



# TARGA

Targa Midstream Services Limited Partnership  
6 Desta Drive, Suite 3300  
Midland, TX 79705  
432 688 0555  
[www.targaresources.com](http://www.targaresources.com)

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July 16, 2007

Mr. Wayne Price  
Bureau Chief  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: Additional Information Relevant to Case 13865  
Application for a Permit to Drill and Operate an Injection Well  
Targa Midstream Services Limited Partnership  
South Eunice Compressor Station, Lea County, New Mexico

Dear Mr. Price:

Targa Midstream Services Limited Partnership (Targa) would like to provide the Bureau with additional information regarding the proposed Acid Gas Injection (AGI) Well site. This information is in addition to the information submitted to the Bureau by Mr. Alberto Gutierrez in his letter to Mr. William Jones dated June 5, 2007 (attached for your convenience). This additional information relates to a sonar survey to identify the cavern size and cavern location for Skelly #4 Y-Grade Product Storage Well to demonstrate there is no potential for impact to the proposed AGI well.

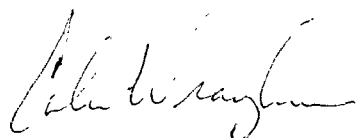
Targa hired Gray Wireline, 2400 E. I-20, Odessa, TX. 79766 to do gauge and density surveys on the #4 well. Mr. Monty Holmes of Gray Wireline did the surveys on July 9, 2007. These gauge run survey identified the well tubing was 7.0 inch OD and was clear of any obstructions. The gauge run survey also determined the bottom of the casing and well depth at 2038 feet. The density run indicated the brine water level at 50 feet below the well head and that there is no product or pockets of product in the well. These surveys were conducted to gather the information needed to prepare for a well sonar survey. Find enclosed the density and CCL strip chart report.

On July 12, 2007 Gray Wireline returned with Sonarwire, Inc. of Abita Springs, LA. 70420, to conduct a sonar survey. The survey was witnessed by Mr. Leonard Lowe of the NMOCD, Santa Fe and myself. The sonar indicated a circular cavern with a maximum radius of 61.6 feet. See enclosed documents titled Max Range vs Bearing, Vertical Cross Section (north to south), and Vertical Cross Section (east to west).

The survey identifies the cavern radius to be approximately 20 yards in the direction of the proposed AGI drill site. The horizontal distance separating the #4 well and the proposed AGI well site is approximately 170 yards. With the approximately 150 yards horizontal distance separating these borings Targa feels there is no potential impact from #4 well on the proposed drilling location.

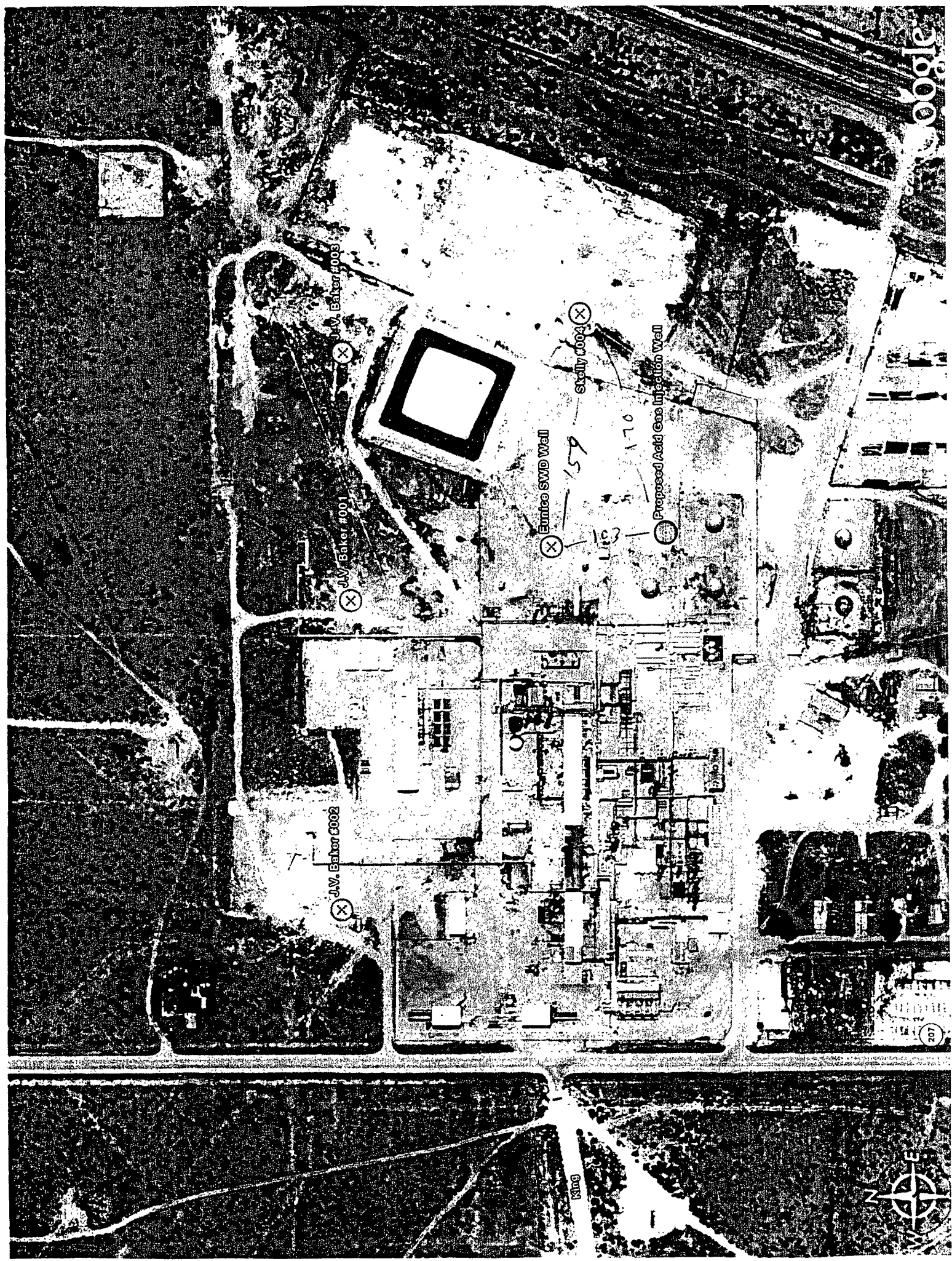
Please contact me at 432.688.0542 if you have questions.

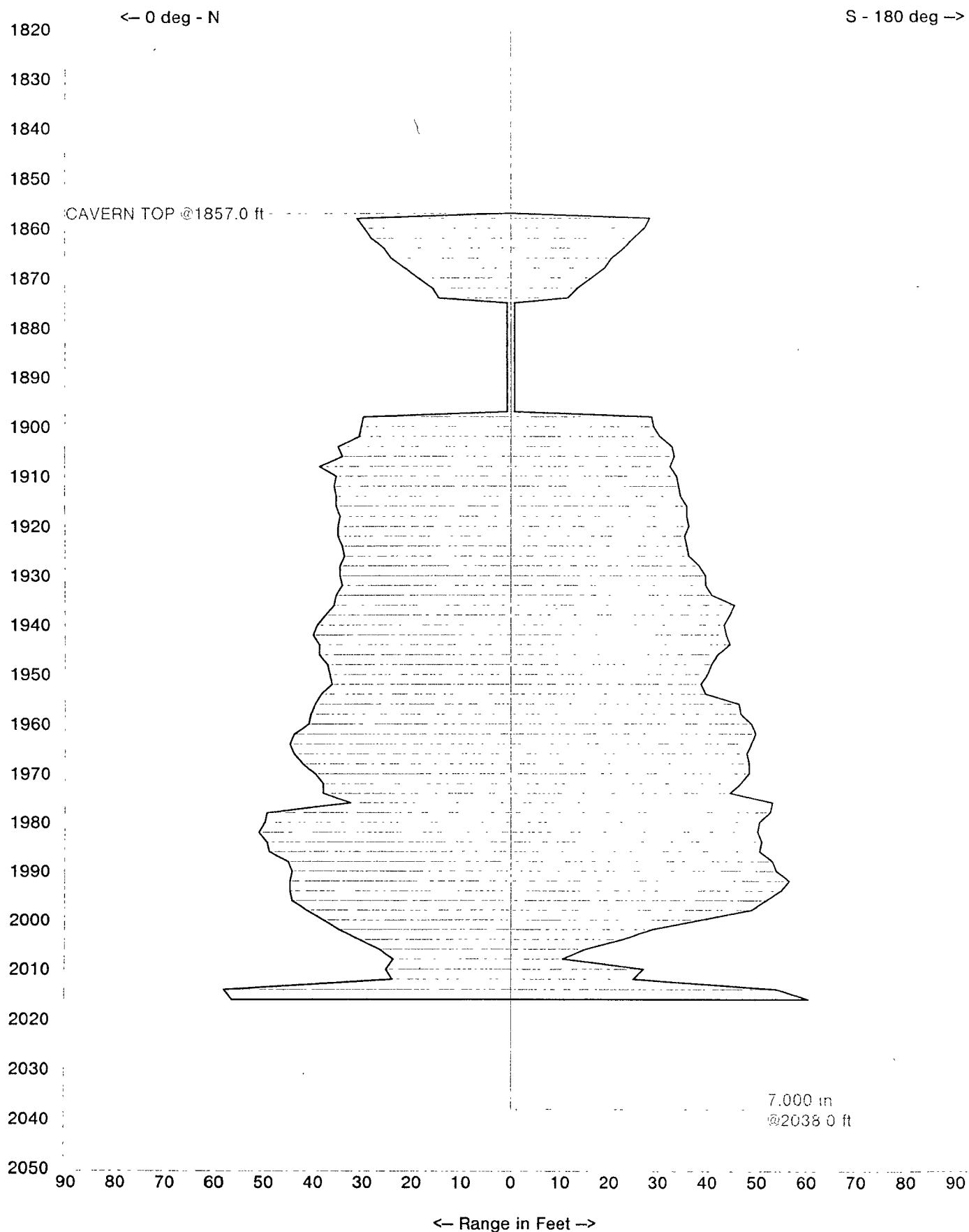
Sincerely,

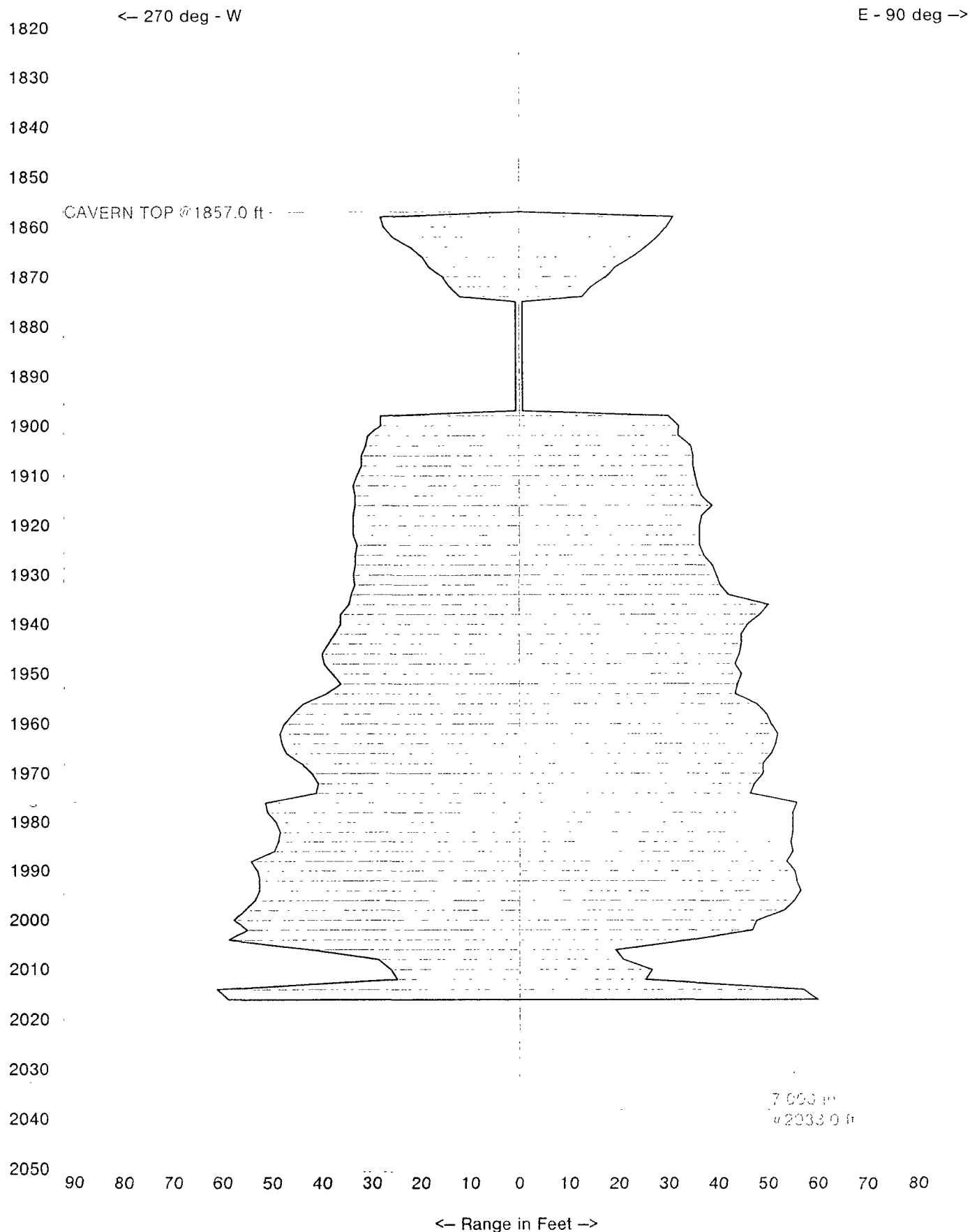
A handwritten signature in black ink, appearing to read "Cal Wrangham". The signature is fluid and cursive, with a large initial "C" and "W".

Cal Wrangham  
Targa Midstream Services  
Sr. ES&H Specialist

cc: Chris Williams – NMOCD Hobbs  
Jessica Keiser – Targa ES&H Manager  
William Carr, Holland & Hart







SONARWIRE INC.  
Depth versus Volume

TARGA RESOURCES  
EUNICE, NM

WELL: Y GRADE #4  
Thu, Jul 12, 2007

| Depth | Cubic ft.<br>per ft. | Cubic ft.<br>total | Barrels<br>per ft. | Barrels<br>total |
|-------|----------------------|--------------------|--------------------|------------------|
| 1858  | 0.6                  | 0.6                | 0.1                | 0.1              |
| 1860  | 2739.9               | 5480.3             | 488.0              | 976.1            |
| 1862  | 2492.1               | 10464.5            | 443.9              | 1863.8           |
| 1864  | 2167.3               | 14799.1            | 386.0              | 2635.8           |
| 1866  | 1837.8               | 18474.6            | 327.3              | 3290.5           |
| 1868  | 1515.6               | 21505.7            | 269.9              | 3830.3           |
| 1870  | 1201.6               | 23909.0            | 214.0              | 4258.4           |
| 1872  | 932.7                | 25774.3            | 166.1              | 4590.6           |
| 1874  | 670.4                | 27115.0            | 119.4              | 4829.4           |
| 1876  | 263.0                | 27641.1            | 46.8               | 4923.1           |
| 1878  | 1.7                  | 27644.5            | 0.3                | 4923.7           |
| 1880  | 1.7                  | 27647.9            | 0.3                | 4924.3           |
| 1882  | 1.7                  | 27651.3            | 0.3                | 4924.9           |
| 1884  | 1.7                  | 27654.7            | 0.3                | 4925.5           |
| 1886  | 1.7                  | 27658.1            | 0.3                | 4926.1           |
| 1888  | 1.7                  | 27661.6            | 0.3                | 4926.7           |
| 1890  | 1.7                  | 27665.0            | 0.3                | 4927.3           |
| 1892  | 1.7                  | 27668.4            | 0.3                | 4928.0           |
| 1894  | 1.7                  | 27671.8            | 0.3                | 4928.6           |
| 1896  | 1.7                  | 27675.2            | 0.3                | 4929.2           |
| 1898  | 1.7                  | 27678.6            | 0.3                | 4929.8           |
| 1900  | 2744.2               | 33167.1            | 488.8              | 5907.3           |
| 1902  | 3052.2               | 39271.4            | 543.6              | 6994.5           |
| 1904  | 3378.6               | 46028.7            | 601.8              | 8198.1           |
| 1906  | 3778.1               | 53584.8            | 672.9              | 9543.9           |
| 1908  | 3885.6               | 61355.9            | 692.1              | 10928.0          |
| 1910  | 3917.4               | 69190.6            | 697.7              | 12323.4          |
| 1912  | 4094.0               | 77378.6            | 729.2              | 13781.7          |
| 1914  | 4221.3               | 85821.3            | 751.9              | 15285.4          |
| 1916  | 4363.5               | 94548.4            | 777.2              | 16839.8          |
| 1918  | 4408.4               | 103365.2           | 785.2              | 18410.1          |
| 1920  | 4324.0               | 112013.3           | 770.1              | 19950.4          |
| 1922  | 4506.0               | 121025.3           | 802.6              | 21555.5          |
| 1924  | 4342.6               | 129710.4           | 773.4              | 23102.4          |
| 1926  | 4200.2               | 138110.8           | 748.1              | 24598.6          |
| 1928  | 4403.5               | 146917.8           | 784.3              | 26167.2          |
| 1930  | 4635.7               | 156189.3           | 825.7              | 27818.5          |
| 1932  | 4817.4               | 165824.1           | 858.0              | 29534.5          |
| 1934  | 4962.5               | 175749.0           | 883.9              | 31302.3          |
| 1936  | 5222.3               | 186193.5           | 930.1              | 33162.5          |
| 1938  | 5773.3               | 197740.2           | 1028.3             | 35219.1          |
| 1940  | 5763.7               | 209267.5           | 1026.6             | 37272.2          |
| 1942  | 5718.7               | 220704.8           | 1018.5             | 39309.2          |
| 1944  | 5765.6               | 232236.0           | 1026.9             | 41363.0          |
| 1946  | 5665.3               | 243566.7           | 1009.0             | 43381.1          |
| 1948  | 5549.5               | 254665.8           | 988.4              | 45357.9          |

TARGA RESOURCES  
EUNICE, NM

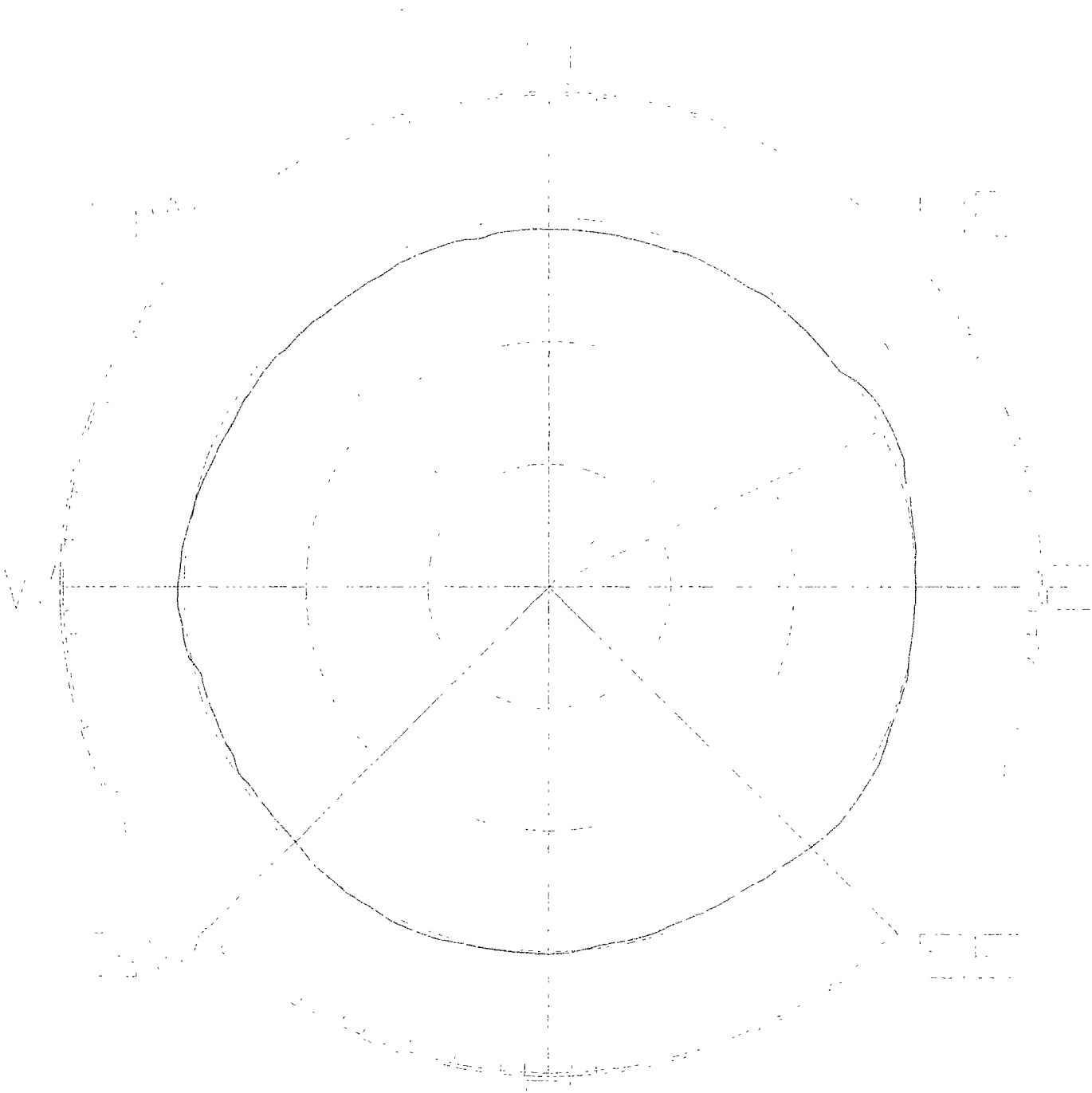
WELL Y GRADE #4  
Thu, Jul 12, 2007

| Depth | Cubic ft.<br>per ft. | Cubic ft.<br>total | Barrels<br>per ft. | Barrels<br>total |
|-------|----------------------|--------------------|--------------------|------------------|
| 1950  | 5465.9               | 265597.5           | 973.5              | 47305.0          |
| 1952  | 5508.9               | 276615.2           | 981.2              | 49267.3          |
| 1954  | 5465.3               | 287545.8           | 973.4              | 51214.1          |
| 1956  | 5683.3               | 298912.4           | 1012.2             | 53238.6          |
| 1958  | 6315.5               | 311543.4           | 1124.8             | 55488.3          |
| 1960  | 6823.3               | 325189.9           | 1215.3             | 57918.8          |
| 1962  | 7127.3               | 339444.5           | 1269.4             | 60457.7          |
| 1964  | 7353.2               | 354150.9           | 1309.7             | 63077.0          |
| 1966  | 7238.7               | 368628.3           | 1289.3             | 65655.5          |
| 1968  | 6949.1               | 382526.5           | 1237.7             | 68130.9          |
| 1970  | 6662.0               | 395850.4           | 1186.6             | 70504.0          |
| 1972  | 6270.6               | 408391.7           | 1116.8             | 72737.7          |
| 1974  | 5771.0               | 419933.7           | 1027.9             | 74793.4          |
| 1976  | 6093.2               | 432120.0           | 1085.2             | 76963.9          |
| 1978  | 7738.1               | 447596.2           | 1378.2             | 79720.3          |
| 1980  | 8560.8               | 464717.9           | 1524.7             | 82769.8          |
| 1982  | 8455.6               | 481629.1           | 1506.0             | 85781.9          |
| 1984  | 8464.8               | 498558.8           | 1507.7             | 88797.2          |
| 1986  | 8339.6               | 515238.1           | 1485.4             | 91767.9          |
| 1988  | 8117.0               | 531472.1           | 1445.7             | 94659.3          |
| 1990  | 8238.6               | 547949.4           | 1467.4             | 97594.0          |
| 1992  | 8478.2               | 564905.8           | 1510.0             | 100614.1         |
| 1994  | 8721.8               | 582349.5           | 1553.4             | 103720.9         |
| 1996  | 8222.2               | 598793.9           | 1464.4             | 106649.8         |
| 1998  | 7694.6               | 614183.2           | 1370.5             | 109390.8         |
| 2000  | 7141.3               | 628465.9           | 1271.9             | 111934.6         |
| 2002  | 6306.9               | 641079.6           | 1123.3             | 114181.2         |
| 2004  | 5239.3               | 651558.3           | 933.2              | 116047.6         |
| 2006  | 3617.5               | 658793.2           | 644.3              | 117336.2         |
| 2008  | 1909.1               | 662611.3           | 340.0              | 118016.2         |
| 2010  | 1355.0               | 665321.3           | 241.3              | 118498.9         |
| 2012  | 2106.3               | 669533.8           | 375.1              | 119249.1         |
| 2014  | 3583.3               | 676700.5           | 638.2              | 120525.6         |
| 2016  | 10429.9              | 697560.2           | 1857.6             | 124240.9         |

TARGA RESOURCES  
WELL Y GRADE #4  
EUNICE, NM

SONARWIRE, INC  
Max Range vs Bearing

Max Radius= 61.6 ft @ 64.7 deg  
Depth= 1990 ft Thu Jul 12, 2007



1 inch = 25.0 ft.

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80



