

| À; | | | | | | | C1 | () | ARTE: | SIA | | | | | |
|---|--|--|----------------------------------|--|--|---|---|----------------------------|---|---|---|--|--------------------------|------------------------------|--|
| Form 3160- (April 200 | | | | | | | | | | FORM APPROVED OMBNO. 1004-0137 Expires. March 31, 2007 | | | | | |
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG | | | | | | | | | 5 | 5 Lease Serial No NM0480904A | | | | | |
| la Type of Well Oıl Well Gas Well Dry Other | | | | | | | | | | 6. | 6. If Indian, Allottee of Tribe Name | | | | |
| b Type of Completion New Well Work Over Deepen Plug Back Diff Resvr, | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | 7 | 7 Unit or CA Agreement Name and No 891013810B JM 71027 A | | | | |
| 2 Name of Operator J. C. Williamson | | | | | | | | | | 8 | | | | | |
| 3. Address POBOx 16 3a. Phone No (include area code) | | | | | | | | | 9 | 9 AFI Well No 30-015-38371 | | | | | |
| Midland TX 79702 432 682-1797 4 Location of Well (Report location clearly and in accordance with Federal requirements)* | | | | | | | | | | 10 | | | | | |
| At any Con- | | | | | | | | | | | Ross Draw Delaware | | | | |
| | 06/ PSL and 000 FEL | | | | | | | | | | 11 | Sec . T | Γ, R, M, o | n Block and Lot 1, Sec 33 | |
| - At top | At top prod interval reported below 687' FSL and 660' FEL | | | | | | | | | | 12 | Survey or Area Lot 1, Scc 33 T26S R30E 12 County or Parish 13. State | | | |
| - | At total depth 687' FSL and 660' FEL | | | | | | | | | | Eddy NM | | | | |
| 14 Date S 02/16 | Spudded 5/2011 | | 15 | Date T D. Res 03/13/2011 | 16 Date C & D & | Completed 68-10-2011 D&A Ready to Prod | | | 17 | 17 Elevations (DF, RKB, RT, GL)* 2979' | | | | | |
| l8 Total I | Depth. M | ID | 1 | 19 | 19 Plug Back T D MD | | | | | | ge Plug Set· MD | | | | |
| | TVD 6850' TVD 6850' | | | | | | | | | | | TVI | O | | |
| 2l Type E | Electric & | Other Me | chanic | al Logs Run (| l Logs Run (Submit copy of each) | | | | | 22 Was well cored? No Yes (Submit analysis) Was DST run? No Yes (Submit report) | | | | | |
| Hi-Re | es Laterol | og-CFL/ | GR, C | aliper Log, N | Aud log,Three | -Detector | Litho Dei | nsity | | tional S | | .™ L ✓No | | Submit copy) | |
| 23 Casing | g and Line | | | ort all string. | s set in well) | Stoo | Camantan | | 6 07 0 | | | | | | |
| Hole Size | Size/Gra | de Wt | (#/ft) | Top (MD) | Bottom (MI | 1111 | Cementer epth | | | y Vol. BL) | Cement Top* | | Amount Pulled | | |
| 17-1/2" | 13-3/8 | H | | surface | 505' | | 600s2 | | | 143 | | surfac | | 0-circ50sxtopit | |
| 11" | 8-5/8 | | ±,32# | surface | 3230' | - | | | 8x35/65 &500sx | 239 | | surfac | e | 0-circ200sxtopit | |
| | | | | | | | | "C"n | | 119 | | | | | |
| 7-7/8" | 5-1/2" | 17# | # N-80 | <u> </u> | | 6849 | ' | ***L | ine 32** | | | | | | |
| 24 Tubing | g Record | | | L | | | | l | l | | | | | | |
| Size | | Set (MD) | Packe | er Depth (MD) | Size | Depth | Set (MD) | Packer | Depth (MD) | | Size | Depth | Set (MD) | Packer Depth (MD) | |
| 2-7/8" 25 Produc | 6850' | ls | L | | 1 | | | Į. | | | | | | | |
| | Formation Formation | | | | | 26 | Perforation | n Record | | | | | | <u> </u> | |
| A) Delaware Sand | | | | Тор | Bottom | | Perforation Perforated I | | | Size | No Ho | oles | F | Perf Status | |
| H) | | | | 6252 | 6272 | 6252- | Perforated I | | | Size | 15 | oles | | Perf Status | |
| C) | | | | | | I | Perforated I 6272 6361 | | | Size | | oles | ₹EC | EIVED | |
| C) D) | ware Sand | I | Tam ant | 6252 6338 6602 6686 | 6272 6361 | 6252- 6338- | Perforated I 6272 6361 6632 | | | Size | 15 11 | bles | ₹EC | | |
| C) D) 27 Acid, F | ware Sand | i I eatment, C | 'ement | 6252 6338 6602 | 6272 6361 6632 | 6252- 6338- 6602- | Perforated I 6272 6361 6632 6700 | Interval | | | 15 11 11 | bles | ₹EC | EIVED | |
| C) D) 27 Acid, F D 6252-627 | Fracture, Tropepth Interv | i I eatment, C | 'ement | 6252 6338 6602 6686 Squeeze, etc | 6272 6361 6632 6700 | 6252- 6338- 6602- 6686- | Perforated I 6272 6361 6632 6700 Ai | mount a | nd Type of N 2,000# 16/3 | Material 30 sand | 15 11 11 10 | oles | ₹EC | EIVED | |
| C) D) 27 Acid, F | Fracture, Tropepth Intervented | i I eatment, C | Zement S | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- 2000 gal 7- | 6272 6361 6632 6700 1/2%NEFE F1 | 6252- 6338- 6602- 6686- | Perforated I 6272 6361 6632 6700 Ai | mount a | nd Type of N 2,000# 16/3 | Material 30 sand | 15 11 11 10 | N | ₹EC | EIVED | |
| C) D) 27 Acid, F D 6252-627 6338-636 | Fracture, Tropeph Interverse 51 32 | i I eatment, C | Jement S | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- 2000 gal 7- | 6272 6361 6632 6700 1/2%NEFE F1 1/2% NEFE F | 6252- 6338- 6602- 6686- | Perforated I 6272 6361 6632 6700 Ai | mount a | nd Type of N 2,000# 16/3 | Material 30 sand | 15 11 11 10 | NI | ₹EC | EIVED 2 2 2011 | |
| C) D) 27 Acid, F D 6252-627 6338-636 6602-663 6686-670 28 Produc | Fracture, Tropepth Interv 72 61 32 00 ction - Inter | eatment, C al | | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- 2000 gal 7- 2000 gal 7- 2000 gal 7- | 6272 6361 6632 6700 1/2%NEFE FI 1/2% NEFE F 1/2% NEFE | 6252- 6338- 6602- 6686- rac-43,000 | And gal 30# x | mount an | nd Type of N 2,000# 16/3 1,000# 16/3 | √aterial 30 sand 30 sand | 15 11 11 10 | N | ₹EC | EIVED 2 2 2011 | |
| C) D) 27 Acid, F D 6252-627 6338-636 6602-663 6686-670 28 Produced Date First Produced | Fracture, Trobepth Intervented State | eatment, C al val A Hours Tested | Test Produc | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- 2000 gal 7- 2000 gal 7- 2000 gal 7- | 6272 6361 6632 6700 1/2%NEFE F1 1/2% NEFE F | 6252- 6338- 6602- 6686- rac-43,000 water BBL | Perforated I 6272 6361 6622 6700 AI gal 30# x 0 gal 30# x Corr AF | mount an | nd Type of N 2,000# 16/3 | Material 30 sand 30 sand | 15 11 11 10 | N | ₹EC | EIVED 2 2 2011 | |
| C) D) 27 Acid, F | Fracture, Tropepth Interv72 61 32 00 ction - Inter Test Date 08/10/2011 Tbg Press | eatment, C al val A Hours Tested 24 Csg | Test Produc | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- | 6272 6361 6632 6700 1/2%NEFE F1 1/2% NEFE F 1/2% NEFE 1/2%NEFE | 6252- 6338- 6602- 6686- rac-43,000 rac-40,000 Water BBL 300 | Perforated I 6272 6361 6632 6700 Ai gal 30# x 0 gal 30# x 1 0 gal 30# x | mount an | nd Type of N 2,000# 16/3 1,000# 16/3 | Material 30 sand 30 sand | 15 11 11 10 | N | ₹EC | EIVED 2 2 2011 | |
| C) D) 27 Acid, F D 6252-627 6338-636 6602-663 6686-670 28 Produced 0.//10/2011 Choke Size | Fracture, Tropepth Intervented States of State | eatment, C al val A Hours Tested 24 | Test Produc | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- | 6272 6361 6632 6700 1/2%NEFE F1 1/2% NEFE F 1/2% NEFE 1/2%NEFE | 6252- 6338- 6602- 6686- rac-43,000 rac-40,000 | Perforated I 6272 66361 66632 6700 Au gal 30# x 0 gal 30# x 0 gal 30# x 1 0 gal 30# x | mount an | nd Type of N 2,000# 16/3 1,000# 16/3 Gas Gravity | Material 30 sand 30 sand | 15 11 11 10 roduction M Pump | NI ethod | NOV NOV CEC DUE | EIVED 2 2 2011 2 2 -10-12 | |
| C) D) 27 Acid, F 6252-627 6338-636 6602-663 6686-670 28 Produced 0.710/2011 Choke Size Full 28a. Produce | Fracture, Tropepth Interv72 61 32 00 ction - Inter Test Date 08/10/2011 Tbg Press Flwg SI 50# | eatment, C al val A Hours Tested 24 Csg Press | Test Produce 24 Hr Rate | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- | 6272 6361 6632 6700 1/2%NEFE F1 1/2% NEFE F 1/2% NEFE 1/2%NEFE | 6252-6338-6602-6686- rac-43,000 rac-40,000 Water BBL 300 Water BBL 300 | Perforated I 6272 6361 6632 6700 Ar 2 gal 30# x 2 gal | mount an link, 9 x link, 9 | nd Type of N 2,000# 16/3 1,000# 16/3 Gas Gravity | Material 30 sand 30 sand | 15 11 11 10 roduction M Pump | NI ethod | ₹EC | EIVED 2 2 2011 2 2 -10-12 | |
| C) D) 27 Acid, F D 6252-627 6338-636 6602-663 6686-670 28 Produced 0.//10/2011 Choke Size Full 28a. Produc Date First | Fracture, Tropepth Interv72 61 32 00 ction - Inter Test Date 08/10/2011 Tbg Press Flwg SI 50# | eatment, C al val A Hours Tested 24 Csg Press | Test Produce 24 Hr | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- 2000 gal | 6272 6361 6632 6700 1/2%NEFE F1 1/2% NEFE F1 1/2% NEFE 1/2%NEFE | 6252- 6338- 6602- 6686- rac-43,000 rac-40,000 Water BBL 300 | Perforated I 6272 6361 6632 6700 Ar 2 gal 30# x 2 gal 30# x 2 gal 30# x 4 Gas/Oil Ratto | mount an link, 92 xlink, 9 | nd Type of N 2,000# 16/3 1,000# 16/3 Gas Gravity | Material 30 sand 30 sand | 15 11 11 10 roduction M Pump | NI ethod | NOV NOV CEC DUE | EIVED 2 2 2011 2 2 -10-12 | |
| C) D) 27 Acid, F D 6252-627 6338-636 6602-663 6686-670 28 Produced 0./10/2011 Choke Size Full 28a. Produc Date First Produced | Fracture, Trobepth Intervented State | eatment, C al val A Hours Tested 24 Csg Press rval B Hours Tested | Test Product | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- 2000 gal | 6272 6361 6632 6700 1/2%NEFE F1 1/2% NEFE F1 1/2% NEFE 1/2%NEFE Gas MCF Gas MCF | ### 6252- 6338- 6602- 6686- Fac-43,000 Water BBL 300 Water BBL 300 Water BBL BBL BBL BBL BBL BBL BBL BBL BBL BB | Oil Grave AP | mount an link, 92 xlink, 9 | Gas Gravity Gas Gravity Gas Gravity | Material 30 sand 30 sand | 15 11 11 10 roduction M Pump Shut in | NI ethod | NOV ACC TEC DUE | EIVED 2 2 2011 2 2 -10-12 | |
| C) D) 27 Acid, F D 6252-627 6338-636 6602-663 6686-670 28 Produced 0./10/2011 Choke Size Full 28a. Produc Date First Produced | Fracture, Tropepth Intervented Test Date ON 100/2011 To Press Flwg SI 5.6# Letton - Inter Test Date ON 100/2011 To Press Flwg SI 5.6# Letton - Inter Test Date On 100/2011 | val A Hours Tested 24 Csg Press rval B Hours | Test Produce 24 Hr Rate | 6252 6338 6602 6686 Squeeze, etc 2000 gal 7- 2000 gal | 6272 6361 6632 6700 1/2%NEFE F1 1/2% NEFE F 1/2% NEFE Gas MCF Gas MCF Gas MCF | 6252-6338-6602-6686-6686-688-6602-6686-688-688-688-688-688-688-688-688-6 | Perforated I 6272 6361 6632 6700 Ai gal 30# x 0 gal 30# x Corr AF 40 Gas/Oil Gasto 1900/1 | mount an link, 92 xlink, 9 | Gas Gravity Gas Gas Gas Gas Gas | Material 30 sand 30 sand | 15 11 11 10 roduction M Pump Shut in | NI ethod | NOV ACCEP DUE | EIVED 2 2 2011 2 2 -10-12 | |

Accepted for record DEC 02 NMOCD

PUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE



| ~ | | | | | | | | | | |
|---|--------------------------|----------------------------|------------------------------|------------------------|------------------------------|----------------------------------|---|---------------------------------|--|---------------------------|
| | uction - Inte | | | | , | | | 1 2 | 1 | |
| Date First Produced | Test Date | Hours Tested | Production | Oıl BBL | Gras MCF | Water BBL | Oil Gravity Con. API | Gravity | Production Method | |
| Choke Size | Tbg Press Flwg SI | Csg Press. | 24 Hr. Rate | Oil BBL | Gras MCF | Water BBL | Gas/Oil Ratio | Well Status | | |
| | luction - Int | | | | | ' | | | | |
| Date First Test Produced Date | | Hours Tested | Test Production | Oıl BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gras Gravity | Production Method | |
| Choke Tbg Press Size Flwg SI | | Csg Press. | 24 Hr Rate | Oıl BBL | Gas MCF | Water BBL | Gas/Orl Ratio | Well Status | | |
| 29. Disp | osition of (| Bas (Sold, 1 | sed for fuel, | vented, etc | •) | | | 1 | | |
| 30 Sum | mary of Por | ous Zones | (Include Ao | nifers): | | | | 31 Formati | ion (Log) Markers | |
| 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. | | | | | | | | | | |
| Forr | Formation | | Bottom | | Descriptions, Contents, etc. | | | | Name | Top Meas. Depth |
| Surface! | Surface Sand | | 300 | surfa | surface sand, gravel | | | | Sand | 0-300 |
| .A.nhydri | Anhydrite | | 670 | anhy | drite | | | anhydri | te | 300 |
| Salt | | 670 | 3200 | anhy | drite salt | | | salt | | 670 |
| Lower Anhydrite | | 3200 | 3500 | anhy | anhydrite | | | | anhydrite | 3350 |
| Delawar | Delaware Sand | | 6957 | delav | delaware sand, shale | | | | are sand, shale | 3500 |
| | | | | | | | | | | |
| 32. Addit | ional rema | ks (include | plugging pr | ocedure): | | | | l | | |
| | | | | | | | | | oz. 2nd state-400 sx 35/65 p " and 8-5/8"annulus cement | |
| 33 Indica | ite which iti | mes have b | een attached | by placing | a check in | the appropria | te boxes | | | |
| ~ 🗸 Ele | ectrical/Me | chanical Lo | gs (1 full sen | req'd) | ☐ Ge | eologic Repor ore Analysis | | Direction | al Survey | |
| 34. I here | by certify th | nat the fore | going and att | ached info | mation is co | omplete and c | correct as determined f | rom all avaılal | ble records (see attached instruc | tions) ⁴ |
| Name | (please pro | nt) Mary | Jane Wilm | | / 1 | | Title Agent | | | |
| Signa | ture | Pary | Jane | Wh | line | <i>t</i> | Date | 11-09- | // | |
| Title 18 U States any | S.C Section false, ficti | on 1001 an tious or fra | d Title 43 U audulent sta | S.C Secti ements or | on 1212, ma | ake it a crime tions as to ai | for any person know ny matter within its j | ingly and willi urisdiction. | fully to make to any departmen | t or agency of the United |

(Form 3160-4, page 2)