Form 3160-4 (February 2005)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007

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|--|---|-----------------|-----------|--------------|-----------------|------------------|--|-----------------|---------------------------------------|-------------------|-----------------|----------|------------------------------|---|----------------------|-----------|----------------------------|-------------|-------------------|---|
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG | | | | | | | | | | | | - | 5 Lease Serial No NM 4455 | | | | | | | |
| la. Type of b Type of | | | ıl Well | Z G w | as Well | Dry Deepen | Other | Rack | □ Diff | Resyr | | | | | 6 If I | ndiar | ı, Allottee or | Tribe | Name | = |
| о турсог | Completion | | her | | - OIR OVE | Веерен <u></u> | | Jack | — D | icesvi, | | | | Ī | 7 Un | it or (| CA Agreeme | nt Nan | ne and No. | - |
| 2. Name of SCHALK [| Operator DEVELOP | MENT | CO. | | | | | | | | | | | | | | ame and We 55 #200 | II No. | | - |
| 3 Address | P. O. BOX 25 ALBUQUER | | 97125 | | | | | | Phone N 05) 881 | lo (inclu | de area | a code |) | | 9. AF | I We | II No | 1 | | _ |
| | | | | early and | In accord | lance with Feder | al requi | | | -0048 | | | | | 10 F | ield a | nd Pool or E | xplorat | torv | - |
| | 1,945' F | NL & 1 | ,800' F | WL | | | | | | | | | | | BAS | IN F | RUITLAND | COA | \L | _ |
| At surfac | At surface 1,945' FNL & 1,800' FWL | | | | | | | | | | | | | 11 Sec, T., R, M., on Block and Survey or Area SECTION 3, T-3ON, 5-5W | | | | | | |
| At top pro | 1,945' FNL & 1,800' FWL At top prod. interval reported below | | | | | | | | | | | | - | | | or Parish | | 13. State | - | |
| At total depth 1,945' FNL & 1,800' FWL | | | | | | | | | | | | | RIO ARRIBA COUNTY NM | | | | | | | |
| 14 Date Sp 06/19/200 | udded | | 15. | | D. Reache 07 | d | | 16. Da | ate Comp | oleted 08 | | | | | 17 E 6,4 6 | | ons (DF, RI | ⟨B, RT | ', GL)* | _ |
| 18 Total D | | 3,32 | 1' | | 19 Pl | | MD 3 TVD | | 1 | | | | | lug Set | N | MD VD | | | * | _ |
| 21. Type E | | | anical Lo | ogs Run (| Submit co | | 110 | • | | 2 | 2. W | | | - | Z No | | Yes (Subn | | | - |
| NONE | | | | | | | | | | | | as DST | | | | |] Yes (Subn 7 Yes (Subn | | | |
| 23 Casing | and Liner R | tecord (| Report à | all strings | set in we | (1) | I a | | | | | | | | | | | T | | _ |
| Hole Size | Size/Gra | ade \ | Wt (#/ft |) To | p (MD) | Bottom (MD |) St | age Ce Dep | menter th | No o | f Sks of Cem | | | ıту Vol BBL) | | Cer | ment Top* | | Amount Pulled | |
| 12-1/4" | 9-5/8" J | | 6# | | FACE | 216.05' | _ | | | | Sacks G | | 62 | | | | FACE CIR | ···· | | _ |
| 8-3/4" | 7" J55 | 2 | 0# | SUR | FACE | 3,110.35' | | | | 530 Sa 35/V/P0 | | 5/ | 212 | | | SUR | FACE CIR | | JG 29 '07 | _ |
| | | | | | | | - | | | Type III | | nent | | - | \dashv | · | | | | _ |
| 6-1/4" | 5-1/2" K55 15.5# | | 3,034 | 4' | 3,321 | | | | 0 | | 0 | | | | | OIL | CO | VS. DIV. | _ | |
| 24. Tubing | Pecord | | | | | <u> </u> | | | 1 | | | l | · | | | | | hic | T. 3 | _ |
| Size | | Set (MD) |) Pac | cker Dept | h (MD) | Size | De | pth Set | (MD) | Packer D | epth (N | MD) | | Size | T | Dep | oth Set (MD) | | Packer Depth (MD) | _ |
| 2.375" | 3,269 | | <u> </u> | | | | | | | | | | | | | | | | | _ |
| 25. Producing Intervals Formation Top | | | | | Bottom | 26. | 26. Perforation Record Perforated Interval | | | Т | Size | | | No. Holes | | | Per | f. Status | _ | |
| A) FRUITI | | | | 3,248 | | 3,310' | 3,2 | 3,248' - 3,310' | | .50" | | 174 | | | OPEN | | | | _ | |
| B) | | | | | | | | | | | | | | | | | | | | |
| C) | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | _ |
| D) | | - | | | | | | | | | | | | | | | 1 | | 3 | |
| 27 Acid, F | racture, Treat Depth Inter | | Cement | Squeeze, | etc. | | | | A | mount a | nd Tvp | e of N | fateria | 1 | | | (9 | | Marks Name | _ |
| 3,248' - 3, | | | | NONE | | | | | | | | | | | | | water # | 77) | 1 | _ |
| | | | | | | | | | | | | | | | | | | i'il C'1 | ٠ | _ |
| | | ************ | | | | | | | | | | | | | | | 25.02 | i'd | 0 | |
| 28. Product | ion Intony | | L | | | | | | | | | | | | | | | | 5-10/10 | _ |
| Date First | | Hours | Test | t | Oil | | Water | | Oil Grav | rity | Gas | | P | roduction | on Me | thod | | | | |
| Produced | 8/15/07 | Tested | Proc | duction | BBL | MCF | BBL | | Corr AF | PI | Grav | vity | | | | | Ī | | ••• | |
| Choke | Tbg Press | Csg | 24 F | | Oıl | Gas | Water | | Gas/Oil | | Wel | II Statu | LL IS | | | | | | <i>→</i> | |
| Size | | Press. | Rate | | BBL | | BBL | | Ratio | | | | | | | | | | | |
| 28a. Produc | | | | | | | | | ···· | | | | | | | | | | | _ |
| Date First Produced | Test Date | Hours Tested | Proc | | Oil BBL | | Water BBL | | Oil Grav Corr AF | | Gas Grav | | P | roduction | on Me | thod | | | | |
| Choke Size | Tbg. Press. Flwg SI | Csg Press. | 24 F | | Oil BBL | | Water BBL | | Gas/Oil Ratio | | Wel | ll Statu | | HUT II | N | | | | | - |



ACCEPTED FOR RECORD

^{*(}See instructions and spaces for additional data on page 2)

| ction - Inte | rval C | | | | | | | | |
|-------------------------------|---|--|---|--|--|--|---|--|--|
| Test Date | Hours Tested | Production | Oıl BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method | |
| | | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oıl Ratio | Well Status | <u> </u> | |
| | | | | _l | | | | | |
| | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr API | Gas Gravity | Production Method | |
| | | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | | |
| ition of Gas | (Solid, use | ed for fuel, ve | nted, etc.) | VENTED | ······································ | ,,, , | · · · · · · · · · · · · · · · · · · · | | |
| ary of Poro | us Zones (| Include Aquit | fers) | | | | 31. Formati | on (Log) Markers | |
| | | | | | | | | | |
| Formation | | Top Bottom | | Descr | riptions, Conten | ts, etc. | | Name | Top Meas. Depth |
| OJO ALAMO | | 2,647' | WATER | | | | OJO ALAMO | | 2,622* |
| KIRTLAND | | 2,761' | WATER | | | | KIRTLAND | | 2,700' |
| FRUITLAND | | 3,312 | WATER, | GAS | | | FRUITLAND | | 3,220' |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | <u> </u> | <u> </u> | <u> </u> | | | | | | |
| | | | edure). | | | | | ^ | |
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| | | | | | | | | | |
| te which ite | ms have be | en attached b | y placing a | check in the | appropriate box | es. | · · · · · · · · · · · · · · · · · · · | · | |
| | _ | - | | | | ☐ DST R | Leport | ☑ Directional Survey | |
| | | | <u> </u> | | | | m all available - | acords (see attached materials ==) | * |
| | - | - | | mation is com | рісіс акі сонес | | | ecorus (see attached instructions) | |
| ame (<i>piease</i> gnatur | prini) <u>51</u> | 5 | | The state of the s | | Date 08/17/200 | | | |
| | Tbg Press. Flwg SI ction - Inter Test Date Tbg Press Flwg. SI attion of Gas ary of Poro Il important ing depth inties. conal remark OLE COM onal remark OLE COM onal remark of press fly Notice for the construction of the | Tog Press. Csg Flwg Press SI Ction - Interval D Test Date Hours Tested Tog Press Si Ition of Gas (Solid, use ary of Porous Zones (Il important zones of p ng depth interval tested ies. Ition of Gas (Solid, use ary of Porous Zones) Il important zones of p ng depth interval tested ies. In ation Top D 2,622 2,700 3,220 Ition of Gas (Solid, use ary of Porous Zones) Il important zones of p ng depth interval tested ies. In ation Top D 2,622 2,700 3,220 Ition of Gas (Solid, use ary of Porous Zones) Il important zones of p ng depth interval tested ies. Si Si Si Solid, use ary of Porous Zones Il important zones of p ng depth interval tested ies. Si Si Si Solid, use ary of Porous Zones Il important zones of p ng depth interval tested ies. Si Si Si Solid, use ary of Porous Zones Il important zones of p ng depth interval tested ies. Si Si Si Si Solid, use ary of Porous Zones Il important zones of p ng depth interval tested ies. Si S | Tog Press. Csg Press SI Press Rate Ction - Interval D Test Date Hours Test Production Tbg Press Csg. Press. Rate Ition of Gas (Solid, used for fuel, very gray of Porous Zones (Include Aquiful Important zones of porosity and cong depth interval tested, cushion useries. Top Bottom Top Bottom Top Bottom Top 2,622 2,647 2,700 2,761 3,220 3,312 Tested Production Top Bottom Top Bottom Top Bottom Top Bottom Top Solida is a series of porosity and congress of | Tog Press. Csg | Tested Production BBL MCF The Press Csg 24 Hr. Oil Gas Flwg Press Rate BBL MCF Test Date Hours Tested Production BBL MCF Tog Press Csg. 24 Hr. Oil Gas MCF The Press Csg. 24 Hr. Oil Gas MCF The Press Csg. 24 Hr. Oil Gas MCF The Press Csg. Press Rate BBL MCF It innor of Gas (Solid, used for fuel, vented, etc.) Tog depth interval tested, cushion used, time tool open, flowing depth interval tested, cushion used, time tool open, flowing tested and the pressure of the pre | Tested Production BBL MCF BBL Tog Press, Csg 24 Hr. Oil Gas Water BBL Test Date Hours Test Doil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 14 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 15 Water BBL Tog Press Csg. 16 Hr. Oil Gas Water BBL Tog Press Csg. 16 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL WATER DS. Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL WATER DS. Water BBL Tog Press Csg. 24 Hr. Oil Gas Water BBL Water | Test de Production BBL MCF BBL Corr. API Tog Press Csg 24 Hr. Oil Gas Water Gas/Oil Ratio Test Date Hours Flest Doil Gas Water Dil Gravity Dest Dil Gas Water Corr API Test Date Hours Flest Production BBL MCF BBL Corr API Tog Press Csg. 24 Hr. Oil Gas Water Gas/Oil BBL MCF BBL Corr API Tog Press Csg. Rate BBL MCF BBL Ratio Tition of Gas (Solid, used for fuel, vented, etc.) VENTED Trition of Gas (Solid, used for fuel, vented, etc.) Tog Press Csg. 24 Hr. Oil Gas Water Gas/Oil BBL MCF BBL Ratio Tog Press Csg. Rate BBL MCF BBL Ratio Tition of Gas (Solid, used for fuel, vented, etc.) VENTED Trition of Gas (Solid, used for fuel, vented, etc.) VENTED Tog Press Csg. 24 Hr. Oil Gas Water Gas/Oil BBL Ratio Tog Press Rate BBL MCF BBL Ratio VENTED Tog Press Csg. 24 Hr. Oil Gas Water Gas/Oil BBL Ratio Tog Press Rate BBL MCF BBL Ratio Tog | Test de Production BBL MCF BBL Corr. API Gravity | Tested Production BBL MCF BBL Corr. API Gravity Tog. Press Cag. 24 Hr. Onl SBL MCF BBL Corr. API Gravity Test Date Flows Press Date Flows Flower BBL MCF BBL Corr. API Gravity Test Date Flows Production BBL MCF BBL Corr. API Gravity Test Date Flows Production BBL MCF BBL Corr. API Gravity Test Date Flows Production BBL MCF BBL Corr. API Gravity Test Date Flows Production Method Gravity Test Date Flows P |

(Continued on page 3) (Form 3160-4, page 2)