| District I 1625 N. French Dr., Hobbs, NM 88240 | | | | State of New Mexico Energy Minerals and Natural Resources | | | | | | Form C-101 May 27, 2004 | | |
|---|---|--|--|--|---|--|---|--|--|---|---|--|
| District II 1301 W. Gran | d Avenue. | Artesia. NN | 4 88210 | 101 | leigy winicial | is and ivaluia | II IXCSOU | | | | May 27, 2004 | |
| District.III | | | | | Oil Cons | ervation Di | vision | 1 | Submit to appropriate District Office | | | |
| 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 | | | | | th St. Franci Fe, NM 875 | | | | | MENDED REPORT | | |
| | | | | | RILL, RE-H | | | PLUGRA | CK. (| OR AD | D A ZONE | |
| | | | ¹ Operator Name | | | | | | ² OGR | ID Numbe | 006742 - | |
| Echo Pr | | - | | 50 | | | | 12 | - 3 AP | l Number | | |
| PO Box | ty Code | Grana | m, TX 764 | 50 | ⁵ Property 1 | Name | | 30-02: | <u>5-5</u> | 7055 'We | ll No. | |
| | | | Sky ' | | | | 1 | | | | | |
| | | | Proposed Pool 1 | | | | | ¹⁰ Proj | posed Po | ol 2 | | |
| Wildcat | → (Wolf | camp) | | | ⁷ Surface | Location | | | ··· | | | |
| UL or lot no. | or lot no. Section Township | | Range | Lot | | | outh line | Feet from the | East/ | West line | County | |
| K | 13 | 185 | 34E | | 168 | | outh | 1980 | wes | | Lea | |
| | | | | 1 | om Hole Locat | | | | | 437 | | |
| UL or lot no. | Section | Township | Range | Lot | Idn Feet fro | m the North/S | outhline | Feet from the | East/ | West line | County | |
| | | | | A | ditional We | Il Informatio | on | | | | | |
| | Type Code | | Well Type Co | ite TG. | ¹³ Cable | | | Lease Type Code | / | | und Level Elevation | |
| N 16 M | ultiple | | Proposed Dep | | 10 18 For | tary | | ¹⁹ Contractor | <u></u> | 39 | ²⁰ Spud Date | |
| no | mupie | | 10140 | | Wolf | | | J&W | | 3/01/05 | | |
| Depth to Grou | ndwater | | | Distanc | e from nearest fresh | h water well 75 | 51' | Distance fro | m neares | st surface w | ater 1000+ | |
| Separa Oliou | 111 W 8151 | 9 | 6' | | | | | | | | | |
| | | | 6' nils thick Clay [| Pit Vol | hume:12800bbls | Drilli | ng Method: | _ · | | | | |
| Pit: Liner: | | <u>12</u> | - | Pit Vol | hume:12800bbls | | • | - Brine X Diesel/ | Oil-based | 1 🗌 Gas/ | Air 🗌 | |
| Pit: Liner: | Synthetic | <u>12</u> | nils thick Clay [| | | Fresh V | Water X | Brine X Diesel/ | Oil-based | 1 🗌 Gas/ | Air. 🗋 | |
| Pit: Liner: Closed | Synthetic d-Loop Syst | x <u>12</u> m | nils thick Clay [2 | ¹ Ргоро | sed Casing a | Eresh M | Water X | Brine X Diesel/ | | <u>1 🗌 Gas/</u> | Air | |
| Pit: Liner: Closed Hole S | Synthetic d-Loop Syst | x <u>12</u> am C | nils thick Clay [| ¹ Propo Casin | | Fresh V | Water X | Brine X Diesel/ n | | | | |
| Pit: Liner: Close Hole S 17 ¹ 2" | Synthetic d-Loop Syst | 2 <u>12</u> cm C 13 8 | nils thick Clay [2 asing Size 3 / 8 " 5 / 8 " | ¹ Propo Casin 4 | sed Casing a | Eresh M nd Cement Setting D | Water X | Brine X Diesel/ n Sacks of C | | sur | Estimated TOC | |
| Pit: Liner: Close Hole S 17 ½" 11" | Synthetic d-Loop Syst | 2 <u>12</u> cm C 13 8 | nils thick Clay 2 asing Size 3/8" | ¹ Propo Casin 4 | sed Casing a g weight/foot 8 # | Fresh M nd Cement Setting D 350 | Water X | Rrine X Diesel/ n Sacks of C 300 1250 sufficie | Cement | sur sur sur | Estimated TOC face face ch ±600' | |
| Pit: Liner: Close Hole S 17 ½" 11" | Synthetic d-Loop Syst | 2 <u>12</u> cm C 13 8 | nils thick Clay [2 asing Size 3 / 8 " 5 / 8 " | ¹ Propo Casin 4 | sed Casing a g weight/foot 8 # 2 4 # | Fresh M nd Cement Setting D 350 3250 | Water X | Rrine X Diesel/ n Sacks of C 300 1250 sufficie | Cement | sur sur sur | Estimated TOC face face ch ±600' | |
| Pit: Liner: Closed Hole S 17 ½" 11" 7 7/8" | Synthetic d-Loop Syst ize | 2 12 r em C 13 8 5 | nils thick Clay [2 asing Size 3/8" 5/8" 1/2" | ¹ Propo Casin 4 2 1 | sed Casing a g weight/foot 8 # 24 # .7 # | Fresh V nd Cement Setting D 350 3250 10140 | water X 1 Program | Rrine X Diesel/ N Sacks of C 300 1250 sufficie above to | Cement ent t op of | sur sur o rea any | Estimated TOC face face ch ±600' pay interva | |
| Eft: Liner: Closed 10le S 17 ½" 11" 7 7 7/8" ²² Describe th Describe the b Describe the b | Synthetic d-Loop Syst ize ne proposed plowout pre | x 12 r cm C C 13 8 5 program. vention pro | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application i param. if any. Use | ¹ Proposition Casim 4 2 1 is to DEEP additional | sed Casing a g weight/foot 8 # 24 # .7 # EN or PLUG BAC shocts if necessary | Fresh V nd Cement Setting D 350 3250 10140 K, give the data of | water x 1 Program epth | Brine X Diesel/ N Sacks of C 300 1250 sufficie above to ent productive zon | Cement ent t op of me and pr | sur sur o rea any | Estimated TOC face face ch ±600' pay interva w productive zone. | |
| Hole S Hole S 17 ¹ 2" 11" 7 7/8" ² Describe the to Describe the to Echo Pr | Synthetic d-Loop Syst ize ize he proposed blowout pre Oducti | x 12 r em C 13 8 5 program. vention pro con, I | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application is ogram, if any. Use nC. propo | ¹ Propo Casin 4 2 1 is to DEEP additional ses to | sed Casing a g weight/foot 8 # 2 4 # .7 # EN or PLUG BAC sheets if necessary o drill to | Fresh V nd Cement Setting D 350 3250 10140 | water x 1 Program epth on the present | Rrine X Diesel/ N Sacks of C 300 1250 sufficie above to ent productive zoo icient to | ent t op of ne and p | sur sur o rea any roposed ne | Estimated TOC face face ch ±600' pay interva w productive zone. | |
| Hole S Hole S 17 ½" 11" 7 7/8" ² Describe the t Echo Pr formati | Synthetic d-Loop Syst ize ize ne proposed blowout pre oduction. If | a 12 r em C 13 8 5 program. vention pro on, I prod | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application ogram, if any. Use nc. propo uctive 5 | ¹ Propo Casin 4 2 1 is to DEEP additional ses to 2" cas | sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC shocts if necessary o drill to sing will | Fresh V nd Cement Setting D 350 3250 10140 | water x 1 Program epth on the present suff If no | Rrine X Diesel/ N Sacks of C 300 1250 sufficie above to ent productive zon icient to n-product | Cement ent t p of ne and p tes tive | sur sur o rea any t the the w | Estimated TOC face face ch ±600' pay interva w productive zone. Wolfcamp ell_will be | |
| Hole S Hole S 17 ¹ 2" 11" 7 7/8" ² Describe the to Describe the to Echo Pr formati plugged | Synthetic d-Loop Syst ize ize ne proposed plowout pre oduction. If and a | an contract of the second seco | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application i ogram, if any. Use nc. propo uctive 5 ned in a | 1 Propo Casim 4 2 1 is to DEEP additional ses to 2" cas manne: | sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC sheets if necessary o drill to sing will r consisto | Fresh M nd Cement Setting D 350 3250 10140 | on the present | Rrine X Diesel/ N Sacks of C 300 1250 sufficie above to ent productive zon icient to n-product regulati | ent t op of ne and pa tes tve tons. | sur sur o rea any roposed ner it the the w | Estimated TOC face face ch ±600' pay interva w productive zone. Wolfcamp ell will be ubles ram | |
| Hole S Hole S 17 ½" 11" 7 7/8" 2 Describe the Echo Pr formati plugged blowout | Synthetic d-Loop Syst ize ize ne proposed polowout pre oduction on If and a preve | m 12 m m 12 m m 13 13 8 5 program. vention pro ton, 1 f prod abando enter | nils thick Clay 2 2 asing Size 3/8" 5/8" 1/2" If this application i ogram, if any. Use nc. propo uctive 5 ned in a will be u | ¹ Propo Casin 4 2 1 is to DEEP additional ses to ½" cas mannes tilizo | sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC shocts if necessary o drill to sing will r consiste ed during | Fresh M nd Cement Setting D 350 3250 10140 | water x 1 Program epth on the present a suff If no State .ling | Rrine I Diesel/ N Sacks of C 300 1250 sufficie above to cabove to icient to regulation operation | ent t op of ne and pr tes tive | sur sur o rea any t the t the t the do | Estimated TOC face face ch ±600' pay interva w productive zonc. Wolfcamp ell will be uble ram ventional | |
| Hole S Hole S 17 ½" 11" 7 7/8" ² Describe the Describe the the Echo Pr formati plugged blowout fresh w | Synthetic d-Loop Syst ize ize ne proposed blowout pre oduction. If and a preve vater s | x 12 r cm 12 r cm 13 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | asing Size 3/8" 5/8" 1/2" If this application is pgram, if any. Use nc. propo uctive 5 ned in a will be u ud will b | I Proposition Casim 4 2 1 is to DEEP additional ses to 2 2 2 is to DEEP additional ses to 2 2 2 is to DEEP additional ses to 2 2 1 is to DEEP 1 is to DEP 1 is to DEP 1 | sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC sheets if necessary o drill to sing will r consisto ed during lized from | Fresh V nd Cement 350 3250 10140 X, give the data o a depth be set. ent with all dril m 0-350' | water x 1 Program epth on the present in suff If no State ling (8.4 | n Sacks of C 300 1250 sufficie above to cient productive zon icient to n-productive zon icient to ppg-9.4 p | ent t op of tes tive tons. | sur sur o rea any roposed ne t the the w A do af con Brine | Estimated TOC face face ch ±600' pay interva w productive zone. Wolfcamp ell will be ubles ram ventional water will | |
| Hole S Hole S 17 ½" 11" 7 7/8" ² Describe the Describe the b Echo Pr formati plugged blowout fresh w be util | Synthetic d-Loop Syst ize ize ne proposed blowout pre roduction If and a preve vater s ized f | x 12 r cm 12 r cm 13 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application of propo uctive 5 ned in a will be u uud will b 50' to 32 | ¹ Propo Casin 4 2 1 is to DEEP additional ses to ½" cas mannes tilizo e uti 50' (| sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC shoets if necessary o drill to sing will r consisto ed during lized from ±10.0 ppg | Fresh V nd Cement 350 3250 10140 K, give the data o a depth be set. ent with all dril m 0-350') Cut bri | water x 1 Program epth on the present in suff If no State ling (8.4 .ne wi | Rrine I Diesel/ N Sacks of C 300 1250 sufficie above to cient productive zon icient to n-product regulâti operation ppg-9.4 p 11 be uti | ent t op of tes tive tons. | sur sur o rea any roposed ne t the the w A do af con Brine | Estimated TOC face face ch ±600' pay interva w productive zone. Wolfcamp ell will be ubles ram ventional water will | |
| Hole S Hole S 17 ½" 11" 7 7/8" 2 Describe the Describe the the Echo Pr formati plugged blowout fresh w be util | Synthetic d-Loop Syst ize ize ne proposed blowout pre roduction If and a preve vater s ized f | x 12 r cm 12 r cm 13 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application of propo uctive 5 ned in a will be u uud will b 50' to 32 | ¹ Propo Casin 4 2 1 is to DEEP additional ses to ½" cas mannes tilizo e uti 50' (| sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC sheets if necessary o drill to sing will r consisto ed during lized from | Fresh V nd Cement 350 3250 10140 K, give the data o a depth be set. ent with all dril m 0-350') Cut bri | water x 1 Program epth on the present in suff If no State ling (8.4 .ne wi | Rrine I Diesel/ N Sacks of C 300 1250 sufficie above to cient productive zon icient to n-product regulâti operation ppg-9.4 p 11 be uti | ent t op of tes tive tons. | sur sur o rea any roposed ne t the the w A do af con Brine | Estimated TOC face face ch ±600' pay interva w productive zonc. Wolfcamp ell will be ubles ram ventional water will | |
| Hole S Hole S 17 ½" 11" 7 7/8" ² Describe the Describe the b Echo Pr formati plugged blowout fresh w be util | Synthetic d-Loop Syst ize ize ne proposed blowout pre roduction If and a preve vater s ized f | x 12 r cm 12 r cm 13 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application of propo uctive 5 ned in a will be u uud will b 50' to 32 | ¹ Propo Casin 4 2 1 is to DEEP additional ses to ½" cas mannes tilizo e uti 50' (| sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC shoets if necessary o drill to sing will r consisto ed during lized from ±10.0 ppg | Fresh V nd Cement 350 3250 10140 K, give the data o a depth be set. ent with all dril m 0-350') Cut bri | water x 1 Program epth on the present in suff If no State ling (8.4 .ne wi | Rrine I Diesel/ N Sacks of C 300 1250 sufficie above to cient productive zon icient to n-product regulâti operation ppg-9.4 p 11 be uti | ent t op of tes tive tons. | sur sur o rea any roposed ne t the the w A do af con Brine | Estimated TOC face face ch ±600' pay interva w productive zonc. Wolfcamp ell will be ubles ram ventional water will | |
| Hole S Hole S 17 ½" 11" 7 7/8" Pescribeth Describethet Echo Pr formati plugged blowout fresh w be util | Synthetic d-Loop Syst ize ize ne proposed blowout pre roduction If and a preve vater s ized f | x 12 r cm 12 r cm 13 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application of propo uctive 5 ned in a will be u uud will b 50' to 32 | ¹ Propo Casin 4 2 1 is to DEEP additional ses to ½" cas mannes tilizo e uti 50' (| sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC shoets if necessary o drill to sing will r consisto ed during lized from ±10.0 ppg | Fresh V nd Cement 350 3250 10140 K, give the data o a depth be set. ent with all dril m 0-350') Cut bri | water x 1 Program epth on the present in suff If no State ling (8.4 .ne wi | Rrine I Diesel/ N Sacks of C 300 1250 sufficie above to cient productive zon icient to n-product regulâti operation ppg-9.4 p 11 be uti | ent t op of tes tive tons. | sur sur o rea any roposed ne t the the w A do af con Brine | Estimated TOC face face ch ±600' pay interva w productive zonc. Wolfcamp ell will be ubles ram ventional water will | |
| Hole S Hole S 17 ½" 11" 7 7/8" ² Describe the t Echo Pr formati plugged blowout fresh w be util TD (9.0 | Synthetic d-Loop Syst ize ize ne proposed blowout pre oduction. If and a preve vater s ized f ppg - | rogram. vention prod abando enter spud m from 3 - 10.2 | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application ogram, if any. Use nc. propo uctive 5 ned in a will be u ud will b 50' to 32 ppg) A H | Image: Proposition of the second state of the second s | sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC sheets if necessary o drill to sing will r consisto ed during lized from ±10.0 ppg ntingency | Fresh V nd Cement 350 3250 10140 K, give the data o a depth be set. ent with all dril m 0-350') Cut bri | water x 1 Program epth on the prese 1 Suff If no State ling (8.4 .ne wi attac | n Sacks of C 300 1250 sufficie above to above to icient to n-productive zor icient to regulati operation ppg-9.4 p 11 be uti hed. | ent t op of tes tors. 1122 | sur sur o rea any t the the w A do the w A do | Estimated TOC face face ch ±600' pay interva w productive zonc. Wolfcamp ell will be ubles ram ventional water will m 3250' to | |
| Hole S Hole S 17 ½" 11" 7 7/8" 2 Describe the t Echo Pr formati plugged blowout fresh w be util TD (9.0 | Synthetic d-Loop Syst ize ize he proposed blowout pre oduction. If and a preve vater s ized f ppg - | informatic | asing Size 3/8" 5/8" 5/8" 1/2" If this application pgram, if any. Use nc. propo uctive 5 ned in a will be u ud will b 50' to 32 ppg) A H on given above is the promised that the | ¹ Propo Casin 4 2 1 is to DEEP additional ses to be stand ses to be uti 50' (2 2 rue and cor e drilling | sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC sheets if necessary o drill to sing will r consisto ed during lized from ±10.0 ppg ntingency | Fresh V nd Cement Setting D 350 3250 10140 | water x 1 Program epth on the prese 1 Suff If no State ling (8.4 .ne wi attac | Rrine I Diesel/ N Sacks of C 300 1250 sufficie above to cient productive zon icient to n-product regulâti operation ppg-9.4 p 11 be uti | ent t op of tes tors. 1122 | sur sur o rea any t the the w A do the w A do | Estimated TOC face face ch ±600' pay interva w productive zonc. Wolfcamp ell will be ubles ram ventional water will m 3250' to | |
| Hole S Hole S 17 ½" 11" 7 7/8" 2 Describe the t Echo Pr formati plugged blowout fresh w be util TD (9.0 | Synthetic d-Loop Syst ize ize he proposed blowout pre oduction on. If and a preve vater s ized f ppg - | informatic | nils thick Clay 2 asing Size 3/8" 5/8" 1/2" If this application ogram, if any. Use nc. propo uctive 5 ned in a will be u ud will b 50' to 32 ppg) A H | ¹ Propo Casin 4 2 1 is to DEEP additional ses to be stand ses to be uti 50' (2 2 rue and cor e drilling | sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC sheets if necessary o drill to sing will r consisto ed during lized from ±10.0 ppg ntingency | Fresh V nd Cement 350 3250 10140 K, give the data o a depth be set. ent with all dril m 0-350') Cut bri | water x 1 Program epth on the prese 1 Suff If no State ling (8.4 .ne wi attac | n Sacks of C 300 1250 sufficie above to above to icient to n-productive zor icient to regulati operation ppg-9.4 p 11 be uti hed. | ent t op of tes tors. 1122 | sur sur o rea any t the the w A do the w A do | Estimated TOC face face ch ±600' pay interva w productive zonc. Wolfcamp ell will be ubles ram ventional water will m 3250' to | |
| Hole S Hole S Hole S 17 ½" 11" 7 7/8" 2 Describe the Describe the t Echo Pr formati plugged blowout fresh w be util TD (9.0 23 I hereby cer of my knowle constructed a an (attached) | Synthetic d-Loop Syst ize ize he proposed blowout pre oduction If and a preve vater s ized f ppg - | informatic | asing Size 3/8" 5/8" 5/8" 1/2" If this application is agram, if any. Use nc. propo uctive 5 ned in a will be un ud will be 50' to 32 ppg) A H ppg) A H on given above is the certify that the D guidelines Σ_1 a proved plan \Box_2 | ¹ Propo Casin 4 2 1 is to DEEP additional ses to be stand ses to be uti 50' (2 2 rue and cor e drilling | sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC sheets if necessary o drill to sing will r consisto ed during lized from ±10.0 ppg ntingency | Fresh V nd Cement Setting D 350 3250 10140 | water x 1 Program epth on the prese 1 Suff If no State ling (8.4 .ne wi attac | n Sacks of C 300 1250 sufficie above to above to icient to n-productive zor icient to regulati operation ppg-9.4 p 11 be uti hed. | ent t op of tes tive tons. 112, TION | sur sur o rea any t the the w A do the w A do | Estimated TOC face face ch ±600' pay interva w productive zonc. Wolfcamp ell will be ubles ram ventional water will m 3250' to | |
| Printed name: | Synthetic d-Loop Syst ize ize he proposed blowout pre oduction If and a preve vater s ized f ppg - | informatic | asing Size 3/8" 5/8" 1/2" If this application pgram, if any. Use nc. propo uctive 5 ned in a will be u ud will b 50' to 32 ppg) A H on given above is the recrtify that the D guidelines Σ_1 is proved plan \Box_1 . | ¹ Propo Casin 4 2 1 is to DEEP additional ses to be stand ses to be uti 50' (2 2 rue and cor e drilling | sed Casing a g weight/foot 8# 24# .7# EN or PLUG BAC sheets if necessary o drill to sing will r consisto ed during lized from ±10.0 ppg ntingency | Fresh V nd Cement Setting D 350 3250 10140 CK, give the data o a depth be set. ent with all dril m 0-350') Cut bri plan is Approved by: Title: | water x 1 Program epth on the prese 1 Suff If no State ling (8.4 .ne wi attac | n Sacks of C 300 1250 sufficie above to icient to n-productive zon icient to n-productive zon icient to n-productive zon ppg-9.4 p 11 be uti hed. | ent t p of tes tive tons. 112, TION | sur sur o rea any t the the w A do the w A do | Estimated TOC face face ch ±600' pay interva w productive zone. Wolfcamp ell will be ubles ram ventional water will m 3250' to | |
| Pit: Liner: Closer Hole S 17 ½" 11" 7 7/8" 2 Describe the Describe the the Echo Pr formati plugged blowout fresh w be util TD (9.0 2 I hereby cea of my knowle constructed a an (attached Printed name: Title: Op E-mail Addre | Synthetic d-Loop Syst ize ize he proposed blowout pre- oduction If and a prever vater s ized f ppg - tify that the sdge and be according) alternativ eratic ss: FOI | an daw@e | asing Size 3/8" 5/8" 1/2" If this application is param, if any. Use nc. propo uctive 5 ned in a will be un ud will be 50' to 32 ppg) A H on given above is the recreifly that the D guidelines X, a proved plan . ten . | Propo Casin 4 2 1 is to DEEP additional ses to 2 tilliz 50' (2 control 2 co | sed Casing a g weight/foot 8# 24# 7# EN or PLUG BAC sheets if necessary o drill to sing will r consiste ed during lized from ±10.0 ppg ntingency mplete to the best pit will be permit □, or e | Fresh V nd Cement 350 3250 10140 | water x 1 Program epth on the prese 1 Suff If no State ling (8.4 .ne wi attac | n Sacks of C 300 1250 sufficie above to icient to n-productive zon icient to n-productive zon icient to n-productive zon ppg-9.4 p 11 be uti hed. | ent t p of tes tive tons. 112, TION | sur sur o rea any t the t the the w A do Brine Brine NDIVIS | Estimated TOC face face ch ±600' pay interva w productive zonc. Wolfcamp ell will be ubles ram ventional water will m 3250' to | |
| Pit: Liner: Closer Hole S 17 ½" 11" 7 7/8" 2 Describe the Describe the the Echo Pr formati plugged blowout fresh w be util TD (9.0 2 I hereby cea of my knowle constructed a an (attached Printed name: Title: Op E-mail Addre | Synthetic d-Loop Syst ize ize he proposed blowout pre- oduction If and a prever vater s ized f ppg - tify that the sdge and be according) alternativ eratic ss: FOI | an daw@e | asing Size 3/8" 5/8" 1/2" If this application is agram, if any. Use nc. propo uctive 5 ned in a will be un ud will be 50' to 32 ppg) A H ppg) A H on given above is the certify that the D guidelines X, a proved plan . en C. nager | Propo Casin 4 2 1 is to DEEP additional ses to 2 tilliz 50' (2 control 2 co | sed Casing a g weight/foot 8# 24# 7# EN or PLUG BAC sheets if necessary o drill to sing will r consiste ed during lized from ±10.0 ppg ntingency mplete to the best pit will be permit □, or e | Fresh V nd Cement Setting D 350 3250 10140 CK, give the data o a depth be set. ent with all dril m 0-350') Cut bri plan is Approved by: Title: | Water x 1 Program epth on the present in suff If no State ling (8.4 ne wi attac OIL C 1 201 | Arine Diesel/ n 300 1250 sufficie above to cat productive zor icient té n-productive zor icient té n-productive zor icient té n-productive zor ppg-9.4 p 11 bé uti hed. | ent t p of tes tive tons. 112, TION | sur sur o rea any t the t the the w A do Brine Brine NDIVIS | Estimated TOC face face ch ±600' pay interva w productive zone. Wolfcamp ell will be ubles ram ventional water will m 3250' to | |

Date Unless Drilling Underwi

I

•

• - 0

Echo Production, Inc.

PO Box 1210 Graham, Texas 76450 (940) 549-3292 Fax: (940) 549-5162

Big Sky '13' State #1 1680' FSL & 1980' FWL Section 13 T20S R34E Lea County, New Mexico

A review of offset wells does not show any abnormally pressured zones or any formations containing H_2S . Sufficient mud weights will be utilized to eliminate any flow from the well. A double ram type blowout preventor will be utilized during all drilling operations and will be tested after setting both the surface and intermediate casing.

The nearest public road is ± 2 miles from the location, but H₂S detection and safety equipment will be utilized and all rig personnel will receive safety training by a qualified H₂S safety instructor as to the following:

- A. Characteristics of H₂S
- B. Physical effects and hazards
- C. Proper use of safety equipment and life support systems
- D. Principle and operation of H₂S detectors
- E. Evacuation procedure, routes and first aid
- F. Proper use of air pack

DISTRICT I 1825 N. French Dr., Hobbs, NM 58240 DISTRICT II

,

811 South First, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

.

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505 Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

atural Accourtes Department

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

| | | 1 | WELL LO | CATI | ON A | ND ACREA | AGE DEDICATI | ON PLAT | | | |
|----------------|---------------------------|---------------------------|-------------|---------|-----------|-------------------------|------------------|----------------------|---|-----------|--|
| API Number | | | | Pool Co | | | | | | | |
| | 30.025.37055 | | | 990 | north | | | | | | |
| | Property Code | | | | DIC | Property Nar SKY "13 | v | 0 0 ' | Well Number | | |
| 2752 | <u>34555</u> OGRID No. | | | | DIG | Operator Nar | | | Elevation | | |
| | 6742 | | | ECH | IN F | • | TION CO. | | 397 | | |
| <u> </u> | | <u> </u> | 1 | | | Surface Loc | | | | | |
| UL or lot No. | Section | Township | Range | Lot lo | | eet from the | North/South line | Feet from the | East/West line | County | |
| к | 13 | 18 S | 34 E | | | 1680 | SOUTH | 1980 | WEST | LEA | |
| | | | L | Hole | Locat | | erent From Sur | | | | |
| UL or lot No. | Section | Township | Range | Lot lo | | eet from the | North/South line | Feet from the | East/West line | County | |
| | | - | | | | | | | | · | |
| Dedicated Acre | s Joint o | r Infill Co | nsolidation | Code | Order | No. | | l | | I | |
| 40 | | | | | | | | | | | |
| NO ALLO | WABLE W | ILL BE A | SSIGNED | TO TH | HIS CO | MPLETION | UNTIL ALL INTER | RESTS HAVE BE | EN CONSOLIDA | ATED | |
| | | | | | | | APPROVED BY | | | | |
| | Ī | | | 1 | | | | OPERATO | OR CERTIFICAT | | |
| | ļ | | | | | | | | | | |
| | 1 | | | | | ! | | 11 | y certify the the in n is true and compl | | |
| | 1 | | | | | 1 | | best of my know | vledge and belief. | | |
| | 1 | | | | | i | | | | | |
| | , | | | 1 | | | | Vom. | Golden | | |
| ┃┝ | | | | ┇ – | | + · | | Signature | • 、 、 | | |
| | Í | | | | | 1 | | Tom G Printed Nam | rolden | | |
| | | | | | | 1 | | | Hons Man | | |
| | | | | | | | | Title | | - Alar | |
| | | | | | | | | 1/12/0 | 5 | | |
| | 1 | | | | | | | Date | | | |
| | | | | | | | | SURVEYO | OR CERTIFICAT | TION | |
| | | $\langle \rangle \rangle$ | | | | 1 | | | y that the well locat | 1 | |
| | 1 | Lat.: N32*4 | 4'42.8" | | | · · · · · | | | as plotted from field made by me or | | |
| | Į | Long.: W10 | 3.30'57.6" | | | | | supervison an | ud that the same is | true and | |
| | | | \sum | | | i | | Correct to th | e best of my belle | <i>y.</i> | |
| - | | $\frown \frown \frown$ | | | | ļ | | Dece | mber 28, 200 | 4 | |
| | ļ | | | | | | | Date Survey | dL. JONES | | |
| | + + 1 | | | + | | + | | Professional | | | |
| | 1 | | | | | 1 | | N TTY | (A) M | | |
| | | | 680 | | | | | NEL | 20×11町 | M | |
| | ļ | | Ī | | | ļ | | I SE W | 6 NO. 4906 | | |
| | | | | | | | | Certificate | ESSIONAL LAND Sones | s 7977 | |
| | | | ¥ | | | B | | | ASIN SURVEYS | | |

| 11 | 12 | 7 | 8 | 9 | 10 | 11 | 12 | 7 | 8 | 9 | 10 | 11 | 12 | 7 |
|------------------------------------|---|---|--------------------------------|------------------------------|---|-------------|---|-----------------------------|---------------|----------------|-------------|---------------|--------------------|-------------------|
| 14 | л 13 б П | А 18 П | 17 | 16 | 15 | | <i>S1. 238</i> R 34 E | ມ ເຕີ 18 ແ | 17 | 16 | 15 | 14 | | ա ջ, 18 1 բ |
| 23 1 20 5 21 5 | 24 | 19 19 19 | 20 UU | 21 | 22 | 23 | 24 | 19 | 20 | 21 | 22 | 23 | 24 | 19 L 50 |
| 26 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 30 | 29 | 28 | 27 | 26 | 25 | 30 BUCKEY | 29 E | 28 | 27 | 26 | 25 14 14 | 30 |
| 35 | 36 | 31 | LS 32 | TEXAS 33 | 34 CAMO 17 S | 35 | 36 | 31 | 32 | 33 Т | 34 17 S | RD LEE 133 | 36 | 31 |
| 2 | 1 5 | 6 | 5 | 4 | 18 S 3 | 2 | 1 | \$1.238 | 5 | 4 | 18 S 3 | 2 | 1 | 6 |
| 11 | e ouerech | 8 7 w | 8 | 9 | 10 | 11 | т 15 4 т | ХОХ Ш 555 7 24 | 8 | 9 | 10 | 11 | 12 | 7 |
| 14 | 13 | 18 | 17 | 16 | 15 | 14 | | 18 | 17 | 16 | 15 | 14 | 13 | 18 |
| 23 | 33 | ω * α 19 | 57.52 | > 21 | 22 | 23 | 24 | 19 | 20 | 21 | 22 | 23 | м К | а 19 19 |
| 26 | 25 | 30 | 29 | 28 | 27 | 26 | 25 | 30 | 29 | 28 | 27 | 26 | 25 | 30 |
| 35 | 36 | 31 | 32 | 33 T | 34 18 S | 35 | 36 | 31 | 32 | 33 | 34 18 S | 35 | 36 ST | ³¹ |
| 2 | 1 | 6 | 5 | | 19 S 3 | 2 | ST. 529 | 6 | 5 | ALLE | r 19 S 3 | 5 | 1 | 6 |
| 11 | 12 , | 7 | 8 | 9 | 10 | 11 | 12 | 7 | 8 | PEARL 6#1 % | 10 U.S | 62-180 | 12 | 7 |
| 14 | 13 u 80 | | 17 | 16 | 15 | 14 | 13 ш М | ш ¹⁸ 18 | 17 | 16 | 15 | ZQ 14 VAL | | 18 |
| 23 | ري 24 | ac 19 | 20 | 21 | 22 | 23 | <u>م</u> 24 | α 19 | 20 | 21 | APER 22 | 23 | 24 | 19 |
| - | | | | | | | \square | | | | | | | |
| | Lo Se | ocate ectio | KY " ed at n 13 M., I | 168 , To | 30' H wnsl | SL : hip | and 18 S | outh |)'FV ι, Rε | VL | | East | , | |
| SU focuse | d on exc the oilfi | D D D D D D D D D D D D D D D D D D D | Hobbs, (505) 3 (505) 3 | West C New Mex 93-7316 | ounty Rd kico 8824 5 — Offic 1 — Fax | Surv | Number: ey Date: e: 1" = 2 : 12/29 | 12/28 2000' | | # 1 | P | ROD | CHO UCTI CO. | ON |

٠

\$



4

.

BIG SKY "13" STATE #1 30.025.37055 Located at 1680' FSL and 1980' FWL Section 13, Township 18 South, Range 34 East, N.M.P.M., Lea County, New Mexico.

| P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 8824 (505) 393-7316 - Office (505) 392-3074 - Fax basinsurveys.com | Survey Date: 12/28/04 | ECHO PRODUCTION CO. |
|---|-----------------------|---------------------------|
|---|-----------------------|---------------------------|



| District II Energy M | tate of New Mexico inerals and Natural Resources | Form C-14 June 1, 20 | | |
|---|--|--|--|--|
| 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Oil | Conservation Division For dapprox | For drilling and production facilities, submit appropriate NMOCD District Office. | | |
| 1220 S. St. Francis Dr. Santa Fe. NM 87505 | anta Fe, NM 87505 | ownstream facilities, submit to Santa Fe | | |
| | ade Tank Registration or Clos | | | |
| Type of action: Registration of a pit of | ak covered by a "general plan"? Yes \square N or below-grade tank \square Closure of a pit or below-g | rade tank | | |
| Operator: Echo Production, Inc. Telephone: Address: PO Box 1210, Graham, TX 76450 | (940) 549-3292 address: rondaw@ec | hoproduction.com | | |
| Facility or well name: Big Sky '13' Statep#1.30.02 | 5. 37055 U/L or Qtr/Qtr K Sec 13 T | 185 <u>R</u> 34E | | |
| County: Lea Latitude N32° 44' Longitude W1 42.8" | 03° 30' NAD: 1927 [] 1983 [] Surface | Owner Federal 🗌 State 🖄 Private 🚺 Indian 🗍 | | |
| Pit | | | | |
| Lype: Drilling 🔀 Production 🗋 Disposal 🛄 | Below-grade tank Volume:bbl Type of fluid: | | | |
| Workover Emergency | Construction material: | | | |
| | Double-walled, with leak detection? Yes [] If a | | | |
| Liner type: Synthetic X Thickness 12 mil Clay | | and and and the state of the st | | |
| Pit Volume <u>12800</u> bbl | | | | |
| | Less than 50 feet | (20 points) | | |
| Depth to ground water (vertical distance from bottom of pit to seasonal high | 50 feet or more, but less than 100 feet X (96 | | | |
| water elevation of ground water.) | 100 feet or more | (0 points) | | |
| Wellhead protection area: (Less than 200 feet from a private domestic | Yes X (751') | (20 points) 20 | | |
| water source, or less than 1000 feet from all other water sources.) | No | (0 points) | | |
| Distance to surface water: (horizontal distance to all wetlands, playas, | Less than 200 feet | (20 points) | | |
| rrigation canals, ditches, and perennial and ephemeral watercourses.) | 200 feet or more, but less than 1000 feet | (10 points) | | |
| ingation canais, unches, and perchinal and epicemeral watercourses.) | 1000 feet or more X | (0 points) O | | |
| | Ranking Score (Total Points) | 30 | | |
| If this is a pit closure: (1) attach a diagram of the facility showing the pit's | relationship to other equipment and tanks. (2) Indi | cate disposal location: (check the onsite box if | | |
| your are burying in place) onsite 🗌 offsite 🗌 If offsite, name of facility | . (3) Attach a genera | l description of remedial action taken including | | |
| remediation start date and end date. (4) Groundwater encountered: No 🔲 | | | | |
| Attach soil sample results and a diagram of sample locations and excavation | s | | | |
| Additional Comments: | | | | |
| | | · · · · · · · · · · · · · · · · · · · | | |
| | | | | |
| | | ***** | | |
| | | | | |
| | | | | |
| | | | | |
| I hereby certify that the information at an intermediate to the second | C | | | |
| I hereby certify that the information above is true and complete to the best o been/will be constructed or closed according to NMOCD guidelines $[\Xi]$, Date: $1/12/05$ | a general permit , or an (attached) alternative | the above-described pit or below-grade tank OCD-approved plan []. | | |
| been/will be constructed or closed according to NMOCD guidelines x. | a general permit , or an (attached) alternative | the above-described pit or below-grade tank OCD-approved plan . | | |
| been/will be constructed or closed according to NMOCD guidelines $[X]$, Date: $1/12/05$ | a general permit \Box , or an (attached) alternative aggsfgnature \Box | • OCD-approved plan . | | |
| been/will be constructed or closed according to NMOCD guidelines $[\underline{X}]$, Date: $1/12/05$ Printed Name/Title Tom Golden / Operations Mana Your certification and NMOCD approval of this application/closure does no otherwise endanger public health or the environment. Nor does it relieve th | a general permit [], or an (attached) alternative aggregature for the should the content to relieve the operator of liability should the content e operator of its responsibility for compliance with a | • OCD-approved plan . • of the pit or tank contaminate ground water or uny other federal, state, or local laws and/or | | |
| been/will be constructed or closed according to NMOCD guidelines $[\underline{X}]$, Date: $1/12/05$ Printed Name/Title TOM Golden / Operations Mana Your certification and NMOCD approval of this application/closure does no otherwise endanger public health or the environment. Nor does it relieve th regulations. | a general permit \Box , or an (attached) alternative aggsfgnature \Box | • OCD-approved plan . • of the pit or tank contaminate ground water or uny other federal, state, or local laws and/or | | |