



# PHOENIX

TECHNOLOGY SERVICES USA INC.

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

*Celebrating 20 Years of Focused Solutions*

November 29, 2016

BC Operating  
Attention: Regulatory Department  
303 Veterans Airpark Lane #6101  
PO Box 50820, Midland, TX 70710  
Midland, TX 79705-4550

NM OIL CONSERVATION  
ARTESIA DISTRICT

FEB 27 2017

RECEIVED

Re: BC Operating  
Red Light 27-34 State Com #2H  
Eddy County, NM  
API #30-015-43917  
Job No. 60586

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced well with the State of New Mexico Oil Conservation Division – District 2 via certified mail. A copy of the filing is attached for your records.

| Name of Surveyor | Drain Hole Number | Surveyed Depths |     | Dates Performed |          | Type of Survey |
|------------------|-------------------|-----------------|-----|-----------------|----------|----------------|
|                  |                   | From            | To  | Start           | End      |                |
| Noe Garza        | 2H                | 0               | 443 | 11/24/16        | 11/24/16 | Gyro           |

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

*Brittany Carley*

Brittany Carley  
Operations Administrator

# SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964



Company: BC Operating

Job #: 60586

Well Name: Red Light 27-34 State Com # 2H

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-43917

| Measure<br>Depth (ft) | Vertical<br>Depth (ft) | Inclination<br>(°) | Azimuth (°) | N-S<br>Coordinates | E-W<br>Coordinates | Data Source |
|-----------------------|------------------------|--------------------|-------------|--------------------|--------------------|-------------|
| 0                     | 0                      | 0                  | 0           | 0                  | 0                  | Surface     |

| Date       | Depth (ft) | Inclination<br>(°) | Azimuth (°) | Date       | Depth (ft) | Inclination<br>(°) | Azimuth (°) |
|------------|------------|--------------------|-------------|------------|------------|--------------------|-------------|
| 2016-11-24 | 0          | 0                  | 0           | 2016-11-24 | 443        | 1.3                | 89.01       |

| Date | Depth (ft) | Inclination<br>(°) | Azimuth (°) | Grid<br>Correction |
|------|------------|--------------------|-------------|--------------------|
| 0    | 0          | 0                  | 0           | -0.05              |

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

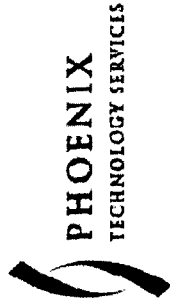
Date:

11-24-16

Print Name: Noe Garza

Signature:

A handwritten signature in black ink, appearing to read 'Noe Garza', written over a horizontal line.



**PHOENIX**  
TECHNOLOGY SERVICES

Company: BC Operating  
Well: Red Light 27-34 State Com 2H  
Location: Eddy Co., New Mexico  
Rig: Patterson 244

Job Number:  
Grid Corr.:  
Lat:  
Long:

Date: 11-24-16  
Calculation Method: Minimum Curvature  
Proposed Azimuth:  
RKB - MSL in feet: 28  
Tie Info: Surface

| Survey Tool Type               | Survey Depth (ft) | Inclination (deg) | Azimuth (deg) | Course Length (ft) | True Vertical Depth (ft) | Vertical Section (ft) | Coordinates |          | Closure       |             | Dogleg Severity (d/100') | Build Rate (d/100') | Walk Rate (d/100') |
|--------------------------------|-------------------|-------------------|---------------|--------------------|--------------------------|-----------------------|-------------|----------|---------------|-------------|--------------------------|---------------------|--------------------|
| FIELD COPY, NON-DEFINITIVE     |                   |                   |               |                    |                          |                       |             |          |               |             |                          |                     |                    |
| Enter Tie-In Survey on Line 10 |                   |                   |               |                    |                          |                       |             |          |               |             |                          |                     |                    |
| TIE IN                         | 0                 |                   |               | 0                  | 0                        | 0                     | N/S (ft)    | E/W (ft) | Distance (ft) | Angle (deg) |                          |                     |                    |
| Gyro                           | 115.24            | 0.09              | 332.74        | 115                | 115.24                   | 0.08                  | 0.08 N      | 0.04 W   | 0.09          | 332.74      | 0.08                     | 0.08                | 288.74             |
|                                | 206.97            | 0.65              | 355.94        | 92                 | 206.97                   | 0.66                  | 0.66 N      | 0.11 W   | 0.67          | 350.48      | 0.62                     | 0.61                | 25.29              |
|                                | 298.22            | 0.94              | 3.54          | 91                 | 298.21                   | 1.93                  | 1.93 N      | 0.10 W   | 1.93          | 356.98      | 0.34                     | 0.32                | -386.19            |
|                                | 390.37            | 1.18              | 44.29         | 92                 | 390.34                   | 3.36                  | 3.36 N      | 0.61 E   | 3.41          | 10.25       | 0.84                     | 0.26                | 44.22              |
|                                | 443.00            | 1.30              | 89.01         | 53                 | 442.96                   | 3.76                  | 3.76 N      | 1.58 E   | 4.08          | 22.84       | 1.80                     | 0.23                | 84.97              |

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                  |                                                         |                                                           |
|----------------------------------|---------------------------------------------------------|-----------------------------------------------------------|
| <sup>1</sup> API Number          | <sup>2</sup> Pool Code<br>98204                         | <sup>3</sup> Pool Name<br>WC-015 S232627B; Wolfcamp (Gas) |
| <sup>4</sup> Property Code       | <sup>5</sup> Property Name<br>RED LIGHT 27-34 STATE COM | <sup>6</sup> Well Number<br>2H                            |
| <sup>7</sup> OGRID No.<br>160825 | <sup>8</sup> Operator Name<br>B.C. OPERATING, INC.      | <sup>9</sup> Elevation<br>3313                            |

<sup>10</sup> Surface Location

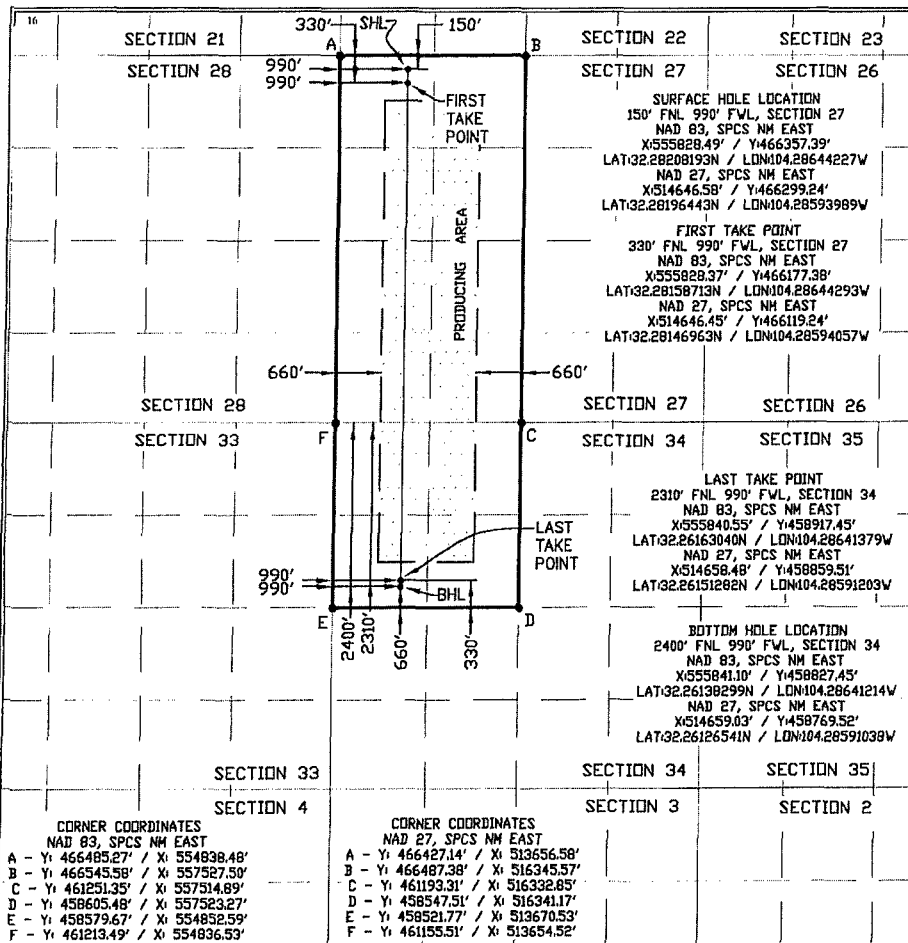
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 27      | T23S     | R26E  |         | 150'          | NORTH            | 990'          | WEST           | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| E             | 34      | T23S     | R26E  |         | 2400'         | NORTH            | 990'          | WEST           | EDDY   |

|                                         |                               |                                  |                         |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>480.00 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <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>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Sarah Presley

Printed Name

spresley@bcoperating.com

E-mail Address

<sup>18</sup> SURVEYOR CERTIFICATION

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.

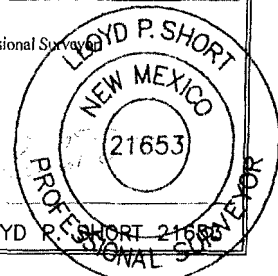
MAY 18, 2016

Date of Survey

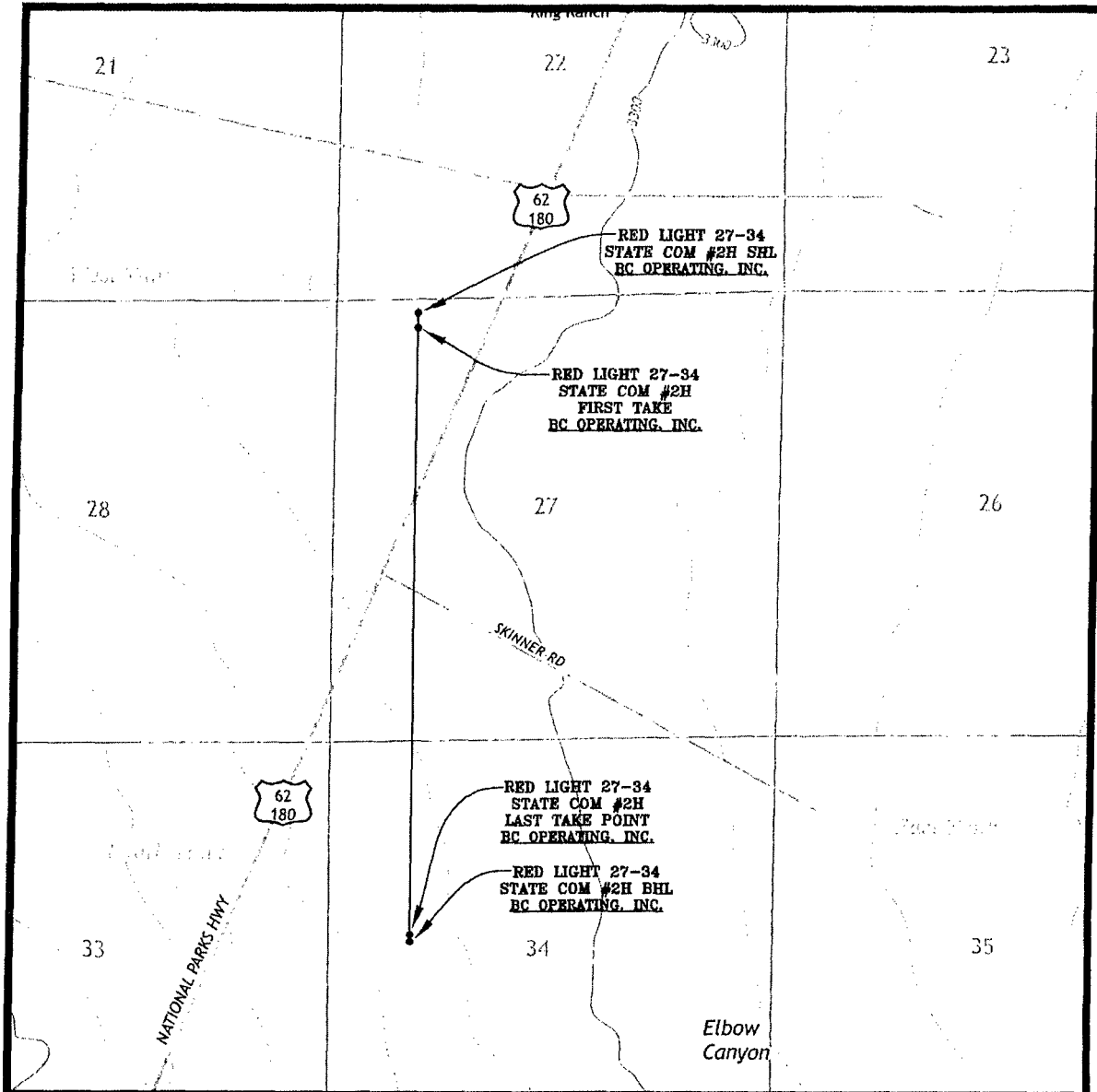
Signature and Seal of Professional Surveyor

Certificate Number

LLOYD P. SHORT 21653



# LOCATION VERIFICATION MAP

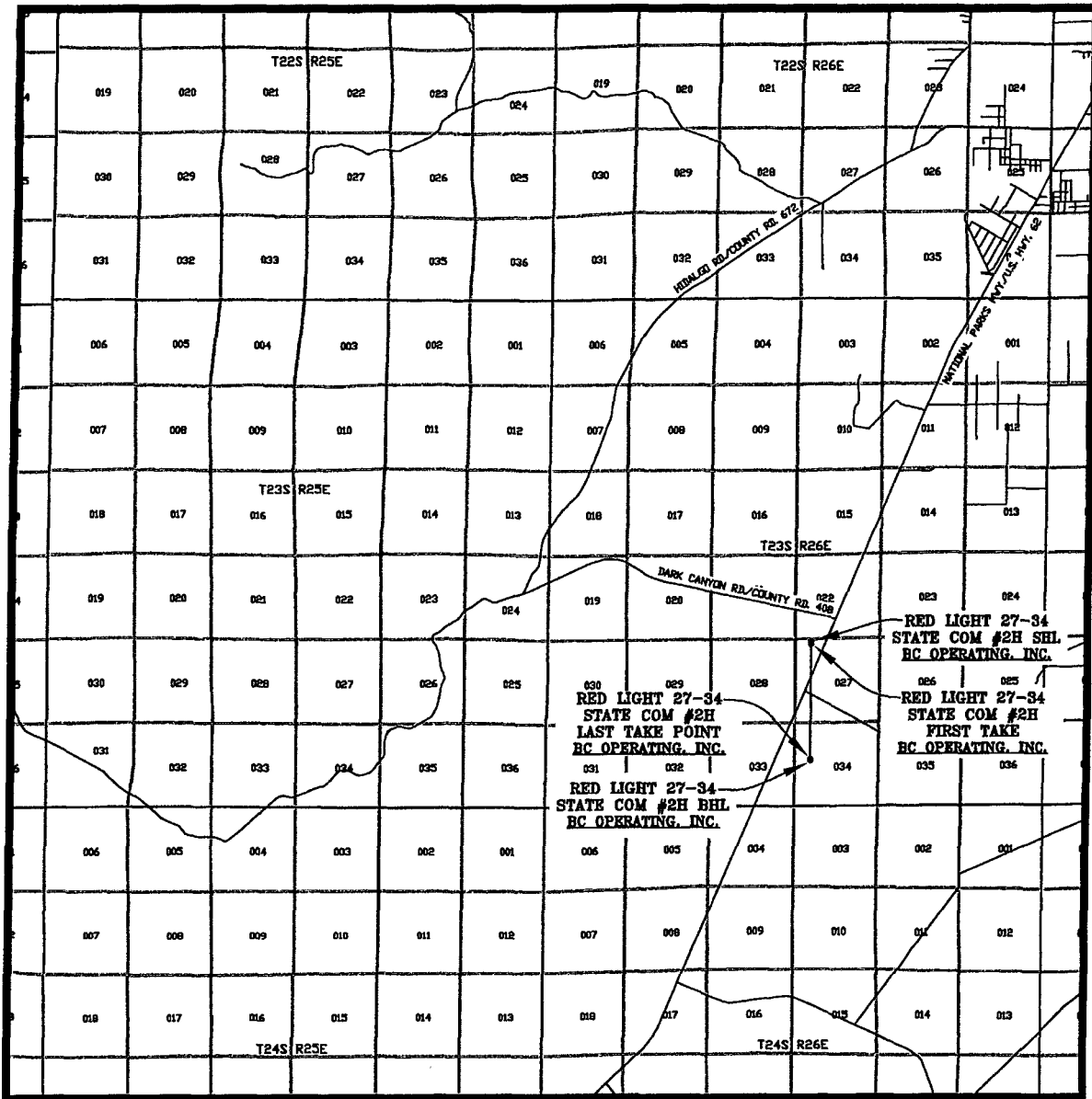


SEC. 27 TWP. 23 S RGE. 26 E  
 SURVEY: N.M.P.M.  
 COUNTY: EDDY  
 DESCRIPTION: 150' FNL & 990' FWL  
 ELEVATION: 3313'  
 OPERATOR: B.C. OPERATING, INC.  
 LEASE: RED LIGHT 27-34 STATE COM  
 U.S.G.S. TOPOGRAPHIC MAP: KITCHEN COVE, N.M.

SCALE: 1" = 2000'  
 CONTOUR INTERVAL = 20'

PREPARED BY:  
 R-SQUARED GLOBAL, LLC  
 1309 LOUISVILLE AVENUE, MONROE, LA 71201  
 318-323-8900 OFFICE  
 JOB No. R3642\_002

# VICINITY MAP



SEC. 27 TWP. 23 S RGE. 26 E  
 SURVEY: N.M.P.M.  
 COUNTY: EDDY  
 DESCRIPTION: 150' FNL & 990' FWL  
 ELEVATION: 3313'  
 OPERATOR: B.C. OPERATING, INC.  
 LEASE: RED LIGHT 27-34 STATE COM  
 U.S.G.S. TOPOGRAPHIC MAP: KITCHEN COVE, N.M.

SCALE: 1" = 2 MILES

PREPARED BY:  
 R-SQUARED GLOBAL, LLC  
 1309 LOUISVILLE AVENUE, MONROE, LA 71201  
 318-323-6900 OFFICE  
 JOB No. R3642\_002