Submit 3 Copies to Appropriate

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103

CONDITIONS OF AFFROVAL, IF ANY:

Revised 1-1-89

| P.O. Bot 1966, Note Note 1970 Santa Fe, New Mexico 87504-2088 SINDERY DO, Anesa, NM #8210 Santa Fe, New Mexico 87504-2088 SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOO PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOR USE TAPPLICATION FOR PERMIT' (POND CIO) FOO SULDEY PROPOSALS Type of Well: WILL A OTHER CASING New Mexico "M" State No Mexico "M" St | District Office | | · PATEGRONI | | |
|--|---|---|-----------------------------|---|--|
| South State Stat | DISTRICT I P.O. Box 1980, Hobbs, NM 88240 | P.O. Box 2088 | | WELL API NO. 30-02 | 5-10352 |
| SUNDRY NOTICES AND REPORTS ON WELLS SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROCESSALS TO DRILL OR TO DEEPEN OF PLUG BACK TO A DIFFERENT RESERVOR. USE APPLICATION FOR PREMITY (FORM C-101) FOR SUCH PROCESSALS) 1. Type of Well: Type of Well: Onex Onex | DISTRICT II P.O. Drawer DD, Artesia, NM 88210 | Santa Fe, New Mexico 8 | 7504-2088 | 5. Indicate Type of Lease STA | ATE FEE |
| SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSCALS TO DAILL OR TO GEFEN OR PLUG BACK TO A DIFFERENT RESPONCE USE "PROPLACION OF PERMIT" (PORM C-101) FOR SUCH PROPLACION OF PERMIT (PORM C-101) FOR SUCH PROPLACION A Well No. 1 Well No. 1 Well No. 1 Well No. 1 Year Mexico "N" State Now Mexico "N" State Now Mexico "N" State 1 Year Mexico "No M | DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 | | | 6. State Oil & Gas Lease No | |
| (DO NOT USE THIS FORM FOR PROPOSALS TO BRILL OF QUEEN FLOOR SUCK TO A DEFERENT RESERVOR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCK PROPOSALS) 1. Type of Well: | | | | | 7//////// |
| 1. Type of Well: WILL Will Will Well Well | (DO NOT USE THIS FORM FOR PRODIEFERENT RESE | OPOSALS TO DRILL OR TO DEEPEN OR RVOIR. USE "APPLICATION FOR PER | JH PLUG BACK TO A | - | |
| 2 Name of Operator American Exploration Company 3. Address of Operator 2100 RepublicBank Center, Houston, Texas 77002 4. Well Location Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line Socion 18 Township 22S Range 37E NMPM Lea County Notice of Iteration (Show whether DF, RRB, RT, GR, acc) | 1. Type of Well: OIL GAS WELL WELL 7 | OTHER | | | Ducc |
| 3. Address of Operator 2100 RepublicBank Center, Houston, Texas 77002 4. Well Location Unit Later J : 1980 Feet From The South Line and 1980 Feet From The East Line Section 18 Township 22S Range 37E NMPM Lea County 10. Elevation (Show whether DF, RKB, RT, GR, etc.) 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data 11. NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDON CASING TEST AND CEMENT JOB OTHER: CASING TEST AND CEMENT JOB OTHER: Squeeze cement Elimont perfs To OTHER: Squeeze cement Elimont perfs The Wystinger & 7" packer and 2-7/8" tubing to 3,360'. Stung into retainer, set pkr. load and press. tbg./Csg. annulus to 500 psi. Est. rate into perfs. @ 6 BPM @ 300 psi. Pumped 125 sx. class "C" cmt. + additives plus 125 sx. class C neat. Flush w/19 bbls. w Observed press. to increase from 300 to 950 psi indicating a successful squeeze. Thereby certly that the information above a true and complete to the bose of my promising and belief. SONATURE MATTER TABLE Thereby certly that the information above a true and complete to the bose of my promising end belief. SONATURE MATTER TABLE THE PROPERTY TABLE TO THE ABOVE TO THE TABLE TO THE TAB | 2. Name of Operator American Exploration | Company | | 1 | |
| Unit Letter J : 1980 Feet From The SOUTH Line and 1980 Feet From The Lease Line and 1980 Feet From The Lease Line Section 18 Township 22S Range 37E NMFM Lea County 10. Elevation (Show whether DF. RKB. RT. GR. etc.) 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. LEGENDARY ALTERING CASING TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT CASING TEST AND CEMENT JOB OTHER: 12. Describe Proposed or Completed Operations (Clearly state all periosens details, and give periosens dates, including estimated date of starting any proposed work) SEE RILLE 1103. 12. Describe Proposed or Completed Operations (Clearly state all periosens details, and give periosens dates, including estimated date of starting any proposed work) SEE RILLE 1103. 12. Describe Proposed or Completed Operations (Clearly state all periosens details, and give periosens dates, including estimated date of starting any proposed work) SEE RILLE 1103. 12. Describe Proposed or Completed Operations (Clearly state all periosens details, and give periosens dates, including estimated date of starting any proposed work) SEE RILLE 1103. 12. Describe Proposed or Completed Operations (Clearly state all periosens details, and give periosens dates, including estimated date of starting any proposed work) SEE RILLE 1103. 13. ALTERING ALT | 3. Address of Operator 2100 RepublicBank Cer | nter, Houston, Texas 770 | 002 | | burg |
| 18 Township 22S Range 37E NMFM Lea County | 4. Well Location | 1980 _{Feet From The} South | Line and19 | 80 Feet From The | East Line |
| 10. Elevation (Show whether Dr. K.E. K.I. OK. de.) 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK | 19 | Township 22S Ran | 37E | nmpm Lea | County |
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| TEMPORABILY ABANDON CASING TEST AND CEMENT JOB OTHER: CASING TEST AND CEMENT JOB OTHER: Squeeze cement Eumont perfs OTHER: 12 Describe Proposed or Completed Operations (Clearly state all perinent details, and give perinent dates, including estimated date of starting any proposed work) SEE RULE 1103. TITH w/stinger & 7" packer and 2-7/8" tubing to 3,360'. Stung into retainer, set pkr. load and press. tbg./Csg. annulus to 500 psi. Est. rate into perfs. @ 6 BPM @ 300 psi. Pumped 125 sx. class "C" cmt. + additives plus 125 sx. Class C neat. Flush w/19 bbls. w Observed press. to increase from 300 to 950 psi indicating a successful squeeze. Thereby certly that the information above is true and complete to the best of my knowledge and belief. Signature | PERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | _ | |
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| SIGNATURE MATTY B. MCClandhan TYPE OR FRINT NAME THE ST. Production Analyst DATE 8/14/89 TELEPHONE NO. TELEPHONE NO. AUG 1 7 1989 DISTRICT I SUPERVISOR | work) SEE RULE 1103. TIH w/stinger & 7" p load and press. tbg. | acker and 2-7/8" tubing /Csg. annulus to 500 ps | to 3,360'. S'i. Est. rate : | tung into retaind into perfs. 0 6 l ass C neat. Flu | er, set pkr. BPM @ 300 psi. sh w/19 bbls. wt |
| DISTRICT 1 30 DATE DATE | SKINATURE MATTY B. MCCI | true and complete to the best of my knowledge and in an | i belief. Sr. Produc | <u>, </u> | |
| | (This space for State Use) ORIGINAL SIGNED DISTRICT I | 30, | me | D | AUG 1 7 1989 |

7 1 Eumont (hald)

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HOSSS OFFICE

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Submit to Appropriate
District Office
State Lease — 6 conies

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101

Revised 1-1-89

| DRIL b. Type of Well: OIL GAS WELL WELL 2. Name of Operator American E | NM 88210 EX. NM 87410 TION FOR PERMIT T L RE-ENTER EX. OTHER EX. OTHER EX. Dicker ChicBank Center, | P.O. Box 208 anta Fe, New Mexico O DRILL, DEEPEN, O DEEPEN SINGLE ZONE HOUSTON, Texas | PLUG BACK PLUG BACK MULTIPLE 77002 | 6. State Oil & Gas Lease B-934 7. Lease Name or Unit An New Mexico "M" 8. Well No. 1 9. Pool name or Wildcat Arrowhead Gray | rate FEE |
|--|--|---|---|--|--------------------------------------|
| Unit Letter | J: 1980 Feet Fr | 229 | 275 | Feet From The | County |
| | | 10. Proposed Depth 3715 | 11. F | ormation Grayburg | 12. Rotary or C.T. Rotary |
| 3. Elevations (Show wheel) | ner DF, RT, GR, etc.) | 4. Kind & Status Plug. Bond Bond | 15. Drilling Contractor Company Ric | | Date Work will start |
| 7. | PR | OPOSED CASING A | ND CEMENT PROGE | RAM | |
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
| 13-3/4 | 9-5/8" | 36# | 451 | 125 | Surf. |
| 8-3/4 | 7" | 24# | 3609 | 500 | 390 |
| | | | | | |
| POH w/tubing ±2550'. Sque POH w/drill he cement performance of the per | and packer. Du eeze cement perf oit. Pull RBP @ rations 3418-347 rill out through , 3636', 3644', | ormation as follows sand on RBP @s. 2670-3190'. 3275. GIH w/sq 72' and 3530-3550 cement retainer 3648', 3674', 36 | 3275'. GIH w/sc Drill out cement ueeze packer and '. Drill out ce @ 3533' down to | i. Test squeeze iset @ ±3300. ment. Test squ 5 3715' (3610 to | Squeeze eeze to 3715). Perfora |