shale 90%, ahite halite 10%                           |
| 1125' 7"1125' 10"Kisserite1125' 10"1128' 2"Lack shale 95%, white halite 5%1125' 2"1180' 1"Rotten white halite 1" to 3" bands black shale1120' 11"1180' 1"Rotten white halite 1" to 3" bands black shale1180' 11"1180' 11"Laminated grey anhydrite1180' 11"1180' 11"Laminated grey anhydrite1180' 11"1180' 11"Laminated grey anhydrite1180' 11"1180' 11"Laminated grey anhydrite1180' 11"1193' 5"Laminated grey anhydrite1192' 10"1193' 5"Rotten white halite, bands of black shale1193' 5"1228' 8"1229' 3"1289' 5"1285' 9"Rotten white halite, bands of black shale, occasional1289' 5"1256' 6"Anhydrite1289' 11256' 6"Anhydrite1289' 11302'Kisserite)1302' 1327'" " " " " " " " " " " " "1360' 4"1368' 8"1392' 1327'" " " " " " " " " " " " " " " " " " "   | 11 <b>14' 6"</b>  | 1125* 7"  |                      | Rotten white halite with inclusions of black shale and      |
| 1125' 7"1125' 10"Black shale 95%, white halite 5%1128' 2"1180' 1"Laminated grey anhydrite1128' 2"1180' 1"Coccasional stringers of kisserite1180' 11"1181' 5"Laminated grey anhydrite1180' 11"1181' 5"Laminated grey anhydrite1180' 11"1181' 5"Laminated grey anhydrite1180' 11"1181' 5"Laminated grey anhydrite1181' 5"1192' 10"Rotten white halite, bands of black shale1182' 8"1228' 6"Rotten white halite, bands of black shale1182' 10"1193' 5"I228' 6"1193' 5"1228' 6"Rotten white halite, bands of black shale1229' 3"1256' 6"Anhydrite1253' 9"1256' 6"Anhydrite1256' 6"1275'Rotten white halite1257'1289'I302'1302'Milky halite, with bunds of sulphate(gleuberite, kisserite)1302'1352'" " " " " " " " " " " " " " " " " " "   |                   |           |                      | kisserite   |
| 1128' 10"1128' 2"Laminated grey anhydrite1180' 1"1180' 1"Rotten white halite 1" to 3" bands black shale1180' 1"1180' 11"Laminated grey anhydrite1180' 11"1180' 11"Laminated grey anhydrite1180' 11"1180' 11"Laminated grey anhydrite1180' 11"1180' 11"Laminated grey anhydrite1180' 11"1180' 11"Laminated grey anhydrite1180' 11"1193' 5"Laminated grey anhydrite1180' 11"1193' 5"Laminated grey anhydrite1180' 12' 10"1193' 5"Rotten white halite, bands of black shale1182' 10"1193' 5"Laminated grey anhydrite1228' 5"1253' 9"1256' 6"1228' 5"1256' 6"Anhydrite1253' 9"1256' 6"Anhydrite1254' 1289'1302'Kisserice)1302'1327'" " " " " " " " " " " " "1352'1361' 6"White halit:1362'1352'35'1361' 6"Banded anhydrite1364' 6"1376' 41364' 6"1376' 41415Hard grey Sand1415Hard grey Sand143514151434Hard grey sand143514514361465143914651434Hard grey sand143515691578Salt, bard white156615781566Salt, sort chrystal156615761566Salt, bard chrystal1568 </td <td>'1<b>125'</b> 7"</td> <td>1125' 10"</td> <td></td> <td></td>  | '1 <b>125'</b> 7" | 1125' 10" |                      |   |
| 11282"1180'1"Rotten white habite 1" to 3" bands black shale<br>occasional stringers of kisserite1180'11"1181'5"Laminated grey anhydrite1181'5"1192'10"Rotten white halite, bands of black shale1182'10"1193'5"Laminated grey anhydrite1192'10"1193'5"Laminated grey anhydrite1192'10"1193'5"Laminated grey anhydrite1192'10"1193'5"Laminated grey anhydrite11228'8"1228'8"Rotten white halite, bands of black shale1228'8"1253'9"Rotten white halite, bands of black shale, occasional<br>stringers of kisserite1228'8"1256'6"Anhydrite1256'1256'Rotten white halite112'1275'1289'Halite1289'1302'1327'" " " " " " " "1302'1327'" " " " " " " " " " "1362'1361'6"1362'1361'6"1363'8"1378'1393'1413Hard grey Sand14151434Hard grey Sand14151434Hard grey Sand14391465Anhydrite, hard white13931413Hard grey Sand14341459Anhydrite, hard white15341566Salt, soft chrystal15761578Salt, soft chrystal15761578Salt, hard chrystal1   | 1125' 10"         | 1128' 2"  |                      | Laminated grev anhydrite                                    |
| 1180' 1"1180' 11"1180' 11"1181' 5"1180' 11"1181' 5"1192' 10"1193' 5"1192' 10"1193' 5"1193' 5"1228' 6"1193' 5"1229' 3"1229' 3"1253' 9"1229' 3"1253' 9"1256' 6"1275'1256' 6"275'126' 10'1352'1256' 6"275'126' 10'1352'1302'1302'1302'1352'1361' 6"1368' 8"1376' 4''1393'1376' 4''1393'1373' 41289' 16"139314151415143414351434143514341435143414351435156615341578'156415661578156615781566157215691564156915781569156415691578156915661569157815661572156615721566157215661572156915661566157215691566157815661578156615791566157015841570158415701584157115891572158915781586157815861578 <td>1128' 2"</td> <td>1180* 1"</td> <td></td> <td>Rotten white hadite 1" to 3" hands black shale</td>  | 1128' 2"          | 1180* 1"  |                      | Rotten white hadite 1" to 3" hands black shale              |
| 11801111801111801111815118011921010Rotten white halite, bands of black shale11921011935Rotten white halite, bands of black shale11921011935Rotten white halite, bands of black shale11921011935Rotten white halite, bands of black shale1193512286Rotten white halite, bands of black shale1229312539Rotten white halite, bands of black shale, occasional1229312566Anhydrite1255912566Anhydrite127512291302Halite12891302HaliteWilky halite, with bunds of sulphate(glauberite, kisserite)130213278813271352**135213616White halit136213616White halit136213618813731413Hard grey Sand14131415Hard grey Sand14341439Hard grey Sand14351434Hard grey Sand14361569Salt, soft chrystal15691534Salt, soft chrystal15641672Salt, soft chrystal15641672Salt, soft chrystal15641672Salt, soft chrystal16691750Salt, hard dark  |                   |           |                      | occasional stringers of kisserite                           |
| 1180' 11"1181' 5"Laminated black shale1181' 5"1192' 10"1193' 5"Rotten white halite, bands of black shale1193' 5"1228' 8"Rotten white halite, bands of black shaleIllarinated grey anhydrite1229' 3"1253' 9"Laminated grey anhydrite1229' 3"1255' 9"Rotten white halite, bands of black shale, occasional1253' 9"1256' 6"Anhydrite1255' 6"1275'Rotten white halite1256' 6"1275'Rotten white halite1266' 6"Anhydrite1258'1302'Milky halite, with bunds of sulphate(glauberite,<br>kisserite)1302'1327'" " " " " " " " " "1352'1361' 6"White halit'1362'1373' 4Banded anhydrite13911393Hard black lime1415Hard grey SandHard grey Sand14451434Hard grey sand14551534Salt, hard white15661578Salt, soft ohrystal15691586Salt, soft ohrystal15691586Salt, hard dark   |                   | 1180* 11" |                      | Laminated grey anhydrite                                    |
| 1181': 5"1192' 10"Rotten white halite, bands of black shale1192' 10"1193' 5"Laminated grey anlydrite1193' 5"1228' 8"Rotten white halite, bands of black shaleoccasional1228' 8"1229' 3"Laminated grey anlydrite1228' 8"1229' 3"Laminated grey anlydrite1229' 3"1253' 9"Rotten white halite, bands of black shaleoccasional1229' 3"1255' 6"Rotten white halite, bands of blackshale, occasional1253' 9"1256' 6"Anlydrite1255' 1289'Halite1269'1302'Rotten white halite1302'1327'" " " " " " " " " " " " " " " " " " "   |                   |           |                      |   |
| 1192' 101193' 5"Laminated grey anhydrite1193' 5"1228' 8"Botten white halite, bands of black shaleoceasional1228' 8"1229' 3"1253' 9"Laminated grey anhydrite1229' 3"1253' 9"Rotten white halite, bands of blackshale, occasional1253' 9"1256' 6"Anhydrite1255' 6"1275'Rotten white halite1269' 1289'HaliteHalite1289' 1302'Milky halite, with bunds of sulphate(glauberite, kisserite)1302' 1327'" " " " " " " " " " " " " " " " " " "  |                   |           | 1                    |   |
| 1193'5"1228'8"Rotten white halite, bands of black shaleoccasional<br>stringers of kisserite1229'3"1253'9"1253'9"1256'6"1255'9"1256'6"1256'6"1275'Rotten white halite, bands of blackshale, occasional<br>stringers of kisserite white halite1256'6"1275'Rotten white halite1257'1289'HaliteMiky halite, with bunds of sulphate(glauberite,<br>kisserite)1302'1302'" " " " " " " " " " "132'1352'" " " " " " " " " " " "1352'1361'6"White halit:1362'1361'6"White halit:1362'1361'6"White halit:1362'1361'6"Banded anhydrite1362'1378'4Laminated blue limestone1378'4"1392'" " " "13911393Hard grey Sand14131415Hard grey Sand and lime14341439Hard grey Sand14391465Anhydrite, hard white15641578Salt, bard white15661578Salt, soft white15661572Salt, soft white15661672Salt, soft white15691589Salt, soft chrystal16891750Salt, hard chrystal  |                   |           |                      | Laminated grey anhydrite                                    |
| 1228'8"1229'3"Iaminated grey anhydrite1229'3"1253'9"Iaminated grey anhydrite1229'3"1256'6"Anhydrite1256'6"1275'Rotten white haliteHalite1257'1289'HaliteHalite1289'1302'Milky halite, with bunds of sulphate(glauberite,<br>kisserite)Kisserite)1302'1327'"""1327'1352'"""1352'1361'6"White halit:1362'1368'8"Banded anhydrite1362'1368'8"Banded anhydrite1362'1368'8"Banded anhydrite1362'1368'8"Banded anhydrite1362'1368'8"Banded anhydrite1361'6"1368'8"1378'4Laminated blue limestone1378'4Hard grey Sand14131415Hard grey Sand14131415Hard grey Sand14341439Hard grey Sand14351569Salt, hard white15691578Salt, soft chrystal15661672Salt, soft white15661672Salt, soft chrystal15781586Salt, hard chrystal16891750Salt, hard dark   | 1193 5"           | 1228* 8"  | 8                    |   |
| 1229' 3"1253' 9"Rotten white halite, bands of blackshale, occasional<br>stringers of kisserite white halite1256' 6"1275'Rotten white halite1257'1289'Halite1289'1302'Halite1302'1327'" " " " " " " " " " " " " " " " " " "   |                   |           |                      | stringers of kisserite                                      |
| 1253' 9"1256' 6"attringers of kisserite, banks of backshale, occasional<br>stringers of kisserite, banks of backshale, occasional<br>hands of kisserite banks, occasional<br>hands of kisserite, banks of backshale, occasional<br>hands of kisserite banks, occasional<br>hands of kisserite, banks, occasional<br>hands of kisserite, banks, occasional<br>hands of kisserite, banks, occasional<br>hands of backshale, occasional<br>hands of kisserite, banks, occasional<br>hands of backshale, banks, occasional<br>hand grey coloring, probably due to<br>fine clay,<br>" " " " " " " " " " " " " " " " " " "   |                   |           |                      |   |
| 1253' 9" 1256' 6" Anhydrite   1256' 6" 1275' Rotten white halite   1275' 1289' Halite   1289' 1302' Halite, with bunds of sulphate(glauberite, kisserite)   1302' 1327' " " " " " " " " " " " " " " " " " " "  | 1229 3"           | 1253* 9"  | i<br>i               | Rotten white halite, bands of blackshale, occasional        |
| 1256'6"1275'Ratio1289'1302'Halite1289'1302'Milky halite, with bunds of sulphate(glauberite,<br>kisserite)1302'1327'" " " " " " " " " " " " " " " " " " "   | 1957              | 20500 00  |                      |   |
| 1275'1289'Halite1289'1302'Halite1302'1327'Milky halite, with bands of sulphate(glauberite,<br>kisserite)1302'1327'" " " " " " " " " " " " " " " " " " "  |                   |           |                      | •   |
| 1289* 1302* Milky halite, with bands of sulphate(glauberite, kisserite)   1302* 1327* 1327*   1327* 1352* """"""""""""""""""""""""""""""""""""   |                   |           |                      |   |
| 1302'1327'1327'1327'1352'" " " " " " " " " " " " " " " " " " "   |                   |           |                      |   |
| 1302* 1327* 1352* """"""""""""""""""""""""""""""""""""   | TC04.             | 1302.     |                      | Milky halite, with bands of sulphate(glauberite, kisserite) |
| 1352' 1361' 6" some bluish and grey coloring, probably due to fine clay.   1361' 6" 1368' 8" Banded anhydrite   1368' 8" 1378' 4 Laminated blue limestone   1378' 4" 1392' """"""""""""""""""""""""""""""""""""  | 1302'             | 1327 *    |                      |   |
| 1352' 1361' 6" fine clay.   1361' 6" 1368' 8" Banded anhydrite   1368' 8" 1378' 4 Laminated blue limestone   1378' 4" 1392' "   1391 1393 Hard black lime   1393 1413 Hard grey Sand   1413 1415 Hard grey Sand and lime   1434 1439 Hard grey sand   1435 145 Hard grey sand   1434 1439 Hard grey sand   1435 145 Hard grey sand   1434 1439 Hard grey sand   1455 1534 Salt, hard white   1569 1534 Salt, bard white   1569 1578 Salt, soft chrystal   1578 1586 Salt, soft chrystal   1586 1672 Salt, soft chrystal   1672 1689 Salt, soft chrystal   1689 1750 Salt, hard dark  | 1327 •            | 1352*     |                      | ff if 11 11 17 17 17 17                                     |
| 1352' 1361' 6" fine clay.   1361' 6" 1368' 8" Banded anhydrite   1368' 8" 1378' 4 Laminated blue limestone   1378' 4" 1392' "   1391 1393 Hard black lime   1393 1413 Hard grey Sand   1413 1415 Hard grey Sand and lime   1434 1439 Hard grey sand   1435 145 Hard grey sand   1434 1439 Hard grey sand   1435 145 Hard grey sand   1434 1439 Hard grey sand   1455 1534 Salt, hard white   1569 1534 Salt, bard white   1569 1578 Salt, soft chrystal   1578 1586 Salt, soft chrystal   1586 1672 Salt, soft chrystal   1672 1689 Salt, soft chrystal   1689 1750 Salt, hard dark  |                   |           |                      | some bluish and grey coloring, probably due to              |
| 1361* 6" 1368* 8" Banded anhydrite   1368* 8" 1378* 4 Laminated blue limestone   1378* 4" 1392* " "   1391 1393 Hard black lime   1393 1413 Hard grey Sand   1413 1415 Hard grey Sand and lime   1415 1434 Hard grey sand   1434 1439 Hard grey sand   1434 1439 Hard grey sand   1435 1465 Anhydrite, hard white   1434 1439 Hard grey sand   1434 1439 Salt, hard white   1534 1569 Salt, jard chrystal   1569 1578 Salt, soft chrystal   1578 1586 Salt, soft chrystal   1672 1689 Salt, soft chrystal   1689 1750 Salt, hard dark  |                   |           |                      | fine clay.  |
| 1368' 8" 1378' 4 Laminated thuy direction   1378' 4" 1392' """"""""""""""""""""""""""""""""""""  |                   |           |                      | White halite  |
| 1378' 4" 1392' """"""""""""""""""""""""""""""""""""  |                   |           |                      | Banded anhydrite  |
| 1391 1393 Hard black lime   1393 1413 Hard grey Sand   1413 1415 Hard grey Sand and lime   1415 1434 Hard grey lime   1434 1439 Hard grey sand   1435 1439 Hard grey sand   1434 1439 Hard grey sand   1434 1439 Hard grey sand   1439 1465 Anhydrite, hard white   1439 1465 Salt, hard white   1455 1534 Salt, jard chrystal   1569 1578 Salt, soft chrystal   1578 1586 Salt, hard chrystal   1578 1689 Salt, soft chrystal   1689 1750 Salt, hard dark   |                   | -         |                      | Laminated blue limestone                                    |
| 13931413Hard grey Sand14131415Hard grey Sand and lime14151434Hard grey lime14341439Hard grey sand14391465Anhydrite, hard white14551534Salt, hard white15691578Salt, soft chrystal15781586Salt, soft white15861672Salt, hard chrystal16721689Salt, soft chrystal16891750Salt, hard dark   |                   |           |                      | 17 N 19   |
| 14131415Hard grey Sand and lime14151434Hard grey lime14341439Hard grey sand14391465Anhydrite, hard white14651534Salt, hard white15341569Salt, jard chrystal15691578Salt, soft chrystal15781586Salt, hard chrystal16891750Salt, soft chrystal16891750Salt, hard dark  |                   |           |                      | Hard black lime   |
| 14151434Hard grey lime14341439Hard grey sand14391465Anhydrite, hard white14651534Salt, hard white15341569Salt, jard chrystal15691578Salt, soft chrystal15781586Salt, hard chrystal16721689Salt, soft chrystal16891750Salt, hard dark   |                   |           |                      |   |
| 1415 1434 Hard grey lime   1434 1439 Hard grey sand   1439 1465 Anhydrite, hard white   1465 1534 Salt, hard white   1534 1569 Salt, jard chrystal   1569 1578 Salt, soft chrystal   1578 1586 Salt, hard chrystal   1586 1672 Salt, soft chrystal   1672 1689 Salt, soft chrystal   1689 1750 Salt, hard dark   |                   |           |                      |   |
| 14391465Anhydrite, hard white14651534Salt, hard white15341569Salt, jard chrystal15691578Salt, soft chrystal15781586Salt, soft white15861672Salt, hard chrystal16721689Salt, soft chrystal16891750Salt, hard dark   |                   |           |                      |   |
| 1465 1534 Salt, hard white   1534 1569 Salt, jard chrystal   1569 1578 Salt, soft chrystal   1578 1586 Salt, soft white   1586 1672 Salt, hard chrystal   1672 1689 Salt, soft chrystal   1689 1750 Salt, hard dark  |                   |           |                      | Hard grey sand  |
| 1534 1569 Salt, jard chrystal   1569 1578 Salt, soft chrystal   1578 1586 Salt, soft white   1586 1672 Salt, hard chrystal   1689 1750 Salt, hard dark   |                   | 1         |                      |   |
| 1569   1578   Salt, soft chrystal     1578   1586   Salt, soft white     1586   1672   Salt, hard chrystal     1672   1689   Salt, soft chrystal     1689   1750   Salt, hard dark   |                   |           |                      | Salt, hard white  |
| 1569 1578 Salt, soft chrystal   1578 1586 Salt, soft white   1586 1672 Salt, hard chrystal   1672 1689 Salt, soft chrystal   1689 1750 Salt, hard dark   |                   |           |                      |   |
| 1578   1586   Salt, soft white     1586   1672   Salt, hard chrystal     1672   1689   Salt, soft chrystal     1689   1750   Salt, hard dark   |                   |           |                      | Salt, soft chrystal   |
| 1586   1672   Salt, hard chrystal     1672   1689   Salt, soft chrystal     1689   1750   Salt, hard dark  |                   |           | 1                    | Salt, soft white  |
| 1689 1750 Salt, hard dark  |                   |           |                      | Salt, hard chrystal   |
| and a main   |                   |           |                      | Salt, soft chrystal   |
| 1750 1757 Salt   |                   |           |                      |   |
|  | 1720              | 1757      |                      | Salt  |

(The top portion of this well from the furface down to 1391 feet was drilled by the New Maxiceo Potash and Chemical Company and at that point the well was purchased and taken over by the Pool Oil and Gas Company and by them completed from 1391 ft. to 1757 ft. as shown by the log on this sheet. The log for the frilling from the surface to 1391 ft. we understand has heretofore been certified to the Department of the State Geologist of New Mexico by the New Mexico Potash and Chemical Company.)