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|--|---|---|--|--|---|--|--|--|
| APPLICATION FOR PERUT TO DAR! DEFPEN OR PLUG BACK  1. The divide Daries   Daries   Defend   Plug BACK   Defend   Defend  | FILE<br>U.S.G.S.  |   | 413 (1 1 40 11) 2 <b>99</b>  |  |   | 5A. Indicate Type of Lease             |  |  |
| DEEPFR DEEP LOSAGE DEBLE DEEPFR DEEPF | OPERALLE  |   |  |  |   | OG 593                                 | 33   |  |
| High Plains  Cayen, Cerroration  State of the control of the contr | APPLICATIO  | N FOR PERMIT TO   | DRILL, DEEPEN, C   | R PLUG BACK  |   | 7. Unit Agre                           | ement Name   |  |
| Cayman Correction  A Principle of Correct  A Principle | b. Type of Well   | 1   |  |  |   |  |  |  |
| STEE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP 17-1/2" 13-3/8" 484 375 375 Circulated 11" 11" 8-5/8" 24 8.324 4.400 350 2900 7-7/8" 5-1/2" 17½ 10.700 300 9000 9000 9000 9000 9000 9000 90   | 2. Number of tipes star   |   |  |  |   | 2                                      |  |  |
| The tenders place therefore, the control of the con | 512 Midland Savings Building, Midland, Texas 79701  |   |  |  |   |  | The second secon |  |
| Lea   Lead   L   | UNIT LETTER II LOCATED 1500 FEET FROM THE 101 CINC  |   |  |  |   |  |  |  |
| THE Proposed Cash Technology of the Plan Read Depth 192, Name and 22, Radary of C.E.  11. Engineer Plan Technology of the Plan Read 21B, Chiling Continuous 22, Appear, Deep Work will steet 12B.  11. Cr. Statewide Cactus Immediately.  PROPOSED CASING AND CEMENT PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP: 17-1/7" 13-3/8" 49# 375 375 Circulated 11" 8-5/8" 24 x 32# 4,400 350 2900  7-7/8" 5-1/2" 17# 10,700 300 9000  We propose to drill a 17-1/2" hole to 375 feet, set and cement 375 feet of 13-3/8" surface casing, drill an 11 inch hole to approximately 4400 feet, set and cement 8-5/8" intermediate casing at 4400 feet, allow 18 hours for the cement to set, and check for water shutoff. We will then proceed to drill a 7-7/8" hole through the Permo-Penn formation or to approximately 10,700 feet, evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2" casing, perforate and test.   | AND THE PROMI   |   | RE OF SEC. 15  | TE TAS REE. 34   |   | _                                      |  |  |
| Allo Ct. Statewide Cactus Immediately  PROPOSED CASING AND CEMENT PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP  17-1/2" 13-3/8" 48# 375 375 Circulated  11" 88-5/8" 24 & 32# 4,400 350 2900  7-7/8" 5-1/2" 17# 10,700 300 9000  We propose to drill a 17-1/2" hole to 375 feet, set and cement 375 feet of 13-3/8" surface casing, drill an 11 inch hole to approximately 4400 feet, set and cement 8-5/8" intermediate casing at 4400 feet, allow 18 hours for the cement to set, and check for water shutoff. We will then proceed to drill a 7-7/8" hole through the Permo-Penn formation or to approximately 10,700 feet, evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2" casing, perforate and test.  |   |   |  | 2. Froposed Depth 16   | A. Formation  |  | 20. Hotery or C.T.   |  |
| PROPOSED CASING AND CEMENT PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP.  17-1/2" 13-3/8" 48# 375 375 Circulated  11" 8-5/8" 24 & 32# 4,400 350 2900  7-7/8" 5-1/2" 17# 10,700 300 9000  We propose to drill a 17-1/2" hole to 375 feet, set and cement 375 feet of 13-3/8" surface casing, drill an 11 inch hole to approximately 4400 feet, set and cement 8-5/8" intermediate casing at 4400 feet, allow 18 hours for the cement to set, and check for water shutoff. We will then proceed to drill a 7-7/8" hole through the Permo-Penn formation or to approximately 10,700 feet, evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2" casing, perforate and test.  NAME FOR LOWER FOR THE PROPOSED PROGRAM: If PROPOSED IS TO DEEPER ON SING BACK, GIVE DATA ON PRESENT TRODUCTIVE TORK AND PROFOSED NEW PRODUCTIVE TORK AND PROFOSED NEW PROPOSED NEW PROFOSED NE | 21. i levetions (Show whether DF)   | (RT, etc.) 21A. Kind  | & Status Plug. Bond 2  | 10,700<br>IB. Drilling Contractor  | Permo-P   |  |  |  |
| SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP  17-1/2" 13-3/8" 48  375 375 Circulated  11" 8-5/8" 24 & 32  4,400 350 2900  7-7/8" 5-1/2" 17  10,700 300 9000  We propose to drill a 17-1/2" hole to 375 feet, set and cement 375 feet of 13-3/8" surface casing, drill an 11 inch hole to approximately 4400 feet, set and cement 8-5/8" intermediate casing at 4400 feet, allow 18 hours for the cement to set, and cleck for water shutoff. We will then proceed to drill a 7-7/8" hole through the Permo-Penn formation or to approximately 10,700 feet, evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2" casing, perforate and test.  |   | Sta   | tewide   | Cactus   |   | Imme                                   | ediately   |  |
| 17-1/2" 13-3/8" 48# 375 375 Circulated  11" 8-5/8" 24 & 32# 4,400 350 2900  7-7/8" 5-1/2" 17# 10,700 300 9000  We propose to drill a 17-1/2" hole to 375 feet, set and cement 375 feet of 13-3/8" surface casing, drill an 11 inch hole to approximately 4400 feet, set and cement 8-5/8" intermediate casing at 4400 feet, allow 18 hours for the cement to set, and check for water shutoff. We will then proceed to drill a 7-7/8" hole through the Permo-Penn formation or to approximately 10,700 feet, evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2" casing, perforate and test.  | 23.   | F   | PROPOSED CASING AND  | CEMENT PROGRAM   |   |  |  |  |
| THE BESOND PROSERANT IN PROPOSED PROSERANT IN PROPOSED AND TEST THE PROPOSED HEAVER PRODUCTIVE 2015 AND PROSENT THE PROPOSED HEAVER PRODUCTIVE 2015 AND PROSENT THE PROPOSED AND PROPOSED AND PROSENT THE PROPOSED AND PROSENT THE PROPOSED AND PROSENT THE PROPOSED AND PROPO | SIZE OF HOLE  | SIZE OF CASING  | WEIGHT PER FOOT  | SETTING DEPTH  | SACKS OF  | CEMENT                                 | EST. TOP   |  |
| THE BASES PROPERLY PROPERLY PROPERLY IN PROPERLY IS TO DEFER OR PLUG BACK, GIVE DATA ON PROPERLY AND PROPERTED NEW PROPERTY IN THE BENGINGS.  11" 8-5/8" 10,700 300 9000  We propose to drill a 17-1/2" hole to 375 feet, set and cement 375 feet of 13-3/8" surface casing, drill an 11 inch hole to approximately 4400 feet, set and cement 8-5/8" intermediate casing at 4400 feet, allow 18 hours for the cement to set, and check for water shutoff. We will then proceed to drill a 7-7/8" hole through the Permo-Penn formation or to approximately 10,700 feet, evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2" casing, perforate and test.  NAME OF SPACE DESCRIBE PROPOSED PROGRAM: If PROPOSED IS TO DEFER OR PLUG BACK, GIVE DATA ON PROSEDIATION FROM THE PROPOSED NEW PR | 17-1/2"   | 13-3/8"   | 4.8#   | 375  |   |  | Circulated   |  |
| We propose to drill a 17-1/2" hole to 375 feet, set and cement 375 feet of 13-3/8" surface casing, drill an 11 inch hole to approximately 4400 feet, set and cement 8-5/8" intermediate casing at 4400 feet, allow 18 hours for the cement to set, and check for water shutoff. We will then proceed to drill a 7-7/8" hole through the Permo-Penn formation or to approximately 10,700 feet, evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2" casing, perforate and test.  NAME OF THE STATE DESCRIBE PROPOSED PROGRAM: If PROPOSED IS TO DEFER OF PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE FROM A BROWN OF THE STATE OF THE Engineer Date August 11, 1969  THE ENGINEER GOODSTOP OF THE PROPOSED IN THE ENGINEER OF THE ENGINEER DATE DATE.  THE ENGINEER DATE DATE AUGUST 11, 1969   |   | 8-5/8"  | 24 & 32#   | 4,400  | 1   |  | 2900   |  |
| surface casing, drill an 11 inch hole to approximately 4400 feet, set and cement 8-5/8" intermediate casing at 4400 feet, allow 18 hours for the cement to set, and check for water shutoff. We will then proceed to drill a 7-7/8" hole through the Permo-Penn formation or to approximately 10,700 feet, evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2" casing, perforate and test.  NABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSED A TO DEEPER OR PLUG BACK, GIVE DATA ON PRESENT PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PROPOSED NE | 7-7/8"  | 5-1/2"  | 17#  | 10,700   | 300   |  | 9000   |  |
| NABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRO | surface casing,<br>8-5/8" intermed<br>check for water<br>Permo-Penn form<br>horizons with e | drill an ll in iate casing at shutoff. We wation or to applectric logs, asing, perforat | ch hole to appr 4400 feet, allowed then proceed roximately 10,7 and if commercials and test. | oximately 4400 w 18 hours for d to drill a 7-00 feet, evalua 1 production is | feet, se<br>the ceme<br>7/8" hol<br>te all p<br>indicat | t and cent to see throughouselved, set | ement et, and gh the productive and  |  |
| NABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PROPOSED NE |   | 1.  | 3% /   |  | . <del>*</del>  |  |  |  |
| thereby certify that the lifty mation, above it true and complete to the best of my knowledge and belief.  Signed  |   |   |  |  |   |  |  |  |
| APPRIOVED BY Date Date Date DATE   | IN ABOVE SPACE DESCRIBE PE  | ROPOSEO PROGRAM: IT   | PROPOSAL IS TO DEEPEN OF   | R PLUG BACK, GIVE DATA ON  | PRESENT PRO   | DUCTIVE ZONE                           | AND PROPOSED NEW PRODUC-   |  |
| APPROVED BY  | (Million  | on above is true and com  |  |  |   |  | 13 1000  |  |
| APPROVED BY DATE   | Signed John S. Go   | odrich  | _ luteEngineer   |  |   | lateAug                                | ust 11, 1969   |  |
|  | (This space for   | A. fr   |  |  |   | 73 · · · ·                             |  |  |
|  | CONCITIONS OF APPROVAL, IE  |   | TITLE  | <u> </u>   | С   | ATE                                    |  |  |