| | FORM 3160-4 | | ת | | NITED S | | FORM APPROVED OMB NO 1004-0137 | | | | | | | | | | | |
|-----------------------------|---|----------------------------|------------------|----------------------|------------------|--------------------|--------------------------------|------------------------|------------------------|-----------------------------|---------------------------------------|--|--|--|--|--|--|--|
| b 7 | DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT | | | | | | | | | | | Expires: March 31, 2007 | | | | | | |
| | TWEEL COMPLETION OR RECOMPLETION REPORT AND LOG | | | | | | | | | | | | 5 LEASE DESIGNATION AND SERIAL NO | | | | | |
| KEUL | | # | | | | | = | | | | Jicari | Ila Contract | 108 | | | | | |
| SEP 2 | 8 ZOTZ | Oil | Well X | Gas Well | Dry | Other | | | | 6 | INDIAN ALLOT | TEE OR TRIBE | NAME | | | | | |
| | | ion X | New Well | Workove | · [| Deepen | Plug Back | , [| Diff Res | vr | Jicari | lla Apache | Tribe | | | | | |
| Farmington | Field Offic | ᠸ - | | ш | _ | _ | LJ | _ | | 7 | UNIT AGREEM | en de la composition della com | 1071'12 | | | | | |
| Farmington Bureau of Lan | d Manager | (10) | Other | | | | | _ | | | | OIL CO | NS.DIV. | | | | | |
| | 2 Name of Operator | - | | | ****** | | | | | 8 | FARM OR LEAS | SE NAME 11. | The state of the s | | | | | |
| | EnerVest Ope | rating, L.L.0 | C. | | | | | | | | | | | | | | | |
| | 3 Address 3a Phone No (include area code) | | | | | | | | | | | Jicarilla C #2M | | | | | | |
| | | eet Ste. 800 | | 30-039-29927 | | | | | | | | | | | | | | |
| | 4. Location of Well | Report location | clearly and in a | cordance with Fe | ederal requirei | ments)* | | | | 10 FIELD NAME Basin Dakota | | | | | | | | |
| | At surface | | 150' FSI | . & 275' FW | /L, Sec 14 | T26N R05 | W (UL M) |) | | 1 | 11 SEC. T, R, M., OR BLOCK AND SURVEY | | | | | | | |
| | At top prod Interval a | reported below | | | | | | | | | AREA COUNTY OR | 6N R05W 13. STATE | | | | | | |
| | At total depth | , | | Sa | ame (verti | | | | | | | | | | | | | |
| | · | - | | | | | | | | | Rio Ar | | NM | | | | | |
| | 14 Date Spudded | 1: | 5. Date TD Ro | ached | 16 | Date Complete D & | | Ready to P | rod | 17. | ELEVATIONS | (DF, RKB, RT, C | GR, etc)* | | | | | |
| | 7/12/20 | 012 | 7 | /22/2012 | | Da | DEA A MAN DING | | | | 6962 | 5' KB | | | | | | |
| | 18 Total Depth. | MD | 7916' | | | MD | 7895' | | 20 Deptl | n Bridge Plug S | IND | | | | | | | |
| | | TVD | 7916' | <u> </u> | | TVD | 789 | 1 | | | TVD Yes (Submit analysis | | | | | | | |
| | Type Electric & other Logs Run (Submit a copy of each) GR/CCL/CBL 22. Was well cored? | | | | | | | | | | | | (Submit analysis) | | | | | |
| | | | | /RMT (nei | | | | | Was | DST run? | ST run? X No Yes (Submit report) | | | | | | | |
| | | | | (| , | | | | Direc | ctional Survey | anal Survey? No Y Yes (Submit copy) | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | 23 Casing Hole Size | and Liner Re | cord (Report | all strings se | et in well) (MD) | Type of S | lurry Vol (Bbl) | Cement Top | Amount Pulled | | | | | | | | | |
| | 12 1/4" | 9 5/8" J-55 | 36# | 0 | | Bottom(MD) 515' | | | 225 sx Ty | pe III | 56 bbls | Surf (circ |) | | | | | |
| | 8 3/4" 6 1/4" | 7" J-55/N-8 4 1/2" P-11 | | 23# 0 | | 3865' 7916' | 3189' | | 408 sx Ty 327 sx Ty | | 143 bbls 118 bbls | Surf (circ 3060' CBI | | | | | | |
| | | | | | | • | | | | | | | | | | | | |
| | 24. Tubing | Record Depth Set (N | AD) Pao | cr Depth (MD) | Size | l Don | th See (MD) | Postiar i | Depth (MD) | Size | Done | th Set (MD) | Packer Depth (MD) | | | | | |
| | 2 3/8" | 7714' | 10) 140 | KCI DCPIII (WID) | 3170 | Оср | Depth Set (MD) Packet | | Depth (WD) | 31/6 | Бері | ili Set (IVID) | racker Depart (WD) | | | | | |
| | | ing Intervals | | | | 26 | 26 Perforation Reco | | cord | | | | | | | | | |
| | | Formation | | | | m | Perforated Inteval Size | | | | | Perf. Status | | | | | | |
| | A) B) | Dakota | | 7655' | 1 | | 7656' - 78 | 7656' - 7872' | | 10" | 60 | Open | | | | | | |
| | C) | | | | 1 | _ | | | <u> </u> | _ | | | | | | | | |
| | D) | | | | | | | | | | | | | | | | | |
| | 27 Acid, Fracture Treatment, Cement Squeeze, Etc. Amount and Type of Material | | | | | | | | | | | | | | | | | |
| | 7656' - 7693' | epth interval | | 7.9 bbl 15% l | HCL, frac | w/88627# 20/ | 40 mesh san | | | | ckwater | | | | | | | |
| | 7776' - 7872' | | 1 | 7 9 bbl 15% | HCL, 1010 | 00# 20/40 sai | nd, N2 foam | using 41 | 43 bbls slic | kwater | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | tion- Interval | L A | | | | | | | | | | ··· | | | | | |
| | Date First Produced | Test Date | Hours Teste | d Test Production | Oil Bbl | Gas MCF | Water Bbi | Oil Gravit Corr API | | Gravity | ly Production Method | | | | | | | |
| | | 0.04.00.0 | | - | | | | | | | . | | | | | | | |
| | 9/16/2012 Choke Size | 9/24/2012 Tbg Press | Csg Press | 24 Hr Rate | Oil Bbl | Gas | Water | Gas Oil R | latio We | ell Status | Flowing | | | | | | | |
| | 48/64 | Flwg NA | 90 psi | | . 12 | мсғ 31 | Bbi 48 | | Pro | oducing | | | | | | | | |
| | 28a Produc | tion- Interval | В | | | | | | | | | | | | | | | |
| | Date First Produced | Test Date | Hours Teste | d Test Production | Ол Вы | Gas MCF | Water Bbl | Oil Gravit Corr API | | Gravity | Production Mo | Section 1 | 8 803 85 | | | | | |
| | Choke Size | Tbg Press | Csg Press | 24 Hr. Rate | Oil Bbl | Gas | Water | Gas: Oil R | tatio W | cll Status | | | DUMMENT | | | | | |
| | | Flwg Si | | | | MCF | Вы | } | | | | CCI | 0 1 2012 | | | | | |
| | | L | | | | L | 1 | L | | | | | U 1 281/ | | | | | |

FRANKRIUN FELD OFFICE

| 28b Produc | tion- Inte | erval C | | | | | | | | | | | | |
|---|---|------------|----------------|------------|----------------------------|---|-------------|--------------|---------------|---|---------------|--|-----|--|
| Date First Produced | Test Date | | | | Test Production | | | Water Bbl | | iravity . API | Gas Gravity | Production Method | | |
| Choke Size | Tbg Press Flug SI | | Csy Press 24 I | | 24 Hr Rate | tate Oil Bbl Gas Water Gas: MCF Bbl | | Oil Ratio | Well Status | | | | | |
| | tion- Inte | erval D | | | | | | | | | | | | |
| Date First Produced | Test Date | | Hours Tested | | Test Production | Он ВЫ | Gas MCF | Water Bbl | | Dravity API | Gas Gravity | Production Method | | |
| Choke Size | Tog Press Csg Flwg SI | | | Press | 24 Hr. Rate | Oil Bbl | Gas MCF | Water Bbl | Gas. | Oil Ratio | Well Status | | | |
| 29 Dispositio | n of Gas | (Sold, 1 | ised | for fuel | , vented, etc | :.) | <u> </u> | | | | · | | | |
| 29 Disposition of Gas (Sold, used for fuel, vented, etc.) Gas sold with "Test Allowable" C-104 using green completion | | | | | | | | | | | | | | |
| 30 Summary of Porous Zones (include Aquifers) Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. | | | | | | | | | | | | | | |
| tested, cusinon | usca, mile | toor open, | 10001 | ig and sau | t-an pressures a | id recordings. | | | | <u> </u> | | | Ton | |
| Forma | tion | Top | , إ | Botto | om | Descript | ions Conten | ıts, Etc | | | Name | | Top | |
| Mesa Verde Cliffhouse Menefee Point Lookout Mancos Gallup Greenhorn Graneros Dakota | 5198 5239 5239 5672 5672 5827 5827 6817 6817 7563 7621 | | | | Sandst Sandst Sandst | one/Shale one Sandstone one one | | | | Cliffhouse Point Lool Greenhorr Dakota | kout | Measured Depth 5198' 5672' 7563' 7655' | | |
| 32. Additiona | ıl remark | s (inclu | de pl | lugging | procedure) | | | | | | | | | |
| 33. Indicate which items have been attached by placing a check in the appropriate boxes X Electrical/ Mechanical Logs (1 full set required) Geologic Report DST Report X Directional Survey Core Analysis Other | | | | | | | | | | | | | | |
| 34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* | | | | | | | | | | | | | | |
| Name (plea | se print) | Bart T | revi | no | | | · · · | Tu | le <u>As</u> | sociate Re | egulatory Ana | lyst | | |
| Signature | | | 2) | | | | | Da | te <u>9/2</u> | 28/2012 | | | | |

Title 18 U S C. Section 1001 and Title 43 U.S C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

FORA1 3160-4 (April 2004) UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO 1004-0137

OMB NO 1004-0137 Expires: March 31, 2007

LL COMPLETION OR RECOMPLETION REPORT AND LOG

5 LEASE DESIGNATION AND SERIAL NO

| W L | LL COM | PLE | HON | JK KEU | OMPLI | LIIU | IN KE | PUKI A | IND P | UG | | | LLASL | DESIGN | THOM AND S | LIGAL | ,10 |
|------------------------|-------------------|-----------|-------------------------|-------------------------|--|-------------|---------------------------------------|---------------------------------------|-------------------------|---------------------------------------|-------------|-----------------------|--------------------|--------------|-------------------|-------------|---|
| | | | | | | | | | CED | 28 | 201 | 2 | | Jicaril | la Contrac | xt 108 | |
| Type of Well | Oi | il Well | X Ga | ıs Well | Dry | | Other | Farm | ningto | n Fi | ield (| Office ⁶ | | N ALLOT | TEE OR TRIB | E NAM | E |
| | 7 | -, | F | ٦ | _ | ٦. | | ₽ureau | of La | nd þ | Mania | 19 31110 | | | | | |
| Type of Complet | ion [| X New | Well | Workover | L | Deepe | an i | Plug Back | Ĺ | ' | Diff. Resv | | ****** | | la Apache | Tribe | <u></u> |
| | | | | | | | | | | | | 1. | UNIT | AGREEME | RCVD (| T:T | 1:1:7 |
| | | | Other - | | | _ | | | | 1 | | | | | | | |
| Name of Operator | | | | | | | | | | | | | | | | | <u>.DIU.</u> |
| nerVest Ope | | C | | | | | | | | | | 8 | FARM | OR LEAS | ENAME [] | IST. | 7 |
| ici vest Ope. | aimg, c.c. | .C. | | | | | | | | | | | | lic | arilla C #2 | λΛ | |
| Address | | | | | | | 3a. | Phone No (incl | ude area c | nde) | | 9 | API W | ELL NO. | arma C #2 | .171 | |
| 1001 | Fannin St | reet St | e. 800, F | Houston, T | x 77002 | | | 713 | -495-53 | 355 | | ŀ | | 30 | -039-2992 | 27 | |
| Location of Well | (Report location | n clearly | and m accor | rdance with Fed | terat require | ments)* | | | | | | 10 | FIELD | NAME | | | |
| surface | | 15 | 0' FSL & | & 275' FW | I. Sec 14 | 4 T261 | N R05 | W (UL M) | | | | - | SEC | | CO Mesav | | VEV |
| ton and Istomal | | | 0 1020 | 22.0, | 2,000 | | | (02) | | | | | RAREA | | Sec 14 T2 | | |
| top prod Interval | геропов всюм | | | | | | | | | | | 12 | COL | JNTY OR | PARISH | 13 8 | STATE |
| total depth | | | | Sa | me (verti | ical we | ell) | | | | | | | | | | |
| | r | | | | <u>`</u> | | | | | | | +- | | Rio Arr | | <u> </u> | NM |
| Date Spudded | | 15 Date | t.D. Reach | hed | }'' | 6. Date | Complete | x1 08/28/2012 | | | | 17 | ELEV | ATIONS | (DF, RKB, RT | , GR, etc | c)* |
| | | | - | 20010 | | | D & | A X | Ready to P | rod | 1 | | | | | | |
| 7/12/20 Total Depth | | | | 2/2012 19. Plug back | TD | | | 700 | | 120 | Donah. | Bridge Plug | 6962' GL, 6975' KB | | | | |
| rotat Deptit | MD TVD | | 916' 916' | rang odel | | MD TVD | | 789: 789: | | 20 | - Бери | andge Plug Set MD TVD | | | | | |
| | | | | | | 140 | · · · · · · · · · · · · · · · · · · · | 707. | | Ш. | | | | | | | _ |
| Type El | ectric & oth | er Logs | | | | | | | 1 | 22 | Was v | vell cored? | Į: | x No | Yes | (Submi | t analysis) |
| | | | | R/CCL/CE | | | | | | | | | г | ٦., | | (C.1 | |
| | | | GR/I | RMT (neu | tron) | | | | | | was i | OST run? | Ŀ | X No | L] res | (Suomi | it report) |
| | | | | | | | | | | | Direct | ional Survey | ° [| No | X Yes | (Submi | t copy) |
| | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| Casing Hole Size | and Liner Re | | Report al Wt (#/ft.) | | (MD) | Botton | n(MD) | Stage Cemen | ter Depth | No o | of Sks & | Type of 1 | Slurry Vo | от (ВЫ) Т | Cement To | n*] | Amount Pulled |
| 12 1/4" | 9 5/8" J-5 | _ | 36# | 0 | , | 515' | | | | | 5 sx Ty | | 56 b | | Surf (cir | - | |
| 8 3/4" | 7" J-55/N- | | 23# | 0 | | 3865' 3189' | | | 9' | 408 sx Type III | | | | | Surf (cir | c) | |
| 6 1/4" | 4 1/2" P-1 | 10 | 11.6# | | | 79 | 16' | <u> </u> | | 327 | 7 sx Ty | oe III | 118 bbls | | 3060' CE | IL . | |
| Tubing | Record | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | i | · · · - | | |
| Size | Depth Set (| (MD) | Packer | Depth (MD) | Size | : | Dept | th Sct (MD) | Packer | Depth (| (MD) | Size | | Depth | Sct (MD) | Pac | ker Depth (MD) |
| 2 3/8" | 7714 | 1' | | | | | | · | | | | | - | | | \vdash | |
| | ng Intervals | | | - | • | | 26 | Perforation | Record | | | | | | | •— | |
| | Formation | | | Тор | Botto | | | | | | Sız | e | Holes | Perf. Status | | | |
| | Mesa Verde | | | 4823' | 582 | 7' | | 5202' - 56 | 5690' | | | 0,40" 66 | | 6 | Open | | |
| | | | | | | | | | | - | | | | | | | |
| | | | - | | | | | | | \dashv | | | | | | | |
| Acid Fr | acture Treat | ment (| Coment C | queeze Etc | <u> </u> | | | | | _1_ | | | | | | | |
| | epth Interval | anent, C | ement 3 | queeze, EIC | | | | | Amount a | nd Typ | e of Mate | nai | | | | | |
| 202' - 5232' | | | 17.9 | 9 bbl 15% H | CL, frac w | /83162 | 2# 20/4 | 0 mesh sand | | | | | water | & 778 n | nscf N2 | | |
| 563' - 5690' | | ** | | | | | | h sand, N2 f | <u> </u> | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | ion- Interval | | | | | | | | | | | | | | | | |
| nte First oduced | Test Date | Ho | urs Tested | Test Production | Oil Bbl | Gas MCF | 7 | Water Bbl | Oil Gravit Corr API | | Gas | Gravity | Prodi | uction Mct | hod | | |
| 9/12/2012 | 9/16/201 | | 12 | _ | 0 | - 1 | 297 | 12 | | | | | Flov | wing | | | |
| ioke Size | Tbg Press Flwg | Csg | Press. | 24 Hr. Rate | Oil Bbl | Gas MCF | | Water Bbl | Gas Oil P | atio | Wel | l Status | | | | | |
| 24/64 | nwg NA | | 170 psi | - | 0 | | 594 | 24 | | | Pro | ducing | | | | | |
| a Product | ion- Interva | | 5~ | | <u> </u> | | | · · · · · · · · · · · · · · · · · · · | | | | | | A.Y. | an ess me trail | a e | an aus |
| ate First oduced | Test Date | Ho | urs Tested | Test Production | Oil Bbl | Gas MCI | | Water Bbl | Oil Gravit Corr. API | | Gas | Gravity | Produ | uction Met | Hodeson I has | P . W. | F1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. |
| | | - | | | | l'vici | • | | COII. API | | | | | | CCT | a i | ריחר ו |
| hoke Size | Tbg Press | Cst | Press | 24 Hr Rate | Oil Bbl | Gas | | Water | Gas Oil F | atio | Wel | l Status | | | - UU i | -0 | 00 W 8 In |

* See instructions and spaces for additional data on page 2)

| 78h Produc | tion Inte | erval C | | | | | | · | | | | | | |
|---|--------------------------|----------------------------|--------------------|-----------------|--------------------|------------------------------------|------------------|--------------------|------------|--|-----------------------|--------------------------|--|--|
| Date First | Test Date | | | | Test | Oil Bbi | Gas | Water | TO:LC | Gravity | Gas Gravity | Production Method | | |
| Produced |) Topi Date | | | | Production | 0 2 | MCF | ВЫ | | API | Joan Starry | | | |
| Choke Size | Tbg Press Flvg | • | Csg | Press | 24 Hr Rate | Rate Oil Bbl Ga | | Water Bbl | Gas | Oil Ratio | Well Status | <u></u> | | |
| | | | | | → | | | | . | | | | | |
| | tion- Inte | | | | | | | | | | | | | |
| Date First Produced | Test Date Ho | | | | Test Production | Oil Bbl Gas MCF | | Water Bbl | | Gravity r. API | Gas Gravity | avity Production Method | | |
| Choke Size | Tbg Press Csg Pres | | | Press | 24 Hr. Rate | ir. Rate Oil Bbl Gas Water MCF Bbl | | Gas | Oil Ratio | Well Status | - ! | | | |
| 29. Dispositio | | • | • | • | | • | | | | | | | <u> </u> | |
| Gas sold | with "Te | st Allov | vable' | " C-10 | 4 using gre | en completi | on | | | <u> </u> | | | | |
| 30. Summary Show all impo tested, cushion | rtant zones | of porosity | and co | ontents th | ereof Cored in | | drill-stem tests | i, including deptl | ı interval | 31 Form | nation (Log) Ma | rkers [.] | | |
| Forma | tion | Тор | \Box | Botto | | Docerin | tions Cont | onte Etc | | | Name | | Тор | |
| ronna | .1011 | тор | | Dono | "" | Descrip | tions Com | ents, Lic | | | | | Measured Depth | |
| N. C | | 4022 | | | | | | | | Cliffhouse | _ | | 5100 | |
| Mesa Verde | 1 | 4823 | | 198 | | tone/Shale | | | | Point Loo | | 5198' | | |
| Cliffhouse |) | 5198 | | 5239 | Sands | | | | | ŀ | | 5672' | | |
| Menefee | | 5239 | | 672 | ł | tone/Shale | | | | Greenhori Dakota | 1 | 7563' | | |
| Point Lookout | 1 | 5672 | - 1 | 827 | Sands | | | | | Dakota | | | 7655' | |
| Mancos | 1 | 5827 | - 1 | 5817 | ł | Sandstone | | | | | | | • | |
| Gallup | 1 | 6817 | 1 | 7563 | Sands | | | | | | | | | |
| Greenhorn | | 7563 | - 1 | 7621 | Limes | | | | | | | | | |
| Graneros | | 7621 | 7 | 7655 | Sands | tone | | | | | | | | |
| Dakota | | 7655 | - | | Sands | tone | | | | ļ | | | | |
| | | | Ì | | | | | | | | | | | |
| | | | Ì | | | | | | | | | | | |
| | | | | | | | | | | ļ | | | | |
| 32. Additional | l remarks | s (ınclud | le plu | gging | procedure) | | | | | <u>i </u> | | | | |
| | | | | 00 0 | , | | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 33 Indicate w | hich iten | ns have | been | attach | ed by placi | ng a check i | n the appro | opriate boxe | s: | | | | | |
| X Electrical | / Mechanica | d Logs (1 i | full set | required) |) | Ī | Geologic R | eport | | DST Re | port | X Directional Sur | vey· | |
| Sundry No | otice for plu | ipeine and | cement | verifica | tion | = | Core Analy | reie | | Other | | تت | | |
| | oco 101 pr- | 335 | | | | L | core : analy | 313 | | | | | | |
| 34. I hereby cert | tify that th | e forego | ing an | d attacl | ned informat | ion is comple | te and corre | ct as determin | ned from | all availabl | e records (see atta | ched instructions)* | | |
| Name (pleas | e print) | Bart Tr | revin | 0 | | | | Tst | le As | sociate Re | egulatory Ana | lvst | | |
| 4 1710 | | | | | 7 | | | | | | <u> </u> | <i>-</i> | | |
| Signature | | 1 | 2 | | | | | Da | | 28/2012 | | | | |
| Title 18 U S C Sectorepresentations as to | on 1001 an any matter | d Title 43 within its j | U.S.C jurisdict | Section tion | 1212, make it a | crime for any | person knowin | gly and willfully | to make | to any departm | nent or agency of the | United States any false, | fictitious or fraudulent ststements or | |

(Form 3160-4, page 2)