Form 3160-4 (October 1990)

CINU (Dec

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other Instructions on FOR APPROVED

OMB NO. 1004-0137 Expires: December 31, 1991

LEASE DESIGNATION AND SERIAL NO

| WELL CO | OMPL | ETIO | N OR I | RECOMP | LETION F | REPO | RT AND L | OG* | | 6 IF | INDIAN, ALLOTTI | EE OR TRIBE NAME | | |
|--|---|--------------|----------------------------|-------------------------------------|-----------------------|--|--|-----------------------|--------------------------------|--|---|-------------------------|--|--|
| 1a TYPE OF V | | | METT OIF | GAS X | | Other | | | | 1 | | | | |
| | | | | | | | 7 U | 7 UNIT AGREEMENT NAME | | | | | | |
| b. TYPE OF COMPLETION: NEW V WORK DEEP. PLUG DIFF DI | | | | | | | | 8 F/ | 8 FARM OR LEASE NAME, WELL NO. | | | | | |
| | MELL [| OVER | EN | BACK | RESVR | Other | | | - | | | hes 10 B | | |
| 2 NAME OF | OPERAT | OR | | | | | | | ···· | 9 Ai | PI WELL NO. | 100 100 | | |
| | | | | OIL & GAS CO | MPANY, LP | | | | | | 30-045-34510 | | | |
| 3 ADDRESS | | | NO. I ngton, N i | M 07400 (F | (05) 326-970 | 20 | | | | | 10 FIELD AND POOL, OR WILDCAT Blanco MV/Basin DK | | | |
| 4 LOCATION | OF WE | L (Report | location cle | arty and in accor | dance with any 5 | State requ | urements)* | | | | 11 SEC., T, R, M, OR BLOCK AND SURVEY | | | |
| At surface | | | | 0' FSL & 1040 | _ | · | , | | | 1 | OR AREA | | | |
| At top prod | i. interval | reported be | elow | Same as abo | ve | | | | | Sec. 3, T27N, R9W, NMPM RCVD JUN 16 'OB | | | | |
| At total dep | oth S | ame as a | above | | | | | | | OIL CONS. DIV. DIST. 3 | | | | |
| | | | | | 14. PERMIT NO | Э. | DATE ISSUED | | | 12. (| COUNTY OR | 13. STATE | | |
| | | | | | | | 1 | | | 1 | PARISH San Juan | New Mexico | | |
| 15 DATE SPUD | DED 16 | | D REACHED | T . | COMPL. (Ready I | prod) | ` | | TIONS (DF, RKB, F | | TC.}* | 19. ELEV. CASINGHEAD | | |
| 2/4/08 20 TOTAL DEP | TH MD 8/ | 2/13/ | | ACK T D , MD &T | 3/08_ VD 22, IF MU | TIBLEC | MPI | GL 23. INTERV | 6370' | KB | 6386' | CABLE TOOLS | | |
| 20 TOTAL DET | 111, 1412 (4) | | 27. 1200,1 | SACK TO , IND QT | 122.11 140 | HOW N | | DRILL | | | 11 10023 | | | |
| 6990' | NI WATER | (A) (C) (C) | 6986 | | TOM, NAME (MD A | 2 | | <u> </u> | | yes | 1 | | | |
| 24. PRODUCTIO | ON INTERV | AL (S) OF | THIS COMPL | ETION-TOP, BOT | OM, NAME (MD A | י(טעד טא | | | | | 25. WAS DIRECT | | | |
| Blanco | | | 4434' - 4 | 852' | | | | | | | <u> </u> | No | | |
| 26. TYPE ELECT | | OTHER LO | GS RUN | | | | | | | 27 WAS WELL CORED | | No | | |
| | COL | | | | CASING | DECOR | D (Report all string | a set m week | | <u> </u> | | NO | | |
| 28. CASING SIZE/ | GRADE | WEIGH | T, LB./FT. | DEPTH SET | | SIZE | | |) ENTING RECORD | | AI | MOUNT PULLED | | |
| 9 5/8" H-4 | 10 | 32.3# | | 243' | 12 1/4" | 12 1/4" surface; 170 sx (218 cf) | | | | | 18 bbls | | | |
| 7" J-55 4 1/2", J- | EE | 20# 2: | 3# 11.6# | 4299' 6989' | 8 3/4" 6 1/4" | | surface, 638 sx TOC 9730 ; 200 | | | | 80 bbls | | | |
| 29. | | 10.0% | LINER R | | 10 1/4 | | 3870 | 3A (70 | CI | TUB | ING RECORD | | | |
| SIZE | TOP (MD | ВОТ | TOM (MD) | SACKS CEME | NT SCREE | N (MD) | SIZE | | DEPTH SET | | | CKER SET (MD) | | |
| | | | | | | | 2-3/8" | | 6890' | | | | | |
| 31 PERFORATI | ON RECO | RD (Interval | , şıze and nur | mber) | 32. | | LAC | ID SHOT | FRACTURE, CE | MENT | SQUEEZE ETC | | | |
| | | , . | | • | | 4434' - 4852' Acidize- Spearhead 10 | | | | | bbls 15% HCL. Frac- pumped | | | |
| @1SPF | | 40.41 | | | | 10500 gal 60Q Slickwa 100000# 20/40 Brady s | | | | ter/foam pad. Pumped approx. | | | | |
| PLO/ LMF 48 Total holes | | 434 | | | | | | 100000# | 20/40 Brady s | and. | | | | |
| | | | | | | | | | | | | | | |
| 33. DATE FIRST PROI | DUCTION | | PRODUC | TION METHOD (A | lowing gas lift pun | | PRODUCTION and type of pump) | | | | IWEIT STATIST | Producing or shut-in) | | |
| SI W/O Facili | | i | | (| Flowin | | and type of pumpy | | | | SI | roughly of oral ary | | |
| DATE OF TEST | | HOURS TO | ESTED | CHOKE SIZE | PROD'N FOR | OIL-BI | BL | GASMCF | | | R-BBL | GAS-OIL RATIO | | |
| 5/29/08 | | | 1 | 1/2" | TEST PERIOD | 1 | | 45.63 m | ct | | | | | |
| FLOW TUBING PR | RESS. | I | • | CALCULATED | OILBBL | | GASMCF | 70.00 111 | WATER88 | L | | OIL GRAVITY-API (CORR.) | | |
| 0.0 | | 4045 | | 24-HOUR RATE | | | 4000 444 | | | | | | | |
| | 0# 434# 1095 mct/d 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | | | | | | | | L | | TEST WITNESSED BY | | | |
| To be so | id. W/ | O facilit | les to be | set before | first product | lon. | | | | | | | | |
| 35. LIST OF ATT | | | ~ DUC ~- | | A7 | | | | | | | | | |
| | | | | r order #2781 formation is compl | | letermined | from all available rec | ords | | | | | | |
| SIGNED | <u>م</u> م | | | Wor III | | , | chnician | | | DATE | 6/11/08 | | | |
| | | | | | | | | | | | | | | |

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

JUN 1 2 2008

FARMINGTON FIELD OFFICE
BY TE SOLVERS

NMOCD 6

RECEIVED

JUN 1 1 2008

Bureau of Land Management Familington Field Office

| £, Ç | | - ; | | | | • | n S | |
|---------|-----|------|----------------------|-------|---------------|---|------------------|------|
| ٠ | `:. | 4 | Ojo Alamo | 1476′ | 1590′ | White, cr-gr ss. | Ojo Alamo | 1476 |
| | | : | Kirtland | 1590' | 2203′ | Gry sh interbedded w/tight, gry, fine-gr ss. | Kirtland | 1590 |
| | ** | جر | Fruitland | 2203′ | 2447′ | Dk gry-gry carb sh, coal, grn silts, light- | Fruitland | 2203 |
| | ÷-, | 5.27 | Pictured Cliffs | 2447′ | 2538′ | med gry, tight, fine gr ss. Bn-Gry, fine grn, tight ss. | Pic.Cliffs | 2447 |
| ; | | • | Lewis | 25381 | | Shale w/siltstone stringers | Lewis | 2538 |
| | | | Huerfanito Bentonite | | 3354′ | White, waxy chalky bentonite | Huerfanito Bent. | , |
| | | | Chacra | 3354' | 4000′ | Gry fn grn silty, glauconitic sd stone | Chacra | 3354 |
| | | | | | | w/drk gry shale | Mesa Verde | 4000 |
| | | | Mesa Verde | 4000′ | 4110' | Light gry, med-fine gr ss, carb sh | Menefee | 4110 |
| | | | | | | & coal | Point Lookout | 4706 |
| | | | Menefee | 4110' | 4706' | Med-dark gry, fine gr ss, carb sh & coal | Mancos | 5077 |
| | | | Point Lookout | 4706' | 5077' | Med-light gry, very fine gr ss w/frequent | Gallup | 5904 |
| | | | | | | sh breaks in lower part of formation | Greenhorn | 6671 |
| | | | Mancos | 5077′ | 5904′ | Dark gry carb sh. | Graneros | 6629 |
| | | | Gallup | 5904′ | 6671′ | Ltary to brn calc carb micac glauc | Dakota | 6770 |
| | | | · - | | | silts & very fine gr gry ss w/irreg.interbed sh | | |
| | | | Greenhorn | 6671′ | 6629′ | Highly calc gry sh w/thin lmst. | | |
| | | | Graneros | 6629′ | 6770 <i>'</i> | Dk gry shale, fossil & carb w/pyrite incl. | | |
| | | | Dakota | 6770′ | · · | Lt to dk gry foss carb sl calc sl silty | | |
| | | | | | | ss w/pyrite incl thin sh bands clay & shale break | cs | |

15 20 Nese

Form 3160-4

(October 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other in-structions on

FOR APPROVED OMB NO. 1004-0137

Expires. December 31, 1991

| 5 | LEASE DESIGNATION | AND SERIAL NO. |
|---|-------------------|----------------|
| | USA SF-0780 | 50 |

| | | | | | | | | | | | USA SF-07 | | |
|-----------------------|----------------|---------------------|----------------|--|-------------|----------------------|------------------------------------|-----------------------|-------------------|--|--|-------------------------|--|
| WELL (| COMP | LETIO | N OR I | RECOMP | LETI | ON REPO | ORT AND L | .OG* | | 6 IF | FINDIAN, ALLOTTI | EE OR TRIBE NAME | |
| la TYPE O | F WELL. | | OIL | GAS WELL X | (| DRY Other | | | | 1 | | - | |
| b TYPE OF COMPLETION: | | | | | | | | 7 UNIT AGREEMENT NAME | | | | | |
| 0 IASEO | NEW T | WORK | DEEP- | PLUG | , | DIFF 🔲 | | | | ۔ ا | ARM OR LEASE N | ANE MELLINO | |
| | WELL 4 | OVER | EN | BACK _ | | RESVROther | | | _ | 0. 7 | | | |
| - NAME O | E OPERA | | | | | | | | | | Hug PI WELL NO. | hes 10 B | |
| 2 NAME O | | | NIBCES (| DIL & GAS CO | OMPAN | VID | | | | 30-045-34510 - 0001 | | | |
| 3 ADDRES | | | | OIL & GAS CO | JINIF AUT | 1, LF | | | | 10 1 | FIELD AND POOL | OR WILDCAT | |
| | | | ington, N | M 87499 (5 | 505) 32 | 26-9700 | - | | | Blan | co MV/Basi | n DK | |
| 4. LOCATIO | ON OF WE | LL (Report | location cle | arly and in acco | rdance w | nth any State red | quirements)* | | | | 11 SEC , T , R., M., OR BLOCK AND SURVEY | | |
| At surfac | e t | Jnit L (NV | VSW) 133 | 0' FSL & 1040 |) FWL | | | | | OR AREA | | | |
| At top pr | od interval | reported b | elow | Same as abo | ove | | | | | Sec. 3, T27N, R9W, NMPM RCVD JUN 16 '08 | | | |
| 44.4-4-1 | | · | - h | , | | | | | | OIL CONS. DIV. | | | |
| At total d | iepun a | Same as a | above | | | | | | | DIST. 3 | | | |
| | | | | | 14. PE | RMIT NO. | DATE ISSUEI | Ď | | | | 13 STATE | |
| | | | | | 1 | | | | | l | San Juan | New Mexico | |
| 15 DATE SP | 1 | | D. REACHE | | | (Ready to prod.) | | • | TIONS (DF, RKB, F | | • | 19. ELEV CASINGHEAD | |
| 2/4/08 20 TOTAL D | | 2/13/ | | 6/ BACK T.D., MD &T | /3/08 | 22. IF MULTIPLE | OMPI | GL 23. INTER | 6370' | KB | 6386' | CABLE TOOLS | |
| ZU TOTAL DI | Licitor, MU & | | | 2000 1.D., MID 01 | 1 | | MANY* | | VALS ED BY | - AUTAI | T. 100L3 | CHOLE TOULS | |
| 6990' | | | 6986 | | | 2 | | | | yes | | | |
| 24. PRODUC | TION INTER | VAL (S) OF | THIS COMPL | ETION-TOP, BOT | TOM, NAM | ME (MD AND TVD) | • | | | | 25. WAS DIRECT | | |
| Basin | Dakota | | 6777'- 6 | 880' | | | | | | | 00114271111 | No | |
| 26. TYPE ELE | | | GS RUN | | | | | | | 27 W | S WELL CORED | | |
| GR/C | CL/CBL | | | | | | | | | | | No | |
| 28. | | | | | | | RD (Report all string | | | | | | |
| 9 5/8" H | | 32.3# | IT, LB./FT. | DEPTH SET | | HOLE SIZE | surface: 170 s | | (218 cf) | | 18 bbls | MOUNT PULLED | |
| 7" J-55 | | 20# 2 | | 4299' | | 3 3/4° | surface, 638 s | x (2544 cl |) (1323 cf) | | 80 bbls | | |
| 4 1/2°, | J-55 | 10.5# | 11.6# | 6989' | [6 | 5 1/4" | TOC 3759; 20 | | 7cf) | | | | |
| 29. | | | | RECORD | | | 3570 | | T | | ING RECORD | | |
| SIZE | TOP (ME |) BOI | TOM (MD) | SACKS CEMI | ENI | SCREEN (MD) | 2-3/8" | | DEPTH SET (| MD) | PA | CKER SET (MD) | |
| | <u> </u> | | | | | | | | 1000 | | | · | |
| 31 PERFORA | ATION RECO | RD (Interval | , size and nui | mber) | | 2 | A | | FRACTURE, CE | | | | |
| @1SPF | | | | | 16 | 5777' - 6880' | | | Spearhead 10 | | | | |
| 6850' - 688 | 30' = 7 h | oles | | | ⊢ | | | TLC | I SIICKWATER P | Pad, pumped approx 40000# 20/40 | | | |
| @2SPF | | | | | t | | | 1 | | | | | |
| 6838' - 677 | 77' = 30 | holes | | | | | | | | | | | |
| 33. DATE FIRST PE | RODUCTION | | PRODUC | CTION METHOD (| Flowing, ga | as lift, pumping-si. | PRODUCTION ze and type of pump) | | | | WELL STATUS (| Producing or shut-in) | |
| SI W/O Fac | ilities | | | | F | Flowing | | | | | SI | | |
| DATE OF TEST | | HOURS T | ESTED | CHOKE SIZE | PROD'N | | BBL | GASMCF | 1 | WAT | A8BL | GAS-OIL RATIO | |
| 6/3/08 | | 1 | 1 | 1/2" | | | | 26.67 m | cf | | | | |
| FLOW, TUBING | PRESS. | CASING P | RESSURE | CALCULATED | OILBE | BL | GASMCF | 120.07 111 | WATERB8 | | | OIL GRAVITY-API (CORR) | |
| • | | 1 | | 24-HOUR RATE | | | | | | | | | |
| 0# 34 DISPOSIT | ION OF GAS | 434# (Sold, used | for fuel, vent | ed, elc.) | Ц | | 640 mcf/d | | L | | TEST WITNESSE | n BY | |
| | | | | set before | first pr | oduction. | | | | | | | |
| 35. LIST OF A | | | | | | | | | | | · | | |
| | | | | r order #2781 | | | | | | | | | |
| 36 Thereby ce | eruty that the | roregoing a | ng attached in | romation is comp | ete and co | orrect as determine | ed from all available re | ecords | | | | | |
| CICNERA | Mar | 1 1 1 | Me | Me TIT | 16 6 | Regulatory Te | shaleian | | | D4T- | 611100 | | |
| SIGNED | ,,m | <i>-</i> | ,,,,,,,, | 111 | <u> </u> | regulatory 16 | CITICIAN | | | DATE | 6/11/08 | | |
| | | | | 1/0 a a l 4 - 1 | otlono | | for Additions | i Data | D | | | | |

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the RECEIVED United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORD

NWOCD

JUN 11 2008

Bureau of Land Management Farmington Field Office

| Ojo Alamo | 1476′ | 1590' | White, cr-gr ss. | ; Ojo Alamo | 1476′ |
|----------------------|-------|-------|---|------------------|-------|
| • | | | | _ | |
| Kirtland | 1590′ | 2203′ | Gry sh interbedded w/tight, gry, fine-gr ss. | Kirtland | 1590′ |
| Fruitland | 2203′ | 2447′ | Dk gry-gry carb sh, coal, grn silts, light- | Fruitland | 2203' |
| | | | med gry, tight, fine gr ss. | | |
| Pictured Cliffs | 2447′ | 2538′ | Bn-Gry, fine grn, tight ss. | Pic.Cliffs | 2447' |
| Lewis | 2538' | | Shale w/siltstone stringers | Lewis | 2538′ |
| Huerfanito Bentonite | | 3354' | White, waxy chalky bentonite | Huerfanito Bent. | , |
| Chacra | 3354′ | 4000' | Gry fn grn silty, glauconitic sd stone | Chacra | 3354′ |
| | | | w/drk gry shale | Mesa Verde | 4000′ |
| Mesa Verde | 4000′ | 4110' | Light gry, med-fine gr ss, carb sh | Menefee | 4110′ |
| | | | & coal | Point Lookout | 4706′ |
| Menefee | 4110′ | 4706' | Med-dark gry, fine gr ss, carb sh & coal | Mancos | 5077′ |
| Point Lookout | 4706' | 5077' | Med-light gry, very fine gr ss w/frequent | Gallup | 5904′ |
| | | | shoreaks in lower part of formation | Greenhorn | 6671′ |
| Mancos | 5077′ | 5904′ | Dark gry carb sh. | Graneros | 6629′ |
| Gallup | 5904′ | 6671′ | Ltigry to brn calc carb micac glauc | Dakota | 6770′ |
| | | | silts & very fine gr gry ss w/irreg.interbed sh | | |
| Greenhorn | 6671′ | 6629' | Highly calc gry sh w/thin lmst. | | |
| Graneros | 6629′ | 6770′ | Dk gry shale, fossil & carb w/pyrite incl. | | |

Lt to dk gry foss carb sl calc sl silty

ss w/pyrite incl thin sh bands clay & shale breaks

Section 1

Dakota

6770′