Form 3160-4 (October 1990)

## **UNITED STATES DEPARTMENT OF THE INTERIOR** BUREAU OF LAND MANAGEMENT

FOR APPROVED

OMB NO. 1004-0137

Expires December 31, 1991
5 LEASE DESIGNATION AND SERIAL NO

Farmington Field Office

| WELL C   | OMPLE                 | TION OR R                                      | ECOMPLET                                    | ION REPO                                    | ORT AND            | LOG <sup>£ Land M</sup>                        | नास्त्रकृत                              | NDIAN, ALLOTTE  | OR TRIBE NAME            |               |
|--|-----------------------|--|---|---|--------------------|--|---|---|--------------------------|---------------|
| 1a TYPE OF   |                       | OIL<br>WELL                                    | GAS Lag                                     | DRY Other                                   |                    |  |   |   | -                        |               |
| b TYPE OF COMPLETION   |                       |  |   |   |                    |  |   | IT AGREEMENT N  |                          |               |
|  | NEW X                 | WORK DEEP-                                     | PLUG<br>BACK                                | 8 FAI                                       | RM OR LEASE NA     |  |   |   |                          |               |
| a NAME O   | F OPERATO             | -  |   |   |                    |  | 9 AP                                    | VAL<br>I WELL NO  | DEZ 7M                   |               |
|  |                       |  | Gas Company                                 |   | 30-03              |  |   |   |                          |               |
|  | S AND TELE            |  | 187499 (505)                                | 10 FI                                       | ELD AND POOL, O    |  |   |   |                          |               |
|  |                       | ), Farmington, NN<br>(Report location clea     | rly and in accordance                       | 1   | EC,T,R,M,OR        | BLOCK AND SURVEY                               |   |   |                          |               |
| At surfac  | e L(                  | NW/SW), 1885' F                                | SL & 1228' FWL                              | C   | R AREA             |  |   |   |                          |               |
| At top prod interval reported below L (NW/SW), 2233' FSL & 702' FWL  |                       |  |   |   |                    |  |   | Sec. 28, T28N, R4W  |                          |               |
| At total depth L (NW/SW), 2233' FSL & 702' FWL   |                       |  |   |   |                    |  |   |   |                          |               |
|  |                       |  | 14  | PERMIT NO                                   | DATE ISSUE         | D  | 12 COUNTY OR PARISH                     |   | 13. STATE                |               |
|  |                       |  |   |   |                    |  | R                                       | io Arriba   | New Mexico               |               |
| 15. DATE SPU<br>08/10/   |                       | 08/26/10                                       | 17 DATE COMP                                | PL (Ready to prod ) 05/27/11                |                    | 18 ELEVATIONS (DF, R<br>GL 7364                |   |   | 19. ELEV CASINGHEAD      |               |
| 20 TOTAL DE  |                       |  | ACK T D , MD &TVD                           | 22 IF MULTIPLE CO                           |                    | 23 INTERVALS                                   |   | Y TOOLS   | CABLE TOOLS              |               |
| MD 884   | 15' / 8748' T         | VD   MD 88                                     | 08' / 8711' TVD                             | ноw м.<br><b>2</b>                          |                    | DRILLED BY                                     | I                                       | yes   | l                        |               |
| 24 PRODUCT   | TION INTERVA          | L (S) OF THIS COMPLE                           | TION-TOP, BOTTOM, NA                        | ME (MD AND TVD)                             |                    |  | •                                       | 25 WAS DIRECT<br>SURVEY MA                                    |                          |               |
|  |                       | de 6002' - 6707                                |   |   |                    |  |   | YES   |                          |               |
| 50 THE 2220 THO THE  |                       |  |   |   |                    |  |   | WAS WELL CORED NO.  |                          |               |
| 28.  |                       |  | C   | ASING RECORD (                              | Report all strings | s set in well)                                 |   |   |                          |               |
| GR/CCL/CNL/CBL         No           CASING RECORD (Report all strings set in well)           CASING SIZE/GRADE         WEIGHT, LB /FT.         DEPTH SET (MD)         HOLE SIZE         TOP OF CEMENT, CEMENTING RECORD         AMOUNT PULLED           9 5/8" / H-40         32.3#         233'         12 1/4"         Surface, 76sx(122cf-22bbls)         5bbls           5 T @ 3926',         ST @ 3926',         ST @ 3926',         Surface, 588sx(689cf-122bbls)         64bbls           4 1/2" / L-80 / J-55         11.6#         8843'         6 1/4"         TOC@5290', 285sx(573cf-102bbls)         TUBING RECORD |                       |  |   |   |                    |  |   |   |                          |               |
|  | 711 40                | 02.0"  |   |   |                    |  |   |   |                          |               |
|  |                       |  |   |   |                    |  |   |   | 64bbls                   |               |
|  | -00 7 3-55            |  |   | Q 1/4                                       |                    | 7, 2003X(070CI-102                             | ····                                    | I<br>IBING RECORD   |                          |               |
| SIZE   | TOP (MD)              | BOTTOM (MD)                                    | SACKS CEMENT*                               | SCREEN (MD)                                 | SIZE<br>2 3/8"     | DEPTH SET                                      |   | PA  | CKER SET (MD)            |               |
|  |                       |  |   |   |                    | 4.7# / L-80                                    |   |   |                          |               |
|  |                       | D (Interval, size and num<br>r Menefee wl .34" |   | 32<br>6404'-                                |                    | Acidize w/ 10bbls                              |   |   |                          |               |
| 1SPF @ 64  | 04'- 6707' =          | 25 Holes                                       |   |   |                    | Slickwater w/ 38,0                             | 012# 20                                 | /40 Brady Sa  | nd. N2:1,334,900SCF.     |               |
| 1SPF @ 60  |                       | nefee w/.34" dian<br>= 25 Holes.               | 1,  |   |                    |  |   |   |                          |               |
|  |                       |  |   |   |                    |  | water. Acidize w/ 15% of HCL. Frac'd w/ |   |                          |               |
| MV Total H   | 01es = 50             |  |   | ' -   |                    |  |   | uality N2 Slick Foam w/ 33,652# 20/40 nped 92bbls foam flush. |                          |               |
|  |                       |  |   | N2:1,165,000SCF.                            |                    |  | •                                       |   | 23242                    | 52627283      |
| 33   |                       | PRODUCTION                                     |   |   |                    |  |   |   | 12V ·                    | A CO          |
| DATE FIRST PE  | RODUCTION<br>12/02/10 | l l  | OWING                                       | g, gas lift, pumping—size and type of pump) |                    |  |   | WELL STATUS ()  | EIVED                    |               |
| DATE OF TEST   |                       | HOURS TESTED                                   |   | D'N FOR OILBI                               | BL                 | GASMCF   | WATE                                    | RBBL  |                          | s) 2011       |
| 05/2   |                       | 1hr.   | 1/2"  | <b>→</b>   (                                | 0 / boph           | 22 mcf / h                                     |   | 2 / bwph  | 1 1                      |               |
| FLOW TUBING  | PRESS                 | CASING PRESSURE                                | CALCULATED OI<br>24-HOUR RATE               | LBBL  | GASMCF             | WATERB   | BL                                      |   | OIL GRAVITY API (CORR.)) | IS DIA DIZI 3 |
| SI-12  |                       | SI-1149psi<br>Sold, used for fuel, vente       |   | 0 / bopd                                    | 532 mcf            | /d 4   | 16 / bw                                 |   | S. OIL CO.               |               |
| 34 DISPOSIT  | TION OF GAS (         | To be sold                                     | n, erc )                                    |   |                    |  |   | TEST WITNESSE   | 2 13 13 PA               | 1101681       |
|  | ATTACHMENTS           | i i  | colo comminato d                            | well under DU                               | C ardor 21EC       | A 7  |   |   |                          | BBOL          |
|  |                       |  | kota commingled<br>ormation is complete and |   |                    |  |   |   |                          |               |
| SIGNED TITLE Staff Regulatory Technicain   |                       |  |   |   |                    |  | DATE                                    |   | 67/12/11 FOR             | RECORD        |
|  | 10                    | <i>1</i> 1 '                                   |   | •   |                    | Data on Revers                                 |   | •   | JUL 2 0 2                | 2011          |
|  |                       | 11 '   |   | • .   | •                  | ike to any departme<br>atter within its jurisd | -                                       | jency of the  | ior incremental          | naction       |
| 3  |                       |  |   |   | -                  | ere added to th                                |   | saverde. 🧗  | ARMHIGTON FIELD          | impries       |
|  |                       | \ /  |   |   |                    |  |   | Ŕ   | 18 710                   |               |

| API # 30-039-30496   |       | _     | Valdez 7M  |                  |       |
|----------------------|-------|-------|--|------------------|-------|
| Ojo Alamo            | 3800' | 3944' | White, cr-gr ss.   | Ojo Alamo        | 3800' |
| Kirtland             | 3944' | 4212' | Gry sh interbedded w/tight, gry, fine-gr ss.   | Kırtland         | 3944' |
| Fruitland            | 4212' | 4407' | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.                     | Fruitland        | 4212' |
| Pictured Cliffs      | 4407' | 4512' | Bn-Gry, fine grn, tight ss.  | Pic.Cliffs       | 4407' |
| Lewis                | 4512' | 5048' | Shale w/siltstone stringers  | Lewis            | 4512' |
| Huerfanito Bentonite | 5048' | 5384' | White, waxy chalky bentonite   | Huerfanito Bent. | 5048' |
| Chacra               | 5384' | 5996' | Gry fn grn silty, glauconitic sd stone w/drk gry shale                                     | Chacra           | 5384' |
| Mesa Verde           | 5996' | 6264' | Light gry, med-fine gr ss, carb sh & coal  | Mesa Verde       | 5996' |
| Menefee              | 6264' | 6562' | Med-dark gry, fine gr ss, carb sh & coal   | Menefee          | 6264' |
| Point Lookout        | 6562' | 6992' | Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation             | Point Lookout    | 6562' |
| Mancos               | 6992' | 7767' | Dark gry carb sh.  | Mancos           | 6992' |
| Gallup               | 7767' | 8535' | Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg, interbed sh       | Gallup           | 7767' |
| Greenhorn            | 8535' | 8592' | Highly calc gry sh w/thin lmst.  | Greenhorn        | 8535' |
| Graneros             | 8592' | 8666' | Dk gry shale, fossil & carb w/pyrite incl.   | Graneros         | 8592' |
| Dakota               | 8666' | 8845' | Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks | Dakota           | 8666' |

.

· .

