Form 3160-4 ∠ (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO 1004-0137 Expires July 31, 2010

FARMINGTON FIELD OFFICE

| | AAETI | COMP | PLETION | JK KEC | OMPLE | ION KE | PUKI | AND LOG | , | | ر ا | TO 15 | - 4 | |
|---|--|---|--|---------------------------------------|--|---|---|----------------------------------|--|-------------------|--------------------|-------------------------|-------------|--|
| a T | of Wall F | | | | 1.5 | | | | | | | JIC-15 | | an Taile Nome |
| а Туре | oi well | | ell 🗶 Gas | | Dry | Other | | | | | l° | II Indian, | Anotee | or Tribe Name |
| Туре | of Completion | - | New Well | ☐ Woi | rk Over | Deepen | | Plug Back | Diff | Resvr,. | . 7 | Unit or C | A Agree | ment Name and No |
| Name | of Operator | | | | | | | | | | 8 | Lease Na | me and V | Well No |
| IO En | ergy Inc. | . <u></u> | | | | | - 12 | DI V | | | | JICARI | IIA A | PACHE #11F |
| Addres | | | | | | | 1 | Phone No (1) | | , | 9 | API Well | No | |
| | | | M 87410 | d in accor | lance with | Endavalera | 4 20 100 | == n+505=3 | 33₹310 |) | _ | | | 2-00C1 |
| At surfa | on of Well (Rep | | | | unce with | E William | quirente b | | | | 10 | | | Exploratory |
| At Suite | 1210' | FNL & | 675' FWI | ı | | Λ | СТ 3 | 0 2007 | | | 11 | BASIN Sec. T. I | | r Block and |
| \ t top r | rod interval rej | aarted bel | low | | | U | CI W | 0 2001 | | | | Survey or | Area | |
| Tr top p | nou intervarie | orted be | .0 ** | | | | | d Managei | | | 12 | SEC 28 | | 13 State |
| At total | depth | | | | | Fam | nington | Field Office | æ | | | - | | |
| Date S | pudded | 15 Da | ate T D Read | ched | | 16 D: | ate Com | pleted | | | | IO ARRI | | NM RKB, RT, GL)* |
| | F | | | | | | D & A | [X] | Ready to | Prod | | | (,- | ,,, |
| 6/10 | /07 | 6, | /19/07 | | | | 10/2 | 4/07 | | | | 6467' | | |
| Total | Depth MD | 75 | 517' 1 | 9 Plug Ba | ick T.D. | MD | 74 | 70' | 20 De | th Brid | ge Plu | g Set N | 1D | |
| | TVD | | | | | TVD | | | | | | Т | 'VD | |
| Type l | Electric & Other | Mechan | ical Logs Rui | n (Submit c | opy of eacl | h) | | | 22 Was | well core | d? | X No | | Yes (Submit analysis) |
| | | | | | | | | | Was DST run | | | X No Yes (Submit report | | |
| ST/GR | | 1.70 | - 77 | - 11 | 1 | | | | Dire | ctional Su | ırvey ⁹ | X No | | Yes (Submit copy) |
| Casing | g and Liner Rec | ога (кера | ri all strings | set in well, | , | g, C | | | - | | | | | · · · · · · · · · · · · · · · · · · · |
| le Size | Size/Grade | Wt (#ft |) Top (MI | O) Botto | m (MD) | Stage Cen Dept | | No of Sks Type of Cer | | Slurry V (BBL) | | Cement | Top* | Amount Pulled |
| 1/4'' | 8-5/8" | 24# | | 3' | 74' | | | 275 | | | 0 | | | |
| /8" | 5-1/2 | 17# | | 75 | 17' | 4401 | 1 | 1311 | | | | 0 | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | j | | | | | |
| Tubin | g Record | | | | ······································ | | | | | | | | | |
| Size | Depth Set (i | MD) | Packer Depth (| MD) | Size | Depth Se | t (MD) | Packer Dep | oth (MD) | Size | , | Depth Se | t (MD) | Packer Depth (MD) |
| 3/8" | 7159' | | 10/24/0 | | | | | | | | | | | |
| Produ | cing Intervals | | | | | 26 Perfo | ration R | ecord | | | | | | |
| | Formation | | Тор | В. | ottom | D. | erforated | | | | | lo Holes | 1 | D C C |
| | | | | J. 10111 | r | circiated | Interval | | ıze | N | 0 110103 | | Perf Status | |
| | DAKOTA | | 7031 ' | 72 | 264' | | 10/1/ | | | 34'' | N | 33 | | 1 JSPF |
| | DAKOTA | | 1 | 72 | | | | | | | N | | | |
| | DAKOTA | | 1 | 72 | | re | | | | | N | | | |
| | DAKOTA | | 1 | 72 | | | | | | | N | | | |
| Acid, | DAKOTA Fracture, Treatr | nent, Cen | 7031' | | | Le | | | | | N | | | |
| Acid, | | nent, Cen | 7031' | | | | | | 0. | 34" | N | | | |
| | Fracture, Treatr | | 7031 ' | , Etc | 264' | | 10/1/ | /07 Amount and 1 | O. | 34" erial | | 33 | als 70 | |
| | Fracture, Treatr Depth Interval | | 7031 ' ment Squeeze 10/1/ | , Etc /07 A . v | 264' | gals 1 | 10/1/ 5% NE | /07 Amount and 1 | O. Type of Mar | 34" erial | | 33 | als 70 | 1 JSPF |
| | Fracture, Treatr Depth Interval | | 7031 ' ment Squeeze 10/1/ | , Etc /07 A . v | 264' | gals 1 | 10/1/ 5% NE | /07 Amount and T | O. Type of Mar | 34" erial | | 33 | | 1 JSPF |
| | Fracture, Treatr Depth Interval | | 7031 ' ment Squeeze 10/1/ | , Etc /07 A . v | 264' | gals 1 | 10/1/ 5% NE | /07 Amount and T | O. Type of Mar | 34" erial | | 33 | K | 1 JSPF Q Purgel III |
| 703 | Fracture, Treatr Depth Interval | | 7031 ' ment Squeeze 10/1/ | , Etc /07 A . v | 264' | gals 1 | 10/1/ 5% NE | /07 Amount and T | O. Type of Mar | 34" erial | | 33 | K | 1 JSPF OQ Purgel III CONC DZU |
| 703 Produce e First | Fracture, Treatr Depth Interval 31' – 7264 | | 7031 ' ment Squeeze 10/1/ | , Etc /07 A. v)2 foam | 264' v/1,250 frac fl | gals 1 uid ca | 10/1/ 5% NEI | Amount and T FE HCl ac g 146,400 | O. Type of Mar | erial | w/7 | 33 | K | 1 JSPF Q Purgel III CVD NUV 1 '07 |
| 703 Produce | Fracture, Treatr Depth Interval B1' - 7264 ton - Interval A Test Date | Hours Tested | 7031 ' ment Squeeze 10/1/ LT \(\text{LT } \text | , Etc /07 A. v)2 foam | v/1,250 frac fl | gals 1 uid ca | 10/1/ 5% NE | Amount and 1 FE HCl ac g 146,400 | O. Type of Marid. F | erial | w/7 | 33 8,356 g | K was | 1 JSPF OQ Purgel III UVD WUV 1 'O'' II COMS DIV. DIST. 3 |
| 703 Produce e First duced | Fracture, Treatr Depth Interval 31' - 7264 tion - Interval A | Hours | 7031 ' ment Squeeze 10/1/ LT C | , Etc /07 A. v 02 foam | 264' v/1,250 frac fl | gals 1 uid ca | 10/1/ 5% NEI | Amount and TFE HCl acg 146,400 | 0. Type of Marid. F O# sand | erial | w/7 | 33 8,356 g | K | 1 JSPF OQ Purgel III UVD WUV 1 'O'' II COMS DIV. DIST. 3 |
| 703 Produce e First duced | Fracture, Treatr Depth Interval 31' - 7264 Fraction - Interval A Test Date 10/24/07 Tbg Press Flwg | Hours Tested 4 Csg Press | 7031 ' ment Squeeze 10/1/ LT C | Oil BBL O | Gas MCF 164 Gas MCF | gals 1 uid ca Water BBL 6 Water BBL | 10/1/ 5% NEI rrying | Amount and TFE HCl acg 146,400 | O. Type of Malvid. F O# sand Gas Gravity Well Status | erial rac'd | w/7 | 33 8,356 g | K was | 1 JSPF OQ Purgel III COD WOV 1 'O' II COMS DIV. DIST. 3 |
| Produce e First duced oke | Fracture, Treatr Depth Interval B1' - 7264 ton - Interval A Test Date 10/24/07 Tbg Press Flwg SI 350 | Hours Tested 4 Csg Press | 7031 ' ment Squeeze 10/1/ LT CC Test Production 24 | , Etc /07 A. v)2 foam Oil BBL 0 Oil | Gas MCF 164 Gas | gals 1 uid ca | 10/1/ 5% NEI rryina Oil Grac Corr A | Amount and TFE HCl acg 146,400 | O. Type of Malvid. F O# sand Gas Gravity Well Status | erial | w/7 | 33 8,356 g | K was | 1 JSPF OQ Purgel III UVD WUV 1 'O'' II COMS DIV. DIST. 3 |
| Producte First duced loke e 1/2' | Fracture, Treatr Depth Interval 31' - 7264' tion - Interval A Test Date 10/24/07 Tbg Press Fluwg SI 350 ction-Interval B | Hours Tested 4 Csg Press 600 | 7031 ' ment Squeeze 10/1/ LT CC Test Production 24 Hr | Oil BBL O | Gas MCF 164 Gas MCF 984 | gals 1 uid ca Water BBL 6 Water BBL 30 | 10/1/ 5% NEI rrying Oil Grac Corr A Gas (Ratio | Amount and T FE HCl ac g 146,400 | O. Type of Marxid. F O# sand Gas Gravity Well Status | erial rac'd | w/7 | 33 8,356 g Method | K was | 1 JSPF OQ Purgel III UVD WUV 1 'O'' II COMS DIV. DIST. 3 |
| Producte First duced oke e 1/2 a Producte First | Fracture, Treatr Depth Interval B1' - 7264 ton - Interval A Test Date 10/24/07 Tbg Press Flwg SI 350 | Hours Tested 4 Csg Press | 7031 ' nent Squeeze 10/1/ LT CC Test Production 24 Hr Test Production | Oil Oil Oil | Gas MCF 164 Gas MCF | gals 1 uid ca Water BBL 6 Water BBL | 10/1/ 5% NEI rryina Oil Grac Corr A | Amount and T FE HCl ac g 146,400 | O. Type of Malvid. F O# sand Gas Gravity Well Status | erial rac'd | w/7 | 33 8,356 g | K was | 1 JSPF OQ Purgel III UVU NUV 1 'O' II CONS DIU DIST. 3 |
| Producte First aduced oke | Fracture, Treatr Depth Interval B1' - 7264 ton - Interval A Test Date 10/24/07 Tbg Press Flwg S1 350 ction-Interval B Test | Hours Tested 4 Csg Press 600 | Test Production Test Production Test Test | Oil Oil Oil | Gas MCF 164 Gas MCF 984 | gals 1 uid ca Water BBL 6 Water BBL 30 | 10/1/ 5% NEI Oil Gra Corr A Gas (Ratio | Amount and 1 FE HCl ac g 146,400 | O. Type of Malarid. F O# sand Gas Gravity Well Status SH | erial rac'd | w/7 | 33 8,356 g Method | K was | 1 JSPF Q Purgel III CVD NUV 1'07 II COMS DIU DIST. 3 |

| Hours Tested Csg Press D Hours Tested Csg Press | Test Production 24 Hr | Oil BBL | Gas MCF | Water | Oil | | Donation Martina | | |
|---|--------------------------------|--|--|--|---|---|---|--|--|
| Press D Hours Tested Csg | | | | | Gravity Corr API | Gas Gravity | | | |
| Hours Tested | | Oıl BBL | Gas MCF | Water BBL | Gas Oil Ratio | Well Status | | | |
| Tested Csg | | 1 | | <u>l</u> | - | <u> </u> | | | |
| | | | Gas MCF | Water Oil BBL Gravity Corr API | | Gas Gravity | Production Method | | |
| 1 1 5 2 5 | 24 Hr | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio | Well Status | | | |
| d,used for j | fuel, vented, e | (c) | | TO BE | SOLD | <u> </u> | · · · · · · · · · · · · · · · · · · · | • | |
| Zones (Incl | ude Agusfers) | | | | | 31 Formati | on (Log) Markers | | |
| how 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 ecoveries. | | | | | | BURRO | 7289 7422 | | |
| Ton | D | | Dogge | intions Co | ntenta etc | | Тор | | |
| 10μ | вопот | | Descr | ірнопь, С0 | | | INAILIC | Meas Depth | |
| | | | | | | OJO ALAM | D SS | 2278 | |
| | | | | | | KIRILAND | SHALE | 2434 | |
| | | | | | | FRUITLAN | D FORMATION | 2481 | |
| | | | | | | LOWER FR | UITLAND COAL | 2784 | |
| | | | | | | PICTURED | CLIFF SS | 2836 | |
| | | | | | | LEWIS SH | ALE | 3021 | |
| | | | | | | CHACRA S | S | 3723 | |
| | | | | | | CLIFFHOU | SE SS | 4466 | |
| | | | | | | MENEFEE | | 4524 | |
| | | | | | | POINT LO | OKOUT SS | 5022 | |
| | | | | | | MANCOS S | HALE | 5412 | |
| | | - | | | | GALLUP S | S | 6096 | |
| | | | | | | GREENHOR | n is | 6940 | |
| | | | | | | GRANEROS SH | | 7001 | |
| | | | | | | 1ST DAKO | ma | | |
| | es of porosity tested, cushi | es of porosity and contents the tested, cushion used, time to the total trop and the total trop are total trop and trop are total trop and trop are total trop and trop are tr | es of porosity and contents thereof Co tested, cushion used, time tool open, fl | es of porosity and contents thereof Cored interval tested, cushion used, time tool open, flowing and s Top Bottom Descr | es of porosity and contents thereof. Cored intervals and all drill tested, cushion used, time tool open, flowing and shut-in pressi | es of porosity and contents thereof Cored intervals and all drill-stem tests, tested, cushion used, time tool open, flowing and shut-in pressures and | BURRO RESTRICT TOP Bottom Descriptions, Contents, etc OJO ALAM KIRTLAND FRUITLAN LOWER FR PICTURED LEWIS SH CHACRA S CLIFFHOU MANCOS S GAILUP S GREENHOR GRANEROS | BURRO CANYON SS tested, cushon used, time tool open, flowing and shut-in pressures and Top Bottom Descriptions, Contents, etc Name OJO ALAMO SS KIRTLAND SHALE FRUITLAND FORMATION LOWER FRUITLAND COAL PICTURED CLIFF SS LEWIS SHALE CHACRA SS CLIFFHOUSE SS MENEFEE POINT LOOKOUT SS MANCOS SHALE GALLUP SS GREENHORN LS | |

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