

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
May 27, 2004

RECEIVED

Submit to appropriate District Office

FEB 23 2005

☐ AMENDED REPORT

OCD-ARTESIA

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

|                                                                                                                |                                      |                                         |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|
| <sup>1</sup> Operator Name and Address<br>Sandel Operating Company<br>P.O. Box 1917, Huntsville, TX 77342-1917 |                                      | <sup>2</sup> OGRID Number<br>226685     |
|                                                                                                                |                                      | <sup>3</sup> API Number<br>30-015-20464 |
| <sup>4</sup> Property Code<br>26666                                                                            | <sup>5</sup> Property Name<br>Gopogo | <sup>6</sup> Well No.<br>2              |
| <sup>9</sup> Proposed Pool 1<br>Carlsbad Morrow, South                                                         |                                      | <sup>10</sup> Proposed Pool 2           |

<sup>7</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| G             | 24      | 22S      | 26E   |         | 1980          | North            | 1980          | East           | Eddy   |

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

Additional Well Information

|                                                                                                                                                                                                                                                                          |                                       |                                        |                                    |                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|------------------------------------|-------------------------------------------------|
| <sup>11</sup> Work Type Code<br>D                                                                                                                                                                                                                                        | <sup>12</sup> Well Type Code<br>G     | <sup>13</sup> Cable/Rotary<br>R        | <sup>14</sup> Lease Type Code<br>P | <sup>15</sup> Ground Level Elevation<br>3162 GR |
| <sup>16</sup> Multiple<br>N                                                                                                                                                                                                                                              | <sup>17</sup> Proposed Depth<br>12013 | <sup>18</sup> Formation<br>Morrow      | <sup>19</sup> Contractor           | <sup>20</sup> Spud Date<br>2-28-05              |
| Depth to Groundwater                                                                                                                                                                                                                                                     |                                       | Distance from nearest fresh water well |                                    | Distance from nearest surface water             |
| Pit: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/> |                                       |                                        |                                    |                                                 |
| Closed-Loop System <input type="checkbox"/>                                                                                                                                                                                                                              |                                       |                                        |                                    |                                                 |

<sup>21</sup> Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17 1/2"   | 13 3/8"     | 48#                | 319'          | 300 sx          | Circ          |
| 12 1/4"   | 9 5/8"      | 36# & 40#          | 5328'         | 1900 sx         | Circ          |
| 8 1/4"    | 7"          | 23, 26, 29#        | 11810'        | 860 sx          |               |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Plug Strawn perfs and recompleat back to existing Morrow perfs.  
Workover to begin 2-28-05

- 1) Squeeze Strawn perfs 10,210-498' w/150 sx of cement.
- 2) Do cement and CIBP at 11,100'.
- 3) Retrieve Vann Gunns and packer at 11,340'.
- 4) Produce Morrow formation perfs 11,225'-34', 11,382'-404', 11,424'-434', 11,454'-60', and 11,480'-482'.

Common high pressure workover blowout preventers will be used during this operation.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Printed name: Ricky W. Sledge  
Title: Petroelum Engineer  
E-mail Address: jbsandel@consolidated.net  
Date: 2-22-05 Phone: 936-291-1002

OIL CONSERVATION DIVISION

Approved by:

TIM W. GUM

DISTRICT II SUPERVISOR

Approval Date:

FEB 28 2005

Expiration Date:

FEB 28 2006

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

Well: GoPoGr #2

Z: 19.8' AGL

Location: 1980' FVL, 1980' FEL  
G-24-22s-2be  
Eddy NM

KD: 3181.8'  
 GL: 3162'

Casing Program:

| Size    | Wt. | Grade | Conn. | Depth  |
|---------|-----|-------|-------|--------|
| 13 7/8" | 48  | H40   | STC   | 319'   |
| 9 5/8"  | 40  | J55   | STC   | 1309'  |
|         | 36  | J55   | STC   | 4559'  |
|         | 40  | J55   | STC   | 5334'  |
| 7"      | 23  | N80   | BTC   | 5514'  |
|         | 26  | N80   | LTC   | 6397'  |
|         | 26  | N80   | XL    | 7620'  |
|         | 29  | N80   | XL    | 10738' |
|         | 29  | N80   | LTC   | 11810' |
| 2 3/8"  | 4.7 | N80   | ?     | 11167' |

7 1/2"

42-383 300 SHEETS EVEREASE 5 SQUARE  
 42-382 100 RECYCLED WHITE 5 SQUARE  
 42-359 300 RECYCLED WHITE 5 SQUARE  
 2500 - 11 5/8"

12 1/4"

8 3/4"

13 7/8" @ 319'  
 200 DLC + 100 C Circ. 605x

9 5/8" @ 5334'  
 1500 HLC + 400 C Circ. 1505x

TBC 6410' TS

318 Jts 2 3/8" N-80 TBC

Irrowset  
 ST-10K  
 r at  
 10153

OV 9711' - PKR run in 3102 Add'd 302

→ Strawn Perfs 10210-498

"BEFORE"

CJPB @ 11,100' 35' of cement on top

11225-234' (36)

Mrrw

→ PKR run in 3192

11382-404', 11424-434'  
 11554-460', 11480-482'

Mrrw

OBJECTIVE

7" @ 11810' 1st: 460H 2nd: 400HLC

in gun @ 11283'  
 5' sand on top  
 Ini-6 @ 11340'  
 BP in OVD PH)

16" gun + 3 5/8" hr  
 1415

12013

- Sketch Not To Scale -

Zoo: 19.8' AGL

Location: 1980' FNL, 1980' FEL  
G-24-22g-26e  
Eddy NM

KB : 3181,8'

GL: 3162'

### Casing Program:

| Size    | Wt.      | Grade      | Conn. | Depth          |
|---------|----------|------------|-------|----------------|
| 13 7/8" | 48       | H40        | STC   | 319'           |
| 9 5/8"  | 40<br>36 | J55<br>J55 | STC   | 1309'<br>4559' |
|         | 40       | J55        | STC   | 5334'          |
| 7"      | 23       | N80        | BTC   | 5514'          |
|         | 26       | N80        | LTC   | 6397'          |
|         | 26       | N80        | XL    | 7620'          |
|         | 29       | N80        | XL    | 10738'         |
|         | 29       | N80        | LTC   | 11810'         |
| 2 3/8   | 4.7      | N80        | ?     | 11167'         |

17 1/2

13 7/8" @ 319'

200 DLE + 100 C Circ. 605x

95/8" @ 5334'

1500 HLC + 400 C. Circ. 150 gX

TbC 6410' TS

8 3/4"

After

2<sup>3/8</sup> | N-80 TB6

DV 9711'

|              |                       |
|--------------|-----------------------|
| Strawn Perts | Sqzd w/ <u>150</u> sx |
|--------------|-----------------------|

11225-234' (36)

Mrw

11382-404', 11424-434'

Mr. W.

11454-460, 11480-482

7<sup>th</sup> e11810' 1<sup>st</sup>I: 460H 2<sup>nd</sup>: 400HLC

1 1/16" gun + 3 smaller  
bays

12013

— Sketch Not To Scale —

KBCollins/

## District I

1625 N. French Dr., Hobbs, NM 88240

## District II

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## District IV

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## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                        |                                                 |
|-----------------------------------------|--------------------------------------------------------|-------------------------------------------------|
| <sup>1</sup> API Number<br>30-015-20464 | <sup>2</sup> Pool Code<br>73960                        | <sup>3</sup> Pool Name<br>Carlsbad Morrow South |
| <sup>4</sup> Property Code<br>26666     | <sup>5</sup> Property Name<br>Gopogo                   | <sup>6</sup> Well Number<br>2                   |
| <sup>7</sup> OGRID No.<br>226685        | <sup>8</sup> Operator Name<br>Sandel Operating Company | <sup>9</sup> Elevation<br>3162GR                |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| G             | 24      | 22S      | 26E   |         | 1980          | North            | 1980          | East           | Eddy   |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|                                      |                                    |                                       |                         |
|--------------------------------------|------------------------------------|---------------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>320 | <sup>13</sup> Joint or Infill<br>N | <sup>14</sup> Consolidation Code<br>C | <sup>15</sup> Order No. |
|--------------------------------------|------------------------------------|---------------------------------------|-------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|                   |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <sup>16</sup><br> | <sup>17</sup> OPERATOR CERTIFICATION<br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.<br><br>Signature<br>Printed Name<br>Title and E-mail Address<br>Date                                                                                                                                                    |
|                   | <sup>18</sup> SURVEYOR CERTIFICATION<br>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.<br>6/24/71<br>Date of Survey<br>Signature and Seal of Professional Surveyor:<br>See Original Survey<br>Certificate Number 676 |
|                   |                                                                                                                                                                                                                                                                                                                                                                                     |
|                   |                                                                                                                                                                                                                                                                                                                                                                                     |