| Property Code Property Name Well No. 3 455 2 Sangper State 5 UL or lot no Section Township Range Lot Idn Feet from the North/South line Feet from the East/Nest line County P 14 168 33E Coloration North/South line Feet from the County Lea Proposed Bottom Hole Location If Different From Surface UL or tot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Proposed Bottom Hole Location If Different From Surface UL or tot No. Section Township Range Lot Idn Feet from the North/South line Feet from the County Weideat Grayburg Lot Idn Feet from the North/South line Feet from the County Work Type Code Well Type Code Cable/Rotary Lease Type Code Ground Level Elevation E O R S 4174' Multiple Proposed Depth Formation Contractor Sput Date Yes Casing weight/foot Secting Depth Secting Oregram Hole Size <td< th=""><th>E District I PO Box 1980, Hot District II 811 S. 1st Street A District III 1000 Rio Brazos F District IV PO Box 2088, San APPLICA</th><th>rtesia, NM Rd, Aztec, N ta Fe, NM 8</th><th>88210-1404 NM 87410 7504-2088</th><th>RMIT 7</th><th>Energy, Mir DIL CON Santa TO DRII Operator lack Energy P.O. E</th><th>SERVATI PO Box 2 Fe, NM 8</th><th>Resourses Departr ON DIVIS 088 7504-2088 ITER, DEE</th><th>ION</th><th></th><th>nit 43 A</th><th>AMENI OR AD</th><th>Form C-101 bruary 10, 1994 ructions on back e District Office lease - 60 opies case - 5 copies DED REPORT D A ZONE D A ZONE 13837 1 Number</th></td<> | E District I PO Box 1980, Hot District II 811 S. 1st Street A District III 1000 Rio Brazos F District IV PO Box 2088, San APPLICA | rtesia, NM Rd, Aztec, N ta Fe, NM 8 | 88210-1404 NM 87410 7504-2088 | RMIT 7 | Energy, Mir DIL CON Santa TO DRII Operator lack Energy P.O. E | SERVATI PO Box 2 Fe, NM 8 | Resourses Departr ON DIVIS 088 7504-2088 ITER, DEE | ION | | nit 43 A | AMENI OR AD | Form C-101 bruary 10, 1994 ructions on back e District Office lease - 60 opies case - 5 copies DED REPORT D A ZONE D A ZONE 13837 1 Number |
|--|--|---|---|---------------------------------------|---|--|--|---------|---------------|----------|----------------|--|
| Surface Location UL or let no. Section Township Range Lot Idn Feet from the North/South line Feet from the Let Idn Proposed Pool 2 Wildcat Grayburg Cable/Rotary Lease Type Code Gound Level Elevation E O R S 41174' Multiple Proposed Depth Proposed Cosing and Cement Program Hole Size Casing weight/foot Setting Weight/foot Vertice Code Casing and Cement Program Belevel to the proposed Depth Proposed Cas | Proper | ty Code | | | | Pr | operty Name | | • | | 1 | Well No. |
| UL or lot no. Section Township Range Lot Idn Feet from the 660 East County P 14 16S 33E 660 South 660 East Lea Proposed Bottom Hole Location If Different From Surface UL or lot No. Section Township Range Lot Idn Feet from the Proposed Pool 2 Proposed Pool 1 Wildcat Grayburg 974449 Hume Queen West \$235569 Work Type Code Well Type Code Casing Size Casing And Contractor Spud Date Yes 4600' Queen/Grayburg 6/30/2005 6/30/2005 Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg 275 sx Circulated 0 Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 9 7/8 7 5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the blowout prevention program. I | 34 | 552 | | | | St | happer State | | | | | 5 |
| P 14 16S 33E 660 South 660 East Lea Proposed Bottom Hole Location If Different From Surface UL or tot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Proposed Pool 1 Proposed Pool 2 Wildcat Grayburg (91444) Hume Queen West (335560) Well Type Code E O R S 4174' Multiple Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg 6/30/2005 6/30/2005 Proposed Casing and Cement Program Hele Size Casing wigh/foot Sack of Cement Estimated TOC 9 7/8 7.5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the blowout prevention program. Multiple in proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive z | | | | | | Surface | Location | | | | | |
| Proposed Bottom Hole Location If Different From Surface UL or lot No Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Proposed Pool 1 Proposed Pool 2 Wildcat Grayburg (97444) Hume Queen West (33556) Work Type Code Well Type Code Cable/Rotary Lease Type Code Ground Level Elevation E O R S 4174' Multiple Proposed Depth Formation Contractor Spud Date Yes Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 9 7/8 7 5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Mack Energy Corporation proposes to Re-enter the formatify State WQ #1 now Snapper State #5 to a depth of Addottion and complete to the best Orporation proposes to Re-enter the formatify State WQ #1 now Snapper State #5 to a depth of OLST Signature OLST Signature OLST Signature | UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South I | ine | Feet from the | East/W | est line/ | County |
| UL or tot No Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Proposed Pool 1 Wildcat Grayburg \$\frac{91444}{9144}\$ Proposed Pool 2 Widdcat Grayburg \$\frac{91444}{9144}\$ Proposed Pool 2 Work Type Code Cable/Rotary Lease Type Code Ground Level Elevation E O R S 4174' Multiple Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg 6/30/2005 O Proposed Casing and Cement Program Hele Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 9.7/8 7.5/8 24 320' 275 sx Circulated O 6 1/4 4.1/2 11.5 4600' 750 sx 0 Make Energy Corporation is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the proposed program, i | Р | 14 | 16S | 33E | | 660 | South | | 660 | F | East | Lea |
| Proposed Pool 1 Proposed Pool 2 Wildcat Grayburg ground Level Elevation E O R S Multiple Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg 6/30/2005 Proposed Casing and Cement Program Estimated TOC 97/8 75/8 24 320' 275 sx 0 Hole Size Casing Size Casing wight/foot Setting Depth Sacks of Cement Estimated TOC 97/8 75/8 24 320' 275 sx 0 6 1/4 4 1/2 11.5 4600' 750 sx 0 | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| Wildcat Grayburg YP1444 Hume Queen West \$33560 Work Type Code Well Type Code Cable/Rotary Lease Type Code Ground Level Elevation E O R S 4174' Multiple Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg 6/30/2005 Proposed Casing and Cement Program Hele Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 9 7/8 7 5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUO BACk give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any, Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. Pearmit Expires 1 Year From AppTOV31 Parmit Expires 1 Year From AppTOV31 Parmit Expires 1 Year From AppTOV31 Parmit Expires 1 Year From AppTOV31 Printed name: <td>UL or lot No.</td> <td>Section</td> <td>Township</td> <td>Range</td> <td>Lot Idn</td> <td>.Feet from the</td> <td>North/South 1</td> <td>ine</td> <td>Feet from the</td> <td>East/W</td> <td>/est line</td> <td>County</td> | UL or lot No. | Section | Township | Range | Lot Idn | .Feet from the | North/South 1 | ine | Feet from the | East/W | /est line | County |
| Wildcat Grayburg YP1444 Hume Queen West \$33560 Work Type Code Well Type Code Cable/Rotary Lease Type Code Ground Level Elevation E O R S 4174' Multiple Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg 6/30/2005 Proposed Casing and Cement Program Hele Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 9 7/8 7 5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUO BACk give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any, Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. Pearmit Expires 1 Year From AppTOV31 Parmit Expires 1 Year From AppTOV31 Parmit Expires 1 Year From AppTOV31 Parmit Expires 1 Year From AppTOV31 Printed name: <td></td> <td></td> <td>Bronose</td> <td>d Rool 1</td> <td></td> <td></td> <td></td> <td></td> <td>Deces</td> <td>10.10</td> <td></td> <td></td> | | | Bronose | d Rool 1 | | | | | Deces | 10.10 | | |
| Work Type Code Well Type Code Cable/Rotary Lease Type Code Ground Level Elevation E O R S 4174' Multiple Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg Contractor Spud Date Proposed Casing and Cement Program Backs of Cement Estimated TOC 97/8 75/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowur program, if any. Use additional abeets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2'' casing and cement. Put well on production. Poermit Expires 1 Year From ApproVal Poermit Expires 1 Year From ApproVal OIL CONSERVATION DIVISION Approval bate: OIL CONSERVATION DIVISION Approval bate: PETROLEUM ENGINEER Title: PETROLEUM ENGINEER Production Clerk Poproval bate: Conditions of Approval: | | | - | | 10 | SILLIS | ; | | - | | | 2-1-1-1 |
| E O R S 4174' Multiple Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg Goad Contractor Spud Date Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 9 7/8 7 5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4 600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUC BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any, Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2'' casing and cement. Put well on production. Parmit Expires 1 Year From Approval Parmit Expires 1 Year From Approval Parting Unless Dritting Unless WW Approval Parmit Expires 1 Year From Approval Parting Unless Dritting Unless WW Approval Partine frame Jerry W. Sherrell Tide: PETROLEUM ENGINEER Tide: Production Clerk Approval: Parting UN 2 9 2005 Expinition Date | | | whiteat | Jiayouig | <u> </u> | (444) | | · · · · | Hume Qu | een we | st St | <u>23560)</u> |
| Multiple Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg 6/30/2005 Proposed Casing and Cement Program Backs of Cement Estimated TOC 9 7/8 7 5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2' casing and cement. Put well on production. Permit Expires 1 Year From ApproVal Permit Expires 1 Year From ApproVal Date Unless Dritting Uncleavely Approval by: Re - Entry Approval by: Pate Unless Permit Permit Thereby certify that the information given above is true and complete to the best of my knowledge and belief OIL CONSERVATION DIVISION Parenter Permit State # Permit State # Permit State # Pinted name: Ierry W. Sherrell Tite: PETROLEUM ENGINEER <tr< td=""><td>Work Ty</td><td>pe Code</td><td>· · · ·</td><td>Well Type</td><td>Code</td><td>Cable</td><td colspan="5">ble/Rotary Lease Type Code Ground Level Ele</td><td>Level Elevation</td></tr<> | Work Ty | pe Code | · · · · | Well Type | Code | Cable | ble/Rotary Lease Type Code Ground Level Ele | | | | | Level Elevation |
| Multiple Proposed Depth Formation Contractor Spud Date Yes 4600' Queen/Grayburg 6/30/2005 Proposed Casing and Cement Program Backs of Cement Estimated TOC 9 7/8 7 5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2' casing and cement. Put well on production. Permit Expires 1 Year From ApproVal Date Unless Dritting UnclearWay Re - Entry OIL CONSERVATION DIVISION Approval by: Permit Expires 1 Year From ApproVal Re - Entry Permit Division way Date Unless OIL CONSERVATION DIVISION Approval by: Permit Expires 1 Year From ApproVal Re - Entry Permit Expires 1 Year From ApproVal Re - Entry Permit Expires 1 Year From ApproVal Re - Entry < | E | ļ | | 0 |) | | R | | s | | 4174' | |
| Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 9 7/8 7 5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. Permit Expires 1 Year From Approval Date Unless Dritting Unless Way Date Unless Dritting Unless Way Date Unless Dritting Unless Way OIL CONSERVATION DIVISION Approval big Inter: PEROLEUM ENGINEER Title: Production Clerk Approval Date: JUN 2 & 2005 Expintion Date | Mult | tiple | | Proposed Depth | | Formation | | | Contractor | | | |
| Hole Size Casing Size Casing weight/Toot Setting Depth Sacks of Cement Estimated TOC 9 7/8 7 5/8 24 320' 275 sx Circulated 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. Permit Expires 1 Year From Approval Data Unless Dritting Underway Data Unless Dritting Underway Data Unless Dritting Underway I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature OIL CONSERVATION DIVISION Approval by: Re - Entry Printed name: Jerry W. Sherrell Title: PETROLEUM ENGINEER Approval Date: JUN 2 9 2005 Pate: Phone: Conditions of Approval: Expintion Date | Ye | es | | 4600 | Queen | | /Grayburg | | | | 6/30/2005 | |
| 97/8 75/8 24 320' 275 sx Circulated 61/4 41/2 11.5 4600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 41/2" casing and cement. Put well on production. Permit Expires 1 Year From Approval Date Unless Drilling Underway Date Unless Drilling Underway Re-Entry OIL CONSERVATION DIVISION 1 hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature OIL CONSERVATION DIVISION Printed name: Jerry W. Sherrell Title: PETROLEUM ENGINEER Title: Production Clerk Approval Date: UN 2 9 2005 Expinition Date Date: Phone: Conditions of Approval: | _ | | | Р | roposed | Casing ar | nd Cement | Pro | gram | | | |
| 6 1/4 4 1/2 11.5 4600' 750 sx 0 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. Permit Expires 1 Year From Approval Date: Dill CONSERVATION DIVISION Approval by: Re-Entry Approval by: Printed name: Jerry W. Sherrell Title: Production Clerk Approval Date: UN 2 9 2005 Date: Phone: Conditions of Approval: | Hole Si | ze | Casir | ig Size | Casir | ng weight/foot | Setting D | epth | Sacks of | f Cement | : 1 | Estimated TOC |
| Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. Permit Expires 1 Year From Approval Date Unleast Dritting Underway Date Unleast Dritting Underway Mack Energy Corporation groups above is true and complete to the best of my knowledge and belief Signature Printed name: Jerry W. Sherrell Title: Production Clerk Date: Phone: | | | 7 : | 5/8 | | | | | | | | Circulated |
| Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. Permit Expires 1 Year From Approval Permit Expires 1 Year From Approval Diversion Permit Expires 1 Year From Approval Permit Expires 1 Year From Approval Diversion Proval Date: OIL CONSERVATION DIVISION Approval Date: PEROLEUM ENGINEER Title: Permotic Clerk Approval Date: JUN 2 9 2005 Expinition Date | 6 1/4 | | 4 : | /2 | | 11.5 | 4600' | | 750 |) sx | | 0 |
| Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. Permit Expires 1 Year From Approval Permit Expires 1 Year From Approval Diversion Permit Expires 1 Year From Approval Permit Expires 1 Year From Approval Diversion Proval Date: OIL CONSERVATION DIVISION Approval Date: PEROLEUM ENGINEER Title: Permotic Clerk Approval Date: JUN 2 9 2005 Expinition Date | | | | | | | | | | | | |
| zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter the formerly State WQ #1 now Snapper State #5 to a depth of 4600' log well and evaluate the Queen/GB formation, run 4 1/2" casing and cement. Put well on production. Permit Expires 1 Year From Approval Date Year From Approval Permit Expires 1 Year From Approval Date: I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature OIL CONSERVATION DIVISION Printed name: Jerry W. Sherrell Title: Printed name: Jerry W. Sherrell Title: Production Clerk Approval Date: UN 2 9 2005 Date: Phone: Conditions of Approval: | | | | | i | | | | | | | |
| of my knowledge and belief Signature OIL CONSERVATION DIVISION Printed name: Jerry W. Sherrell Printed name: Jerry W. Sherrell Title: Production Clerk Date: Phone: OIL CONSERVATION DIVISION | zone. Describe | the blowou N | t prevention fack Energe evaluate the | y Corpor | any. Use add ation propo GB formati | litional sheets if i oses to Re-enter on, run 4 1/2" | r the formerly casing and cer | State | WQ #1 now S | napper | State #5 t | |
| Signature Approval by: Printed name: Jerry W. Sherrell Title: Production Clerk Date: Phone: | | | rmation give | above is t | ue and comp | lete to the best | | | ONICEDVA | | DIVIO | |
| Printed name: Jerry W. Sherrell Title: PETROLEUM ENGINEER Title: Production Clerk Approval Date: JUN 2 9 2005 Expintion Dstc Date: Phone: Conditions of Approval: | | | | | | | | | | | | |
| Jerry W. Sherrell PETRULEUM ENGINEER Title: Production Clerk Approval Date: JUN 2 9 2005 Expintion Dstc Date: Phone: Conditions of Approval: | Printed name: | | | | | | - Miller | | | | | |
| Production Clerk Approval Sate Explicition Date Date: Phone: Conditions of Approval: | // Jerry W. Sherrell | | | | | | | | | | | |
| | | | Productio | 1 | | | •• • | IN 15 | a 7003 | Expintio | n Dstc | |
| 0/22/2005 (505)/48-1288 Attached L | | 10010005 | | | | | | | | | | |
| | 6/ | 22/2005 | | and the set oppose the | (505)748-1 | 288 | | | | | | |

•

| | | | | | | 1 | 128293037 |
|---|--|---|---|---------------|--------------------------------------|--|--|
| | | NEW MEXICO L LOCATION INSTRUCTIONS FOR | DIL CONSERVA | TION CON | AMISSION | 2220 | FORM C- Révised 5/1 |
| | WEL | L LOCATION | AND ACREAG | E DEDIC | ATION PL | AT | |
| | SEE II | STRUCTIONS FOR | COMPLETING THIS | FORM ON T | HE REVERSE | SIDE | |
| | | | SECTION A | \ | | the state | |
| perator Maak | Energy Corpo | | Lease | oper Stat | | | Veil No. |
| mack | Section | Township | Range | | ounty | <u> </u> | 2 HELPLO |
| P | 14 | 163 | | 33E | L | 91 | |
| tual Footage 1 | Location of Well: | south lin | e and 660 |) instit | om the OAS | t. | ipe |
| ound Level El | feet from the ev. Producing | | Pool | | | | ated Acreage: |
| 4174 | 1 | Grayburg | Wilde | cat | 29744 | (字) | h0 ^ |
| another. (65 If the answer wise? YES_ | -3-29 (e) NMSA 1 to question one is NO | nd to produce from an 935 Comp.) ''no,'' have the inte If answer is ''yes,'' ''no,'' list all the o | rests of all the own Type of Consolidati | on | olidated by con | | |
| wher | | | | d Description | | | |
| | <u></u> | | | | | | |
| | | | | | | | |
| | D | SECTION B | в | | | CERI | IFICATION |
| | E | F | C | | H H H H H | e to the bes ef. C e R A. Lover ition trict Ba pany 11 O11 C | ploitation E |
| | L | ĸ | | | | 3 • | |
| | | | | | shov plott surv supe and | m on the pla ed from fiel eys made by rvision, and | that the well locat at in SECTION B d notes of actual me or under my that the same is e best of my know |
| | M | N | 0 | | x1 | Aurveyed Rack Chapman, Jr. Oil Company | J.J. 19 , Chief Surveyor |

____ +

| • | | | | | | | | | 621282930 | 37 | |
|--|--------------------------------|---|----------------------------|------------------------------|---|-------------------|----------|----------|--|---|-------------------------------------|
| . • | | | | | | | | /. | 12621282930 | 22 | |
| | | NEW | | O OIL C | | | | 2 | ્રે અને સ્વેતુ પ્રક્ર | PORM ROTA | C - 128 d 5/1/57 |
| | | SEE INSTRUCT | | | | | | <u></u> | <u></u> | | |
| | | SEE INSTRUCT | IUNS r | | ECTION | | | | A COLORING | <u>. 1925 - 10</u> | • 3 |
| Operator | | | <u></u> | L | ease | | | | Int GLAL | Well No. | - |
| | | Corporation | | | | apper | | | | |) |
| Unit Letter P | Section | Town | | 63 | Range | 3 | 3E | ounty | Los | | ····· |
| Actual Footage L | | | | | | 60 | | | | ı. | |
| 660 | feet from | | uth | line and | ool | | feet fro | on the | Dedi | line cated Acreag | F ' |
| Ground Level Ele 4174 | v. Pro | ducing Formation Oueen | | | | e Quee | n Wes | et (| 33560 | 40 | Acres |
| 41/4 | | Queen | | I | | <u>c que</u> | | | | | |
| another. (65- 2. If the answer wise? YES 3. If the answer | -3-29 (e) to question NO | NMSA 1935 Comp one is "no," h If answer | .) we the i is ''ye: | interests of s,'' Type of | all the ow Consolide id their res | mers bee ation | interest | olidated | · _ · · · · · · · · · · · · · · · · · · | | |
| Owner | | | | | | and Des | cription | | | | |
| | · | | | | | | | | | | |
| | | | | | | | | | | | |
| | | S E | CTION | 18 | | | | | | TIFICATION | |
| · | D | | c | | В | | | ٨ | | | |
| | | | | | ** | | | | R. A. Lover | above is true st of my know Driginal Sign R. A. LOW | e and com ledge and |
| | E | | F | | C | | | н | Position District D Company Shell Oil (Date APR 3 | rploitati Company 1963 | on Bag |
| | | · | K | | | | | 1 | l hereby certify shown on the pl plotted from fie surveys made b supervision, an and correct to t | latin SECTIO Idnotes of ac yme orunder dthat the sac | DNB was tual my ne is true |
| | | | N | | 0 | | 0 | | and belief. Date Surveyed M.U.S.C.K. T. J. Chapman, J Sholl Oil Compan | r., Chief Surve | <u>146</u> yor |

Mack Energy Corporation Minimum Blowout Preventer Requirements 2000 psi Working Pressure 2 MWP EXHIBIT #1-A

| NO. | Items | Min. | Min. | |
|------|---|---------|-------------|--|
| 110. | Toms | l.D. | Nominal | |
| 1 | Flowline | 1.D. | 2" | |
| 2 | Fill up line | | 2" | |
| 3 | Drilling nipple | | | |
| 4 | Annular preventer | | | |
| 5 | Two single or one dual hydraulically operated rams | | | |
| 6a | Drilling spool with 2" min. kill line and 3" min choke line outlets | | 2" Choke | |
| 6b | 2" min. kill line and 3" min. choke line outlets in ram. (Alternate to 6a above) | | | |
| 7 | Valve Gate Plug | 3 1/8 | | |
| 8 | Gate valve-power operated | 3 1/8 | | |
| 9 | Line to choke manifold | | 3" | |
| 10 | Valve Gate Plug | 2 1/16 | | |
| 11 | Check valve | 2 1/16 | | |
| 12 | Casing head | | | |
| 13 | Valve Gate Plug | 1 13/16 | · • • | |
| 14 | Pressure gauge with needle valve | | | |
| 15 | Kill line to rig mud pump manifold | | 2" ' | |

OPTIONAL





CONTRACTOR'S OPTION TO FURNISH:

Flanged Valve

16

- 1. All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 2000 psi minimum.
- Automatic accumulator (80 gallon, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
- BOP controls, to be located near drillers' position.
- 4. Kelly equipped with Kelly cock.
- Inside blowout preventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used.
- 6. Kelly saver-sub equipped with rubber casing protector at all times.
- 7. Plug type blowout preventer tester.
- Extra set pipe rams to fit drill pipe in use on location at all times.
- 9. Type RX ring gaskets in place of Type R.

MEC TO FURNISH:

- 1. Bradenhead or casing head and side valves.
- 2. Wear bushing. If required.

GENERAL NOTES:

1 13/16

- 1. Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through choke valves must be full opening and suitable for high pressure mud service.
- 3. Controls to be of standard design and each marked, showing opening and closing position
- 4. Chokes will be positioned so as not to hamper or delay changing of choke beans. Replaceable parts for adjustable choke, or bean sizes, retainers, and choke wrenches to be conveniently located for immediate use.
- 5. All valves to be equipped with handwheels or handles ready for immediate use.
- 6. Choke lines must be suitably anchored.

- 7. Handwheels and extensions to be connected and ready for use.
- Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- All seamless steel control piping (2000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
- 10. Casinghead connections shall not be used except in case of emergency.
- 11. Do not use kill line for routine fill up operations.



Mack Energy Corporation Exhibit #1-A

Exhibit #1-A MIMIMUM CHOKE MANIFOLD 3,000, 5,000, and 10,000 PSI Working Pressure 2 M will be used or greater 3 MWP - 5 MWP - 10 MWP





Reserve Pit

* Location of separator optional

Below Substructure

| | | | | wiimin | um requ | irements | | | | | |
|-----|---|------------|---------|--------|---------|----------|--------|---------|---------|--------|--|
| | 3,000 MWP 5,000 MWP 10,000 MWP | | | | | | | | | | |
| No. | | I.D. | NOMINAL | Rating | I.D. | Nominal | Rating | I.D. | Nominal | Rating | |
| 1 | Line from drilling Spool | | 3" | 3,000 | | 3" | 5,000 | | 3" | 10,000 | |
| 2 | Cross 3" x 3" x 3" x 2" | | | 3,000 | | | 5,000 | | | | |
| 2 | Cross 3" x 3" x 3" x 2" | | | | | | | | | 10,000 | |
| 3 | Valve Gate Plug | 3 1/8 | | 3,000 | 3 1/8 | | 5,000 | 3 1/8 | | 10,000 | |
| 4 | Valve Gate Plug | 1 13/16 | | 3,000 | 1 13/16 | | 5,000 | 1 13/16 | | 10,000 | |
| 4a | Valves (1) | 2 1/16 | | 3,000 | 2 1/16 | | 5,000 | 2 1/16 | | 10,000 | |
| 5 | Pressure Gauge | | | 3,000 | | | 5,000 | | | 10,000 | |
| 6 | Valve Gate Plug | 3 1/8 | | 3,000 | 3 1/8 | | 5,000 | 3 1/8 | | 10,000 | |
| 7 | Adjustable Choke (3) | 2" | · · · | 3,000 | 2" | | 5,000 | 2" | | 10,000 | |
| 8 | Adjustable Choke | 1" | | 3,000 | 1" | | 5,000 | 2" | | 10,000 | |
| 9 | Line | | 3" | 3,000 | | 3" | 5,000 | 1 | 3" | 10,000 | |
| 10 | Line | | 2" | 3,000 | | 2" | 5,000 | | 2" | 10,000 | |
| 11 | Valve Gate Plug | 3 1/8 | | 3,000 | 3 1/8 | | 5,000 | 3 1/8 | | 10,000 | |
| 12 | Line | | 3" | 1,000 | | 3" | 1,000 | | 3" | 2,000 | |
| 13 | Line | | 3" | 1,000 | | 3" | 1,000 | | 3" | 2,000 | |
| 14 | Remote reading compound Standpipe pressure quage | 1. | | 3,000 | | | 5,000 | | | 10,000 | |
| 15 | Gas Separator | | 2' x5' | | | 2' x5' | | | 2' x5' | 1 | |
| 16 | Line | | 4" | 1,000 | | 4" | 1,000 | | 4" | 2,000 | |
| 17 | Valve Gate Plug | 3 1/8 | | 3,000 | 3 1/8 | | 5,000 | 3 1/8 | | 10,000 | |

Mimimum requirements

(1) Only one required in Class 3M

(2) Gate valves only shall be used for Class 10 M

(3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTION

1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.

2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.

3. All lines shall be securely anchored.

4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.

T 1.00

<u>,</u> 3" ...

5. Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.

6. Line from drilling spool to choke manifold should bee as straight as possible. Lines downstream from chokes shall make turns by large bends or 90 degree bends using bull plugged tees.

1.000

Mack Energy Corporation Exhibit #1-A BOPE Schematic

÷



Choke Manifold Requirement (2000 psi WP) No Annular Required



District 1 1625 N. French Dr., Hobbs, 71M 88240

District III

District II 1301 W. Grand Avenue, Artesia, NM 88210

1000 Rio Brazos Road, Azles, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Form C-144 March 12, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

State of New Mexico

Energy Minerals and Natural Resources

For drilling and production facilitics, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fc office

| Is pit or below-grade tar Type of action: Registration of a pit o | ade Tank Registration or Clos nk covered by a "general plan"? Yes 🛛 N or below-grade tank 🎗 Closure of a pit or below- | | | |
|--|--|--|--|--|
| P O Boy 960 Artesia, NM 88211-0960 | (505)748-1288_ e-wail address: jerrys@ms | | | |
| Snaprier State #5 | 5-20427 U/L or Qtr/Qtr P Sec 14 T | <u>165 R 33E</u> | | |
| ounty of weil name: Latitude Longitude | NAD: 1927 🗍 1983 🗌 Surface | : Owner Fedoral 🛄 State 🔀 Private 🛄 Indian 🛄 | | |
| it | Below-crade tank | | | |
| vpe: Drilling 🛄 Production 🛄 Disposal 🛄 | Volume:bbl Type of fluid: | | | |
| | Construction material: Double-walled, with leak detection? Yes [] If | foot explain why not | | |
| ined 🖾 Unlined 🗌 | | t in the exhibition and include | | |
| iner type: Synthetic 🖾 Thickness <u>12</u> mil Clay 🔲 Volume 00 bbl | | | | |
| | Less than 50 feet | (20 points) | | |
| epth to ground water (vertica, distance from bottom of pit to seasonal high | 50 feet or more, but less than 1 00 feet | (10 points) | | |
| rater elevation of ground water.) | 100 feet or more | (⁰ points) 0 Points | | |
| | | | | |
| Vellhead protection area: (Lets than 200 feet from a private domestic | Yes | (20 points) | | |
| vater source, or less than 1000 feet from all other water sources.) | Νο | (0 points) O Points | | |
| | Less than 200 feet | (20 points) | | |
| Distance to surface water: (horizontal distance to all wetlands, playas, | 200 feet or more, but less than 1000 feet | (10 points) | | |
| rrigation canals, ditches, and perennial and ephemeral watercourses.) | 1000 feet or more | (⁰ points) 0 Points | | |
| - | | 0 Points | | |
| | Ranking Score (Total Points) | 0 Points | | |
| If this is a pit closure; (1) attach a diagram of the facility showing the pit | t's relationship to other equipment and tanks. (2) In | dicate disposal location: | | |
| onsite offsite If offsite, name of facility | | action taken including remediation start date and cr | | |
| dute. (4) Groundwater encountered: No 🗖 Yes 🔲 If yes, show depth by | clow ground surfaceft, and attach 5 | ample results. (5) Attach soil sample results and a | | |
| diagram of sample locations and excavations. | - | | | |
| thereby certify that the information above is true and complete to the best been/will be constructed or closed according to NMOCD guidelines | , a general permit (23, of an (attached) atternation | | | |
| Date: 6/28/2005 | Clause 41 Sha | | | |
| Date: 6/28/2005 Printed Name/TitleJerry V/. Sherrell/Production Clerk Your certification and NMOCD approval offhis application/closure does no | Signature | as of the pit or least conteminate ground water of | | |
| Your certification and NMOCD approval offitis application/closure does no otherwise endanger public health or the environment. Nor does it relieve th regulations. | to relieve the operator of liability should the contain the operator of its responsibility for compliance with | a my other federal, state, or local laws and/or | | |
| Approval: | | | | |
| Date: | | | | |
| Printed Name/Title | Signature | | | |
| JUN 2 BETROLEUM ENGINEER | | , | | |