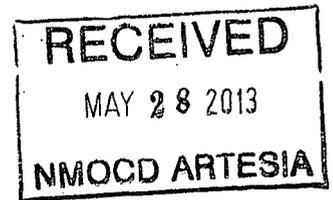




PHOENIX
TECHNOLOGY SERVICES

May 8, 2013



Apache Corporation
Attention: Vicki Brown, Drilling Tech II, Regulatory Department
303 Veterans Airpark Lane, Suite 3000,
Midland, TX 79705

Re: Apache Corporation
Crow Federal #10H
Eddy Co., NM
API #30-015-40574
Job No. 1310298

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 | Drainhole Number | Surveyed Depths | | Dates Performed | | Type of Survey |
|------------------|------------------|-----------------|-------|-----------------|----------|----------------|
| | | From | To | Start | End | |
| Brad Hill | 10H | 629 | 9,710 | 04/19/13 | 05/06/13 | MWD |

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

Best Regards,

Kelly Jo Walter

Kelly Jo Walter
Operations Administrator



PHOENIX
TECHNOLOGY SERVICES

May 8, 2013

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Apache Corporation
Crow Federal #10H
Eddy Co., NM
API #30-015-40574
Job No. 1310298

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

| Name & Title of Surveyor | Drainhole Number | Surveyed Depths | | Dates Performed | | Type of Survey |
|--------------------------|------------------|-----------------|-------|-----------------|----------|----------------|
| | | From | To | Start | End | |
| Brad Hill | 10H | 629 | 9,710 | 04/19/13 | 05/06/13 | MWD |

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Kelly Jo Walter

Kelly Jo Walter
Operations Administrator

Certified mail receipt number: 7011 1570 0001 4364 9704

**Phoenix Technology Services
SURVEY DATA CERTIFICATION**



PHOENIX JOB NUMBER **1310298**

OPERATOR **Apache Corp**

WELL NAME **Crow Federal #10H**

COUNTY & STATE **Eddy, NM**

API WELL NUMBER **30-015-40574**

PROPOSED DIRECTION **89:57**

| TIE-IN DATA | | | | | | |
|----------------|----------------|--------|---------|-----------|-----------|-------------|
| MEASURED DEPTH | VERTICAL DEPTH | INCLIN | AZIMUTH | N-S COORD | E-W COORD | DATA SOURCE |
| ft | .00 ft | .0 ft | .0 ft | .00 ft | .00 ft | Surface |

| FIRST SURVEY DATE | FIRST SURVEY DEPTH | INCLIN | AZIMUTH |
|-------------------|--------------------|--------|---------|
| 19-Apr-13 | 629 ft | 0.4 | 233.4 |

| SURVEY INSTRUMENT TYPE |
|------------------------|
| Phoenix MWD |

| LAST SURVEY DATE | LAST SURVEY DEPTH | INCLIN | AZIMUTH |
|------------------|-------------------|--------|---------|
| 6-May-13 | 9,710 ft | 86.5 | 88.9 |

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

| PROJECTED TD SURVEY DATE | PROJECTED TD SURVEY DEPTH | INCLIN | AZIMUTH |
|--------------------------|---------------------------|--------|---------|
| 6-May-13 | 9,765 ft | 86.5 | 88.9 |

Brad Hill

PRINT YOUR NAME ABOVE

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

| | |
|-----------------------|-------------|
| TOTAL CORRECTION USED | 7:55 |
| DECLINATION OR GRID | GRID |

5/6/2013

TODAY'S DATE

MWD SUPERVISOR 1 **Brad Hill**

DIRECTIONAL DRILLER 1 **Tim Owens**

MWD SUPERVISOR 2 **Matt Dice**

DIRECTIONAL DRILLER 2 **Ken Smith**