| Submit To Appropriate District Office Two Copies District I District II State of New Mexico Energy Minerals and Natural Resources Obstrict II | | | | | | | Form C-105 | | | | | | | | | |
|---|--|--|--|--|--|--|--|---|---|----------------|--|---|---|----------------------|----------------|--|
| District I | | | | Energy Minerals and Natural Resources | | | | | July 17, 2008 | | | | | | | |
| 1625 N. French Dr., Hobbs, NM 88240 District II | | | | | | | | | 1. WELL API NO. 30-041-20940 | | | | | | | |
| 1301 W. Grand Avenue, Artesia, NM 88210 | | | | Oil Conservation Division 7 201220 South St. Francis Dr. | | | | | 2. Type of Lease | | | | | | | |
| District III 1000 Rio Brazos Rd., Aztec, NM 87410 | | | | 101 | 4412 | 20 South S | t. Fran | cis I | Or. | | STA | | | ED/INDI | AN | |
| District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 | | | | | :OC | Santa Fe, N | VM 87 | 505 | | | 3. State Oil | | No. | | | |
| | | | HILL | DUC | MOL | ETION DE | DODT | A N I I | 2100 | | VB | 1609 | | | | |
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG 4. Reason for filing: | | | | | | | | | 5 Loosa Nan | ao on Unit Ac | roomsont N | | | | | |
| | Ü | | | | | | | | | | 5. Lease Nan | · | reement N | ame | | |
| 1 | | | | #1 through #31 for State and Fee wells only) | | | | | Pep 36 State 6. Well Number: | | | | | | | |
| #33: attach t | SURE AT his and the | TACHME a plat to the | NT (Fil C-144 c | l in boxe losure re | es #1 thr | ough #9, #15 Da accordance with | ate Rig Re | leased | l and #32 and VMAC) | l/or | | 2 | | | | |
| 7. Type of Comp | pletion: | | | | | | | | | | <u></u> | - | | | | |
| 8. Name of Opera | WELL L | <u>J WORKO</u> | VER _ | DEEPI | ENING | □PLUGBACI | K 🔲 DIF | FERE | NT RESERV | VOIF | | | | | | |
| 1 ' | | ergy Corpor | ation | | | | | | 9. OGRID 001092 | | | | | | | |
| 10. Address of O | | | | | | | | | * | | 11 Pool name or Wildcat | | | | | |
| · · · · · · · · · · · · · · · · · · · | | 73, Roswel | | | | · · · · · · · · · · · · · · · · · · · | 1 - | | P (C | | Wildcat Penn (97783) | | | | | |
| 12.Location | Unit Ltr | Section | n | Towns | hip | Range | Lot | | Feet from t | the | N/S Line | Feet from t | he E/W | Line | County | |
| Surface: | М | 3 | 6 | 55 | <u>; </u> | 33E | | | 330 | | S | 330 | V | V | Roosevelt | |
| BH: | 1115 | | | | | <u> </u> | <u></u> | 1 | | | | | | | | |
| 13. Date Spudded 06/30/10 | a 14. D | ate T.D. Re 08/20/10 | ched | 15. 1 | 07/25 Date | Released | | 16 | - | leted)/04/ | (Ready to Pro | duce) | | - | and RKB, | |
| 18. Total Measur | ed Depth | | | 19. F | | k Measured Dep | oth | 20 | | | I Survey Made | 2 21 T | RT, GR, etc.) 4267 GR Type Electric and Other Logs Run | | | |
| 81 | 02' | | | | 77 | 755' | | İ | | lo. | | 1 | | | , DLL, MSFL | |
| 22. Producing Int Upper Penn | | | letion - ' | Γop, Bot | tom, Na | ıme | | | - | | | | | | | |
| 23. | | | | | CAS | ING REC | ORD (| Ren | ort all st | rine | os set in w | ell) | | | | |
| CASING SI | ZE | WEIG | IT LB./I | | | DEPTH SET | | | DLE SIZE | 1111 | ~ | IG RECORD | T A | MOUNT | PULLED | |
| 8-5/8" | | | 24 | | | 2128' | | | 12.25 | | 86: | 5 sx | | 0 | · | |
| 5-1/2" | | | 17 | | | 7820' | | | 7.875 | | 200 sx 0 340 sx 0 | | | | | |
| | | | 1./ | | | 7020 | | | 7.073 | - | 340 | J SX | + | 0 | | |
| 24 | l | | | | | TR PROOFF | | | | | | | | | | |
| SIZE | TOP | _ | I BOT | ТОМ | LINI | ER RECORD SACKS CEMI | ENT ISO | CREEN | | 25. SI2 | | TUBING RE | | DACKI | TD OUT | |
| | 1.01 | | 100. | 10111 | SACKS CEMENT | | LIVI SC | SCREEN SI. | | 312 | 2-7/8" | 758 | | PACKE | 7587' | |
| | | | | | | | | | | | | - | | | 7307 | |
| | | | | | | | 27 | . AC | ID, SHOT, | ER | ACTURE, CE | MENIT SO | | | | |
| 26. Perforation | ` | | | , | | | @ 7790' DEPTH INTERVAL | | | 1 1/2 | | MILIVI, SQ | UEEZE, | ETC. | | |
| 7820'-8102 | 2', open h | ole, CIBP w | 35° cm | t @ 779 | | | DI | | INTERVAL | 1 102 | AMOUNT A | AND KIND M | | | | |
| 7820'-8102 7698'-7714 7670'-7673 | 2', open h 4', 32 hole 3', 7 shots | ole, CIBP w s, squeezed , CIBP @ 7 | 35° cm retainer | t @ 779 | | | DI 76 | 98'-77 | INTERVAL 714' | 1 102 | AMOUNT A 250 gals 15% | AND KIND M 6 NEFE Acid | | | | |
| 7820'-8102 7698'-7714 | 2', open h 4', 32 hole 3', 7 shots | ole, CIBP w s, squeezed , CIBP @ 7 | 35° cm retainer | t @ 779 | | | 76 76 | | INTERVAL 714' 573' | 110 | AMOUNT A 250 gals 15% | AND KIND M 6 NEFE Acid 6 NEFE Acid | | | | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 | 2', open he 4', 32 hole 3', 7 shots 51', 14 sh | ole, CIBP was, squeezed , CIBP @ 7 ots | 735' cm retainer 661' | t @ 7790 · @ 7692 | | | 76 76 76 PROD | 98'-77 70'-76 47.5'- | INTERVAL 714' 573' 7651' TION | | AMOUNT A 250 gals 15% 250 gals 15% | AND KIND M 6 NEFE Acid 6 NEFE Acid | | | | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 | 2', open he 4', 32 hole 3', 7 shots 51', 14 sh | ole, CIBP was, squeezed , CIBP @ 7 ots | 735' cm retainer 661' | t @ 7790 · @ 7692 | | wing, gas lift, pi | 76 76 76 PROD | 98'-77 70'-76 47.5'- | INTERVAL 714' 573' 7651' TION | | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% | AND KIND M 6 NEFE Acid 6 NEFE Acid | IATERIA | | | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 | 2', open he 4', 32 hole 3', 7 shots 51', 14 sh | ole, CIBP was, squeezed , CIBP @ 7 ots | 735° cm retainer 661° | t @ 7790 · @ 7692 | | | 76 76 76 PROD | 98'-77 70'-76 47.5'- | INTERVAL 714' 573' 7651' TION | | AMOUNT A 250 gals 159 250 gals 159 250 gals 159 Well Status | AND KIND M 6 NEFE Acid 6 NEFE Acid 6 NEFE Acid 5 (Prod. or Sh | IATERIA | | | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 28. | 2', open ho 4', 32 hole 3', 7 shots 51', 14 sh | ole, CIBP was, squeezed , CIBP @ 7 ots | 735° cm retainer 561° Producti | t @ 779 : @ 7692 on Meth | | wing, gas lift, pu Prod'n For | 76 76 76 PROD <i>umping</i> - S | 98'-77 70'-76 47.5'- | INTERVAL 714' 573' 7651' TION d type pump) |) | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% | AND KIND M 6 NEFE Acid 6 NEFE Acid 6 NEFE Acid 5 (Prod. or Sh | (ATERIA) | | il Ratio | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 28. Date First Produc | 2', open ho 4', 32 hole 3', 7 shots 51', 14 sh | ole, CIBP w s, squeezed , CIBP @ 7 ots | 735° cm retainer 561° Producti | t @ 7790 @ 7692 on Meth | nod (Flo | wing, gas lift, pı | 76 76 76 PROD <i>umping</i> - S | 98'-7' 170'-76 47.5'- UC ' Size an | INTERVAL 714' 573' 7651' TION d type pump) |) | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% Well Status Producin - MCF | AND KIND M 6 NEFE Acid 6 NEFE Acid 6 NEFE Acid 6 (Prod. or Sh ng Water - B | ut-in) | _ USED | | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 28. Date First Product 10/04/10 Date of Test 10/04/10 Flow Tubing | 2', open h. 4', 32 hole 3', 7 shots 51', 14 sh etion Hours | ole, CIBP ws, squeezed, CIBP @ 7 ots | 7 35° cm retainer ret | on Methoring ke Size | ood (Flo | wing, gas lift, pu Prod'n For | 76 76 76 PROD <i>umping</i> - S | 98'-77 70'-76 47.5'- UC' Size an | INTERVAL 714' 7673' 7651' TION d type pump) | Gas | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% Well Status Producin | AND KIND M 6 NEFE Acid 6 NEFE Acid 6 NEFE Acid 6 (Prod. or Sh ng Water - B | ut-in) | Gas - O | 58,5 <i>00</i> | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 28. Date First Produc 10/04/10 Date of Test | 2', open h. 4', 32 hole 3', 7 shots 51', 14 sh etion Hours | ole, CIBP was, squeezed, CIBP @ 7 ots Tested | 7 35° cm retainer ret | on Methologians (13/64) | ood (Flo | wing, gas lift, pu Prod'n For Test Period Oil – Bbl. | 76 76 76 PROD <i>umping</i> - S | 98'-77 70'-76 47.5'- UC' Size an | INTERVAL 714' 7673' 7651' TION d type pump) 22 – MCF | Gas | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% Well Status Producin - MCF 7136 Water – Bbl. | AND KIND M 6 NEFE Acid 6 NEFE Acid 6 NEFE Acid 6 (Prod. or Sh ng Water - B | ut-in) | Gas - O | 58,5 <i>00</i> | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 28. Date First Product 10/04/10 Date of Test 10/04/10 Flow Tubing Press. | 2', open held 1', 32 hole 3', 7 shots 51', 14 sh | Ole, CIBP w.s., squeezed, CIBP @ 7 ots Tested 106 Pressure 0 | 7 35' cm retainer 561' Producti F Cho | on Methors Size 13/64* culated 2 r Rate | ood (Flo | Prod'n For Test Period | 76 76 76 PROD <i>umping</i> - S | 98'-77 70'-76 47.5'- UC' Size an | INTERVAL 714' 7673' 7651' TION d type pump) | Gas | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% Well Status Producin - MCF 7136 | AND KIND M 6 NEFE Acid 6 NEFE Acid 6 NEFE Acid 6 (Prod. or Sh ng Water - B | ut-in) bl. ravity – A | Gas - O PI - (Cor | 58,5 <i>00</i> | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 28. Date First Product 10/04/10 Date of Test 10/04/10 Flow Tubing Press. 1700 29. Disposition of Sold | 2', open held, 32 hole 3', 7 shots 51', 14 shottion Hours Casing | Ole, CIBP w.s., squeezed, CIBP @ 7 ots Tested 106 Pressure 0 | 7 35' cm retainer 561' Producti F Cho | on Methors Size 13/64* culated 2 r Rate | ood (Flo | wing, gas lift, pu Prod'n For Test Period Oil – Bbl. | 76 76 76 PROD <i>umping</i> - S | 98'-77 70'-76 47.5'- UC' Size an | INTERVAL 714' 7673' 7651' TION d type pump) 22 – MCF | Gas | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% Well Status Producin - MCF 7136 Water – Bbl. | AND KIND M 6 NEFE Acid 6 (Prod. or Sh ng Water - B Oil G 30. Test Wit | uut-in) ravity – A | Gas - O PI - (Cor | 58,5 <i>00</i> | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 28. Date First Product 10/04/10 Date of Test 10/04/10 Flow Tubing Press. 1700 29. Disposition of Sold 31. List Attachme | 2', open hd', 32 hole 3', 7 shots 51', 14 sh etion Hours Casing | Tested 106 g Pressure 0 d, used for f | Producti F Cho Calc Hou | on Methors Size 13/64* culated 2 r Rate | ood (Flo | wing, gas lift, pu Prod'n For Test Period Oil – Bbl. | 76 76 76 PROD <i>umping</i> - S | 98'-77 70'-76 47.5'- UC' Size an | INTERVAL 714' 7673' 7651' TION d type pump) 22 – MCF | Gas | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% Well Status Producin - MCF 7136 Water – Bbl. | AND KIND M 6 NEFE Acid 6 (Prod. or Sh ng Water - B Oil G 30. Test Wit | ut-in) bl. ravity – A | Gas - O PI - (Cor | 58,5 <i>00</i> | |
| 7820'-8102 7698'-7714 7670'-7673 7647.5'-76 28. Date First Product 10/04/10 Date of Test 10/04/10 Flow Tubing Press. 1700 29. Disposition of Sold | 2', open held', 32 hole 3', 7 shots 51', 14 shottion Hours Casing on Grant Control C | Tested 106 g Pressure 0 d, used for f | Producti F Cho Calc Hou well, ventor | on Methology (a) 7692 on Methology (b) 7692 ke Size 13/64' culated 2 r Rate ed, etc.) | nod <i>(Flo</i> | Prod'n For Test Period Oil – Bbl. | DI 76 76 76 76 76 76 76 7 | 98'-7' 70'-76 47.5'- UC' Bize an 1 - Bbl | INTERVAL 714' 7673' 7651' TION d type pump) 22 – MCF | Gas | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% Well Status Producin - MCF 7136 Water – Bbl. | AND KIND M 6 NEFE Acid 6 (Prod. or Sh ng Water - B Oil G 30. Test Wit | uut-in) ravity – A | Gas - O PI - (Cor | 58,5 <i>00</i> | |
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| 7820'-8102 7698'-7714 7670'-7672 7647.5'-76 28. Date First Product 10/04/10 Date of Test 10/04/10 Flow Tubing Press. 1700 29. Disposition of Sold 31. List Attachme GR, CNL, FL 32. If a temporary 33. If an on-site bit | 2', open hd', 32 hole 1', 32 hole 3', 7 shots 51', 14 sh etion Casing Casing Coc, DLL, pit was u urial was | Tested 106 g Pressure 0 d, used for f MLL, Sonic sed at the was a square at the was a square at the was a square at the squar | Producti F Cho Calc Hou well, vento | on Methoring ke Size 13/64' culated 2 r Rate h a plat La | with the | Prod'n For Test Period Oil – Bbl. 27.6 | PROD mping - S oi | 98'-7': 70'-76' 47.5'- UC' 1-Bbi 1-Gas | INTERVAL 714' 7673' 7651' TION d type pump) 22 – MCF 1615 | Gas | AMOUNT A 250 gals 15% 250 gals 15% 250 gals 15% Well Status Producin - MCF 7136 Water – Bbl. 0 | AND KIND M 6 NEFE Acid 6 OF ON | ut-in) ravity – A nessed By | Gas - O PI - (Cor 60 | 58,5 <i>00</i> | |
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| | Southeaster | n New Mexico | Northwestern New Mexico | | | |
|-----------------|-------------|-------------------|-------------------------|------------------|--|--|
| T. Anhy | | T. Canyon | T. Ojo Alamo | T. Penn A" | | |
| T. Salt | | T. Strawn | T. Kirtland | T. Penn. "B" | | |
| B. Salt | | T. Atoka | T. Fruitland | T. Penn. "C" | | |
| T. Yates | 2048' | T. Miss | T. Pictured Cliffs | T. Penn. "D" | | |
| T. 7 Rivers | 2136' | T. Devonian | T. Cliff House | T. Leadville | | |
| T. Queen | 2524' | T. Silurian 7797' | T. Menefee | T. Madison | | |
| T. Grayburg | | T. Montoya | T. Point Lookout | T. Elbert | | |
| T. San Andres | 3098' | T. Simpson | T. Mancos | T. McCracken | | |
| T. Glorieta | | T. McKee | T. Gallup | T. Ignacio Otzte | | |
| T. Paddock | | T. Ellenburger | Base Greenhorn | T. Granite | | |
| T. Blinebry | | T. Gr. Wash 8016' | T. Dakota | | | |
| T. Tubb | 4430' | T. Delaware Sand | T. Morrison | | | |
| T. Drinkard | | T. Bone Springs | T. Todilto | | | |
| T. Abo | 6500' | T. | T. Entrada | | | |
| T. Wolfcamp | 7238' | T. | T. Wingate | | | |
| T. Penn | 7576' | T. | T. Chinle | | | |
| T. Cisco (Bough | (C) | T. | T. Permian | | | |

OIL OR GAS SANDS OR ZONES

| No. 1, fromto | No. 3, fromto |
|---------------|---------------|
| No. 2, fromto | No. 4, fromto |
| | |

IMPORTANT WATER SANDS

| Include data on rate of water inflow and ele | vation to which water rose in hole. | |
|--|-------------------------------------|------|
| No. 1, from | to | feet |
| No. 2, from | | |
| No. 3 from | to | |

LITHOLOGY RECORD (Attach additional sheet if necessary)

| | | - | TITIODOG I IMOOIM | (| | ***** | | |
|-------|-------|----------------------|--|---|------|-------|----------------------|-----------|
| From | То | Thickness In Feet | Lithology | | From | То | Thickness In Feet | Lithology |
| 2048' | 3098' | 1050' | Sand, Shale, Gyp, Salt, Anhy, Sitlstone, Mudstone | | | | | |
| 3098 | 4430' | 1332' | Dolomite, Shale, Anhy, Salt, Siltstone | | | | | |
| 4430' | 7238' | 2808' | Shale, Mudstone, Siltstone, Dolomite, Anhy, Gyp | | | | | |
| 7238' | 7797 | 559' | Dolomite, Limestone, Shale | | | | | |
| 7797 | 8102 | 305' | Dolomite, Shale, Chert, GW, Gr | | | | | |
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500 North Main Street, Suite 200 P.O. Box 1973 Roswell, New Mexico 88202-1973 (575) 625-2222

CONFIDENTIAL

October 6, 2010

Mr. Buddy Hill Oil Conservation Division 1625 French Dr. Hobbs, New Mexico 88240

Re:

Pep 36 State #2

Sec. 36-T5S-R33E

Roosevelt County, New Mexico

C-105 Confidentiality

RECEIVED

OCT 07 2010 HOBBSOCD

Dear Mr. Hill:

Armstrong Energy Corporation has made a significant discovery in southern Roosevelt County. Armstrong requests the OCD hold any and all information regarding this well "CONFIDENTIAL" for 90 days as per NMOCD rule 19.15.13.1105 "C". All documents submitted are clearly marked as "CONFIDENTIAL".

Should you have any questions or require any additional information regarding these reports, please contact me at 575-624-2800.

Sincerely,

Bruce A. Stubbs

Vice President - Operations