District 1

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Amexia, NM 88210

Phone: (575) 748-1283 Fax; (575) 748-9720

District III 1000 Rio Brazos Road. Aziec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

Date: 3/18/2014

Phone: 575-748-6945

District IV 1220 S. St. Francis Dr., Santa Fe, NNI 87505

State of New Mexico

Form C<101 Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

MAR 18 2014

| Phone: (\$05) 476-3460 Fax: (\$05) 476-3462 | | | | | | NMOCD ARTESIA | | | | | |
|---|--------------------------|--|---|--|--|---|---------------------------------------|------------------------|--|--|--|
| APPLI | CATIO | NFOR | PERMIT TO | DRILL, | RE-EN | TER, | DEEPEN | , PLUGBAC | | DD A ZONE | |
| Operator Name and Address | | | | | | *************************************** | ~ OGRID Number | | | | |
| COG Operating LLC 2208 West Main Street | | | | | | | | | 22913 | | |
| | | i : | Artesia, NM | | | 30-1)/5 API Number 200 | | | | 47203 | |
| 30 | SCORE 1 | 9 | | | ³ Property Na ham Nash Sta | |) | | | Well No 8H | |
| | <u> </u> | | | ^{7.} Su | urface Loc | cation | ŧ | | | | |
| UL - Lot | Section | Township | Range | Lot Idn | Feet from | m | N/S Line | Feet From | E/W Line | i ' ' ' | |
| D . | 28 | # 26S | L Depressed Pot | | 190 | | North i | 760 | West | Eddy | |
| UL - Lot | Section | I' Township | Range Range | tom Hole Lo | ocation Feet from | · T | N/S Line | r com | E/W Line | County | |
| UL - Lot 5 | Section 33 | 268 | Range 28E | Let lan | Feet from | m | N/S Line South | Feet From 660 | .E/W Line West | e County Eddy | |
| | | ì | | | | | | | | | |
| | | | | 9. Po | ool Inform | nation | | | i delle dell | | |
| | | i | | Pool | Name | *********** | · · · · · · · · · · · · · · · · · · · | | | Pool Code | |
| Hay Hollow; Bo | ne Spring | ······································ | | Marine and the second | | | - | | | 30215 | |
| | | , | | Addition | nal Well In | | tion | | | | |
| | rk Type Well | | ¹² Well Type . Oil | • | 13 Cable/Ro | • | | 14 Lease Type State | l: | Ground Level Elevation 2989.2 | |
| 16. M | ultiple | | 13 Proposed Depth | | | | | 19. Contractor | | 20 Spud Date | |
| Depth to Grou | N ind water | | 14703 Distant | ce from nearest I | Bone Sr fresh water w | | | Distance t | | 3/26/2014 to nearest surface water | |
| | | 1 1 | <u> </u> | | 11 water | | | F- 301 | W man- | Har water | |
| Al we will be . | ilsing a coo | ied-toop ay | stem in lieu of lined p 21. p | pits Proposed Ca: | sing and (| Cemen | t Program | | | | |
| Туре | Hole | e Size | Casing Size | Casing We | | Setting Depth | | Sacks of C | Cement' | Estimated TOC | |
| Surface | t' | 7.5 🖔 | 13.375 | 48 | | 350' | | 410 |) | | |
| Introd | | 2.25 | 9.625 | 36 | | | 2400 | 700 | | | |
| Production | 8. | .75 . | 5.5 | 17 | | | 14703' | 2860 | 0 | 2100 | |
| | | 1. | | /Cement Pro | | | | | | | |
| | | | | | | | STC casing t | o TD and cemen | nt to surfac | ce in one stage. Will | |
| Drill 12-1/4 | ng and ∪. " hole to ∙ | lasş ∪ w. ~2400' w | 2% CaCl ₂ to centith saturated brin- | nent to surra- e water. Ru | .ce, II nece in 9-5/8" 3/ | essary. 6# J55 | LTC casing | to TD and ceme | nt to surfa | ce in one stage. | |
| Drill 8-3/4" | vertical h | iole, curve | e and lateral to 1. | 4703' with cu | ut brine. F | 7un 5-1 | /2" 17# P110 | Tenaris TXP B | TC casing | to TD and cement in | |
| one stage i | oringing I | FOC to 21 | 100' (300' overlar | <u>).</u> | | | | | | | |
| | | | пP | Proposed Blo | owout Pre | vention | n Program | | | | |
| | Туре | | w | Working Pressure | | Test Pressure | | ssure | | Manufacturer | |
| Annular | | | | 5000 | | 5000 | | 0 | Cameron | | |
| | ····· | - | | Balantan and Anna and | - | -l | | | <u> </u> | ************************************** | |
| 23. Thereby ce best of my kn | | | ion given above is tru | ie and complete | to the | | OIL | CONSERVAT | rion div | VISION | |
| I further cert | tify that I h | have compl | lied with 19.15.14.9 | (A) NMAC 🛛 | and/or | A | | // ^/ | | A | |
| 19.15.14.9 (B |) NMAC D | ⊠, if applie | rable. | | | Approv | ed Hy: | /// 0h/ | cara l | <i>l</i> | |
| Signature: MOTE Cos | | | | | | | | LUID | 11000 | n - A A A | |
| Printed name: Mayte Reyes 0 B | | | | | | Title: | - | "Geok | ogisi | P 80 | |
| Title: Regulatory Analyst | | | | | | Approv | ed Date: 3 - | 18-2U14 E | xpiration Da | te: 3-18-2016 | |
| E-mail Address: mreyes1@concho.com | | | | | | | | , | · | | |

Conditions of Approval Attached

DISTRICT 1 1825 M. FRENCH DR., HOBBS, NW 88240 Phone: (875) 383-8181 Fas: (875) 383-0720 DISTRICT II 8(1) 5. FIRST ST., ARTESIA, NM 88210 Phone: (675) 748-1783 Fax: (575) 748-8720

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

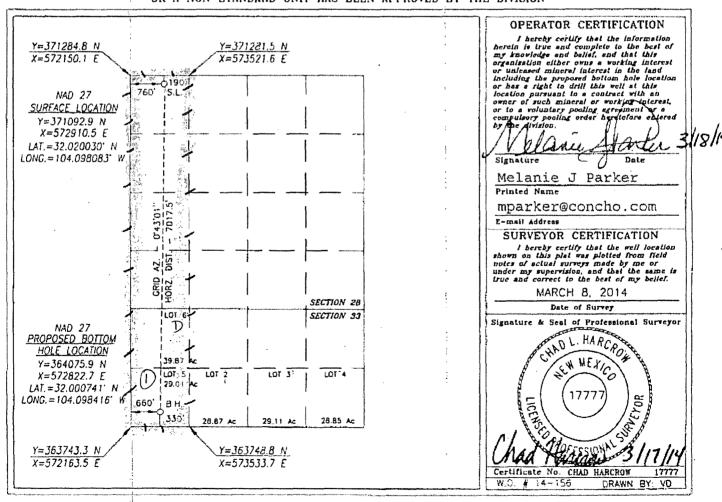
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

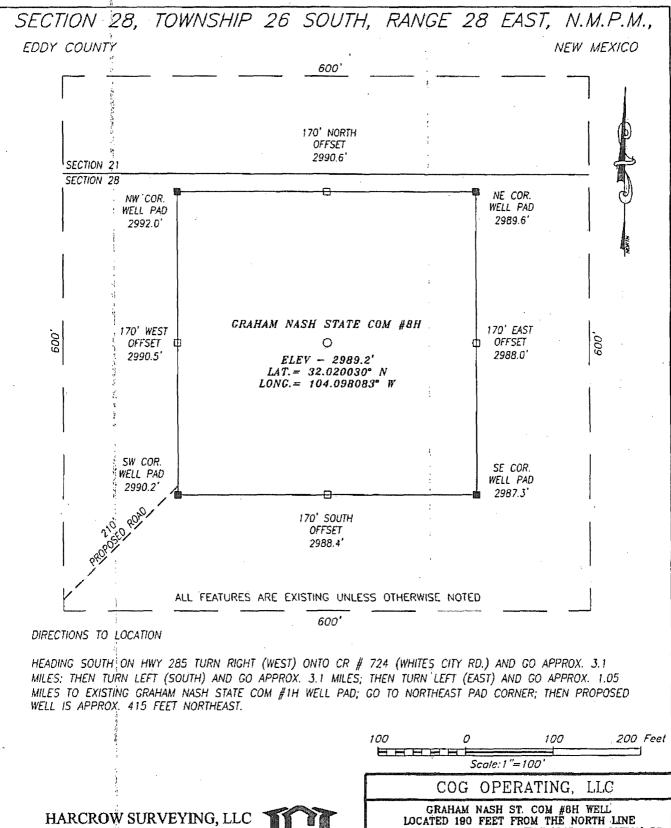
DISTRICT III 1000 RIO BRAZOS RD., AZTEC., NM 87410 Phene: (505) 334-6178 Fas: (505) 334-6170

C AMENDED REPORT

DISTRICT IV 1200 S. SANTA PE, NH 07505 Phone: (803) 478-3460 Fax: (803) 478-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT Al'i Number Pool Code Pool Name 30215 Hay Hollow; Bone Spring 30-015-Property Code Property Name Well Number 860 GRAHAM NASH STATE COM 8H Operator Name Elevation COG OPERATING, LLC 2989.2 229137 Surface Location UL or lot No. Section (Township Range Lot Idn Feet from the North/South line Feet from the East/West line County D 28 28-E 190 NORTH 760 WEST **EDDY** 26-S Bottom Hole Location If Different From Surface UL or lot No. Section Feet from the North/South line East/West line Township Range Lot Idn Feet from the County 3 F 33 26-S 28-E 330 SOUTH 660 WEST **EDDY** Dedicated Acres Joint or Infill Consolidation Code Order No. 228.882 23.79

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION





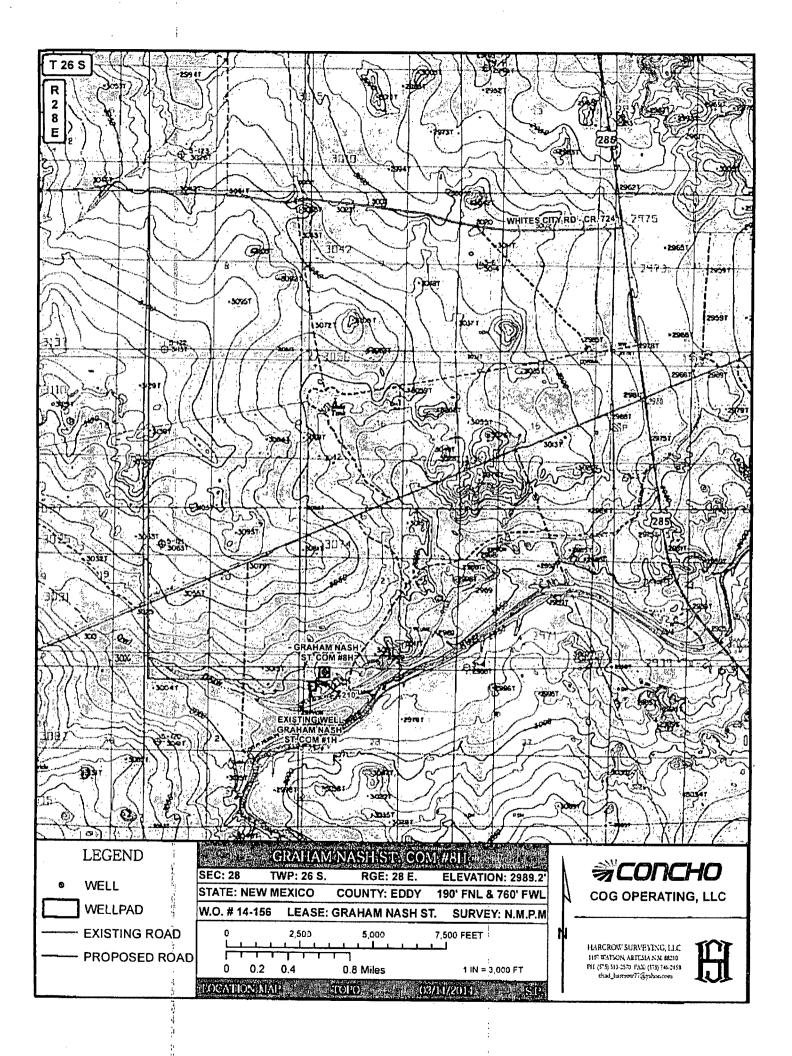
HARCROW SURVEYING, LLC
2314 W. MAIN ST, ARTESIA, N.M. 88210

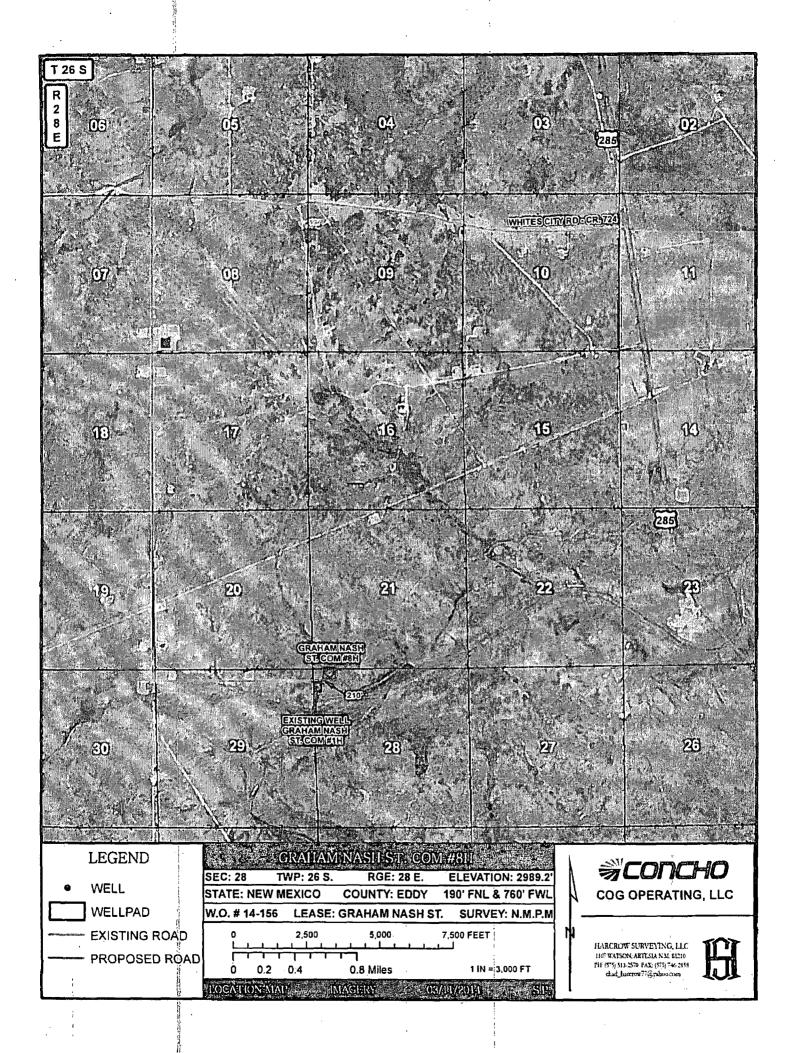
PH: (575) 513-2570 FAX: (575) 746-2158 chad_harcrow77@yahoo.com

110

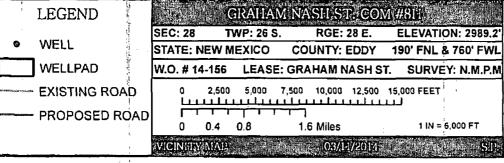
GRAHAM NASH ST. COM #8H WELL
LOCATED 190 FEET FROM THE NORTH LINE
AND 760 FEET FROM THE WEST LINE OF SECTION 28,
TOWNSHIP 26 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

| SURVEY DATE: | ' '' | PAGE: 1 OF 1 |
|----------------|------------|--------------|
| DRAFTING DATE: | 04/10/2014 | |
| APPROVED BY CH | | FILE: 14-156 |





| an green page | | | | | | | | | | |
|-----------------|--------------|---------------------|--|---------------------------------|-------|--------------|---|----------------------------|--|--|
| 14 | 13 | 18 | 17. | .16 | | 14 | 13 | 18 17, | | |
| 23 | 24 | 18 | 20 | 21 | 2200) | 23 | 24 | 19 20 | | |
| 25 | S 27.E | 30 | 29 | 25S | 27 | 26 | /25 | 25S 29E | | |
| 35 | . 36 | 31 | 32 | 33 | 34 | 018 | 36 | 31 32. | | |
| 02 ,***, F.2 | 501 | 06 | 05 | 04 | 03 | 02 | 01 | 06 05 | | |
| 1 | .12 | 07 | 08 | 09 | 10 | 293 11 W | 12 | 265 29E | | |
| 26 | s 27E | 18 | | 26S 28E | 15 | 14 | 13 | . 17 | | |
| 23 | 24 | 19 | 20 GRA | 21 NHAM NASH COM #8H | .22 | (28) (23) | 24.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2. | 19 20 | | |
| 26 | 25 | 30 | EXISTII 29 GRAH/ ST. C | NG WELL 28 AM NASH OM #1H | 27 | 26 | 25 | 30 C48 29 | | |
| 35 | 36 | 31 | 32 | 33 | 34 | 35 | 36 | 31 32 | | |
| | | | | | | | | | | |
| | EGEND ELL | SEC: 28 STATE: N | GRAHAM NASHIST: COM/#8E/ SEC: 28 TWP: 26 S. RGE: 28 E. ELEVATION: 2989.2' STATE: NEW MEXICO COUNTY: EDDY 190' FNL & 760' FWL | | | | | CODICHO COG OPERATING, LLC | | |





HARCROW SURVEYING, LLC HEI WATSON, ARTESIA N.M. 88210 PH (579) SLESTO FAX: (578) 740-2138 that, harrow T.G. paloo, com

