MAY 18 2 (FESUBMITTAL (March 2012).       FATE-13-979         Provide A 100-21 (March 2012).       UNITED STATE RECEIVED oct Artesia DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT       Status Strint Mo. NM-108-213         APPLICATION FOR PERMIT TO DRILL OR REENTER       1. Endoar, Altese or Tribe Name MA         In. Type of weak:       DRILL       REENTER         In. Type of weak:       DOI Wet Case Strint Mo. NA         In. Type of weak:       DOI Wet Case Strint Mo. NA         In. Type of weak:       DOI Wet Case Well Other       Single Zane         In. Type of weak:       DOI Wet Case Well Other       Single Zane         In. Type of weak:       DOI For Case Well       Other Case Strint Mo. NA         In. Type of weak:       DOI Wet Case Well Other       Single Zane         In. Social Fourth Street Artesia, New Moxice 88210       35. Phone No. (include area endor 30. Social or 21245-R29E         Include Brance Store Weak Street Artesia, New Moxice 88210       Social Total Street Artesia, New Moxice 88210         In. Diverse in allog Brance Total Street Artesia, New Moxice 88210       10. Field and Pool, or Exploritary Undesignated Brance Total Pool Artesia Artesia, New Moxice 88210         In. Diverse in allog Brance Total Pool Artesia Artesia, New Moxice 88210       10. Field and Pool, or Exploritary Undesignated Brance Total Pool Artesia Artesia, New Moxice 88210         In. Diverse Total Pooptice Artesia, New Moxice 88210 <t< th=""><th>Area 1983       March 2012       Description       Description       Description         Provide 2012       Description       Description       State 1000000000000000000000000000000000000</th><th>NM O</th><th>IL CONSER</th><th>VATION</th><th></th><th></th><th>070</th></t<>	Area 1983       March 2012       Description       Description       Description         Provide 2012       Description       Description       State 1000000000000000000000000000000000000	NM O	IL CONSER	VATION			070
For 380-3 (March 2012)       UNITED STATE RECEIVED OCO Artesia       Index of the state of the state State State State BUREAU OF LAND MANAGEMENT         APPLICATION FOR PERMIT TO DRILL OR REENTER       APPLICATION FOR PERMIT TO DRILL OR REENTER       NM-106213         Ia. Type of work:       DBRILL       REENTER       I If fuid, Mildee or Tribe Name NAM         Ia. Type of work:       DBRILL       REENTER       I If fuid, Mildee or Tribe Name NA         Ia. Type of work:       DBRILL       REENTER       I If Unit or CA Agreemen, Name and Ne. NA         Ib. Type of Well:       DOI Well       Gas Well Oto       I Single Zone       Multiple Zone       I. Case: Name and Well Ne. Jester F61/ Foderal #5-H         2. Name of Operator YATES PETROLEUM CORPORATION       S Address; 105 South Fourth Street Artesia, New Mokilos 88210       ST5-748-4347       Undeal and Vol, or Explorating Undeal and Street Association of the Report New Mokilo 2000 PML, Unit LI'M Sec. 12-7248-R29E       I I. Sec. T. R. M or Bik and Survey or Area Section 12-7248-R29E         A proposed motion from namest town or pad office Approximately 37 miles and direction from namest town or pad office Matrice 303 FTNL 8 2310 FWL, Unit LI'M Sec. 12-7248-R29E, BHL       I 2. County or Parish NM       I 3. State S20 acres         15. Datance Composed Instruct Regression Regressin Reg	General Step 3: (March 2012)       UNITED STATE SECEVED OCD Artesia DEPARTMENT OF THE INTERNOR BURGAU OF LAND MANAGEMENT       Internet Step 3: Step		MAY 1 8 2	RESURMIT	<b>7A</b> I	A12-13-	979
APPLICATION FOR PERMIT TO DRILL OR REENTER       NA	APPLICATION FOR PERMIT TO DRILL OR REENTER       NA       NA         Ia. Type of work:       DRILL       REENTER       NA         Ib. Type of work:       DRILL       REENTER       NA         Ib. Type of work:       DRILL       REENTER       NA         Ib. Type of Well:       O Well       Gas Well       Other       Single Zone       Multiple Zane         Ja. Address       105 South Fourth Street       ST5-784-4347       Jonesignated Done Spring       Jonesignated Done Spring         3a. Address       105 Routh Fourth Street       ST5-784-4347       Undesignated Done Spring       Jonesignated Done Spring         4. Location of Well (Riger) tootion clearly with maximum contex with any State reperments?)       Its.sec, T. R. M. or Bik and Survey or Area         5. Attraction of Well (Riger) tootion clearly with maximum contex solitage       Jone State Toop Provided Toop State Provide Toop Provide Too Pro	Form 3160-3 (March 2012) DEPARTMENT OF THE BUREAU OF LAND MA	E INTERIOR	D OCD Artesi	AL. 3	FORM AP OMB No. 1 Expires Octot 5. Lease Serial No. NM-105213	PROVED 304-0137 er 31, 2014
Ia. Type of work:       DRILL       DRILL       REENTER       7. If Unit or CA Agreement, Name and No. NNA         Ib. Type of work:       Dott       Gas Well       Other       Single Zone       NUMultiple Zone         2. Name of Operator YATES PETROLEUM CORPORATION       9. API Well No.       Jaster 6FJ. Fedoral #5-H       9. API Well No.         3a. Address       105 South Fourth Street Attesian, New Maxico 88210       575-748-4347       Undesigned Bone Spring         1. Leation TWU (Rigori Kouton Carbo out in accordance with any bare regulations 1)       1. Sec. T. R. M. of NBL and Sarvey or Area         At surface       330' FSL & 1980' FWL, Unit Ltr C Sec. 12-T24S-R29E       BHL         14. Distance in miles and direction from nazest town or pot office"       12. County or Parish       13. State         15. Distance from proposed       330' and paperoxinitately 1660'       19. Proposed Depth       12. Scintra Unit dedicated to this well         16. No of acress in lease       17. Specing Unit dedicated to this well       20. BL/M#IB Bool No. on file         18. Distance from proposed portion the requirements of Oneshore Oil and Gas Order No.1, must be attached to this well       20. BL/M#IB Bool No. on file         19. Distance from proposed portion the requirements of Orshore Oil and Gas Order No.1, must be attached to this well       20. BL/M#IB Bool No. on file         18. Distance from proposed porodignmut       Approximately 1660'       <	Ia. Type of work:       DRIL       REENTER       7 If Unit or CA Agreement, Name and No. NA         Ib. Type of work:       DO at Well       Gas Well       Gas Well       Other       Single Zone       Multiple Zone       NA         1b. Type of Welt:       DO at Well       Gas Well       Other       Single Zone       Multiple Zone       Single Zone       NA         2. Name of Operator       YATES PETROLEUM CORPORATION       Soluth Fourth Street       Soluth	APPLICATION FOR PERMIT T	o drill or	REENTER		N/A	THUC Name
15. Type of Well:       O I Well       Gas Well       Other       Single Zone       Multiple Zone       Active Sector BT FORGAPH #5-H         2. Name of Operator YATES PETROLEUM CORPORATION       9. API Well No.       9. API Well No.         3a. Address       105 South Fourth Street       3b. Phone No. (include area code)       10. Field and Pool or Exploratory         4. Location of Well (Repart beatine clearly and in accordures with any State requirements 1       Section 12-T24S-R29E       10. Section 12-T24S-R29E         At surface       330° FNL & 2310° FWL, Unit Lir C Soc. 12-T24S-R29E, BHL       11. Sec., T.R. M. er Bik and Survey or Area         14. Distance in miles and direction from meares town or peet office*       12. County or Parish       13. State         15. Distance from proposed:       330°       16. No. of acres in lease       17. Specing Unit decident to this well         15. Distance from proposed:       330°       16. No. of acres in lease       17. Specing Unit decident to this well         16. No. of acres in lease       10. Statue from proposed       330°       10. BL/MEIA Bond No. on file         17. Distance from proposed specing.       Approximately 1650°       19. Proposed Depth       70. BL/MEIA Bond No. on file         18. Distance from proposed specing.       Approximately 1650°       19. Proposed Depth       71. ML/EO002020       22. Actounting Pilen         19. Bistance from	15. Type of Well       Other       Single Zone       Multiple Zon       8. Lease Man and Well No.         2. Name of Operator YATES PETROLEUM CORPORATION       9. API Wellon       30. Address       30. Address       9. API Wellon       30. ADdress       40. ADdress <td>la. Type of work: DRILL REE</td> <td>NTER</td> <td></td> <td></td> <td>7. If Unit or CA Agreeme N/A</td> <td>ent, Name and No.</td>	la. Type of work: DRILL REE	NTER			7. If Unit or CA Agreeme N/A	ent, Name and No.
2. Name of Operator YATES PETROLEUM CORPORATION       9. ADI Well No.       30. O.O.S 43.136 (E.         3a. Address       10. Field and Pol, or Exploratory Undesignated Bone Spring       10. Field and Pol, or Exploratory Undesignated Bone Spring         4. Location of Well (Roper beatine clearly and in accordance with any State requirement; ?       11. Sec., T. R. M. or Bik and Survey or Area Section 12-T245-R29E         4. Location of Well (Roper beatine clearly and in accordance with any State requirement; ?       11. Sec., T. R. M. or Bik and Survey or Area Section 12-T245-R29E         4. Interview of Policy 2007 FNL & 2310 "FWL, Unit Ltr C Sec. 12-T245-R29E, BHL       12. County or Parish Eddy County         14. Distance in miles and direction from meanst tow or post office"       12. County or Parish Eddy County         15. Distance from proposed       330°         16. No. of acres in lease       17. Specing Unit decisated to this well with the figure property or lease line, ft. (Also to nearest in lease 10. ft. (Also to nearest well, drilling, completed, approximately 1650°       19. Proposed Depth TVD-17257'       Nume Control (Also Also on file Nume Dopose2)         21. Elevations (Show whether DF, KDB, RT, CL, etc.)       22. Approximate date work will start*       23. Elimitate duration 60 days         23. O'Ling Plan       24. Attachments       4. Bond to cover the operations unless covered by a	2. Name of Operator YATES PEROLEUM CORPORATION       9. AP - OLS - 43.138         3a. Address 105 South Fourth Street Artesia, New Mexico 88210       3b. Phone No. (nchué vera cody 575-748-4347       1D. Field and Pool, or Exploratory Undesignated Bone Spring         4. Location of Well (Ropert location clearly and in accordexe with any State represents?)       11. Sec, TA45-R29E         At surface 305 FNL & 2105 FNL & 1980 FWL, Unit Ltr M Soc. 12-T245-R29E       Section 12-T245-R29E         Approximately 37 miles east of Melaga, NM.       12. County or Parish Eddy County       13. State Miles and direction from nearest town or pat office*         15. Distance from proposed "330" (store on proposed" 330" approximately 37 miles east of Melaga, NM.       19. Proposed Deph TUD-B170" MD-12557       7. Spacing Unit dedicated to this well W2W2, Sec. 12-T245-R29E         18. Distance from proposed force on from proposed backing." Approximately 16 (store on the sec. 12 applied for, on this lease, 3t.       19. Proposed Deph TUD-B170" MD-12557       20. BLMBIA Bond Na. on file Nationwide Boord #NM-B000434 MI-B000434         21. Elevations (Show whether DF, KDB, RT, GL, ec.)       22. Approximate date work will start"       23. Estimated duration 03/09/2013       20. BLMBIA Bond Na. on file Nationwide Boord #NM-B000434 MI-B000434         23. 20' GL       24. Attachments       14. Bond to cover the operations unless covered by an existing bond on file (see line 20 abov).       5. Operator certification 6. Such other site specific information and/or plans as may be required by the BUP ADV ADV ADV Sterve Coaffiey	lb. Type of Well: 🔽 Oil Well 🔲 Gas Well 🛄 Other	Sin,	gle Zone 🗌 Multi	ole Zone	8. Lease Name and Well Jester BFJ Federal #5	-H
3a. Address       105 South Fourth Street Artesia, New Mexico 88210       3b. Phone No. (include area code) 575-748-4347       10. Field and Poil, or Exploratory Undesignated Bone Spring         4. Location of Well (Report location clarpty and in accordance with any State requirements.")       11. Sec. T. R. M. or Bik. and Survey or Area Section 12-T24S-R29E         4. Location of Well (Report location clarpty and in accordance with any State requirements.")       11. Sec. T. R. M. or Bik. and Survey or Area Section 12-T24S-R29E         4. Instance 300 FNL & 2310 FWL, Unit LIT C Sec. 12-T24S-R29E       12. County or Parish Eddy County       13. State Eddy County         15. Distance from proposed?       300 (South reares)       16. No. of acres in lesse 520 acress       17. Spacing Unit decicated to this well W2VZL, Sec. 12-T24S-R29E         18. Distance from proposed location?       Approximately 1650° to nearest edit, unit line, if any)       19. Proposed Depth TVD-B170° MD-12597'       20. BLMBIA Bond No. on file         18. Distance from proposed location?       Approximately 1650° to nearest edit, Unit LIT C Sec. 12.       22. Approximately and Will start*       20. BLMBIA Bond No. on file         18. Distance from proposed location is on National Forest System Lands, the SUP or use billing Plan.       24. Attachments       23. Estimated duration 60 days       23. Estimated duration 60 days         24. Diffing Plan.       Superstructure of the secation is on National Forest System Lands, the SUP or uset be field With the approprise Forest Service Office).       4. Bond to cover the oper	3a. Address       105. South Fourth Street Artesia, New Mexico 88210       3b. Phone No. (include area cody 575-748-4347       10. Field and Pool, of Exploratory Undessignated Bone Spring         4. Location of Well (Report leading call in accordance with any Sale requirement.?) At surface 300 FNL & 2310 FWL, Unit Lit C Sec. 12-T24S-R29E       11. Sec. T. R. M. of Bit. and Survey or Area Section 12-T24S-R29E         4. proposed pool. zone 3307 FSL & 1980 FWL, Unit Lit C Sec. 12-T24S-R29E       Section 12-T24S-R29E       13. State Eddy County or Parish Eddy County or Parish Distance from proposed 3300 groeptry or lease line, ft. (Also foreness file, sec. (Also file, sec. (Also file, sec. (Also file, sec. (Also file, sec. (Also file, sec. (Also file, sec. (	2. Name of Operator YATES PETROLEUM CORPORATION	ON			9. API Well No.	43138
A Location of Well (Report Learlor and in accordance with any State requirements *) At surface 330' FNL & 2310' FWL, Unit Ltr C Sec. 12-T24S-R29E At proposed prod. zone 330' FSL & 1980' FWL, Unit Ltr M Sec. 12-T24S-R29E, BHL 4. Distance in miles and direction from nearest town or post office* Approximately 37 miles east of Malaga, NM. 5. Distance from proposed * 330' location to nearest approximately 37 miles east of Malaga, NM. 10. Sec. T2. T24S-R29E, BHL 11. Specing Unit dedicated to this well 20. BLM/BIA Bond Na. on file NM. 12. County or Parish Eddy County 13. State 24. Attachments 15. Distance from proposed * 330' location to nearest applied for, on this lease, ft. 16. Blow.whether DF, KDB, RT, GL, etc.) 22. Approximately 1650' 3120' GL 23. Estimated duration 3120' GL 24. Attachments 16. Blow.whether DF, KDB, RT, GL, etc.) 25. Signature 24. Attachments 16. Bold to cover the operations unless covered by an existing bond on file (see 18. Blow appropriate Forest Service Office). 25. Signature 26. Market appropriate Forest Service Office). 27. A Darling Plan. 28. Signature 29. Market appropriate forest Service Office). 29. Market ( <i>PrintedT</i> )peed) 19. Proposed Depth 19. Proposed Depth 10. Well plat certified by a registered surveyor. 29. A Drilling Plan. 20. Signature 20. Market ( <i>PrintedT</i> )peed) 20. Gervator certification 20. Signature 20. Market ( <i>PrintedT</i> )peed) 20. Market (	A Location of Well (Report location clearly and necordace with any State requirements?)       II. Sec., T.R. M. or Bik and Survey or Area         A Location of Well (Report location clearly and in accordace with any State requirements?)       II. Sec., T.R. M. or Bik and Survey or Area         A surface 330° FNL & 2310° FWL, Unit Ltr C Sec. 12-T24S-R29E       Section 12-T24S-R29E         At proposed poid zone 330° FSL & 1980° FWL, Unit Ltr M Sec. 12-T24S-R29E, BHL       12. County or Parish         13. Distence from proposed?       330°         proport jor lesse line, ft.       16. No of acress in lease         14. So for acress diffy, unit line, if any)       16. No of acress in lease         15. Distance from proposed location*       Approximately 1650°         19. Proposed Depth       20. BL/MBIA Bond No on file         18. Distance from proposed location*       Approximately 1650°         19. Proposed Depth       20. BL/MBIA Bond No on file         10. State of the location in neared.       22. Approximate date work will start*         23. Columnents       24. Attachments         14. Bond to cover the operations unless covered by an existing bond on file (see         15. Signature       4. Bond to cover the operations unless covered by an existing bond on file (see         16. A Surface Use Plan (ff the location is on National Forest System Lands, the       5. Such other site specific information and/or plans as may be required by the	3a. Address 105 South Fourth Street	3b. Phone No. 575-748-43	(include area code) 47		10. Field and Pool, or Exp	loratory
At surface       330' FNL & 2310' FWL, Unit Ltr C Sec. 12-T24S-R29E       Section 12-T24S-R29E         At surface       330' FSL & 1980' FWL, Unit Ltr M Sec. 12-T24S-R29E, BHL       12. County or Parish       13. State         44. Distance in miles and direction from nearest town or post office*       12. County or Parish       13. State         Approximately 37 miles east of Malaga, NM.       13. State       NM         15. Distance from proposed*       330'       16. No. of acres in lease       17. Spacing Unit decicated to this well young unit decicated to this form:         18. Distance from proposed decident       22. Approximate date work will start*       23. Estimated duration 60 days         21. Elevations (Show whether DF, KDB, RT, CL, etc.)       22. Approximate date work will start*       23. State to young unit decicate to this form:         1. Well plat certified by a registered surveyor.       14. Bond to cover the operations unless covered by an existing bond on file (se	At surface 330 FNL & 2310' FWL, Unit Ltr C Sec. 12-T24S-R29E       Section 12-T24S-R29E         At proposed prod. zone 330' FSL & 1960' FWL, Unit Ltr M Soc. 12-T24S-R29E, BHL       12. County or Parish       13. State         (4) Distance in miles and direction from nearest town or post office*       12. County or Parish       13. State         Approximately 37 miles east of Malaga, NM.       16. No. of acres in lease       17. Spacing Unit dedicated to this well         10 Distance from proposed?       330'       16. No. of acres in lease       17. Spacing Unit dedicated to this well         11 Distance from proposed?       19. Proposed Depth       20. BL/MBIA Bond Na. on file       NM.         12 Distance from proposed?       Approximately 1650'       19. Proposed Depth       20. BL/MBIA Bond Na. on file         12 Distance from proposed?       Approximate date work will start*       23. Estimated duration       60 days         21 Distance from expisered surveyor.       24. Attachments       14. Bond to cover the operations unless covered by an existing bond on file (see         12. A Driling Plm       14. Surface Use Plan (if the location is on National Forest System Lands, the BLM.       14. Bond to cover the operation and/or plans as may be required by the BLM.         25. Signature       Name (PrintedT)pedl       Date 1/15/1/13         14. Land Regulator/Agent       Name (PrintedT)pedl       Diffice         Approval does not warra	4. Location of Well (Report location clearly and in accordance with	h anv State reauireme	nts.*)		11. Sec., T. R. M. or Blk.a	nd Survey or Area
At proposed prod. zone 330 FSL & 1980' FWL, Unit Ltr M Sec. 12-T24S-R29E, BHL       12. County or Parish       13. State         14. Distance in miles and direction from nearest town or post office*       12. County or Parish       13. State         Approximately 37 miles east of Malaga, NM.       16. No. of acres in lease       17. Spacing Unit dedicated to this well         15. Distance from proposed       330°       16. No. of acres in lease       17. Spacing Unit dedicated to this well         18. Distance from proposed controls       330°       19. Proposed Depth       19. Proposed Depth       17. Spacing Unit dedicated to this well         19. Distance from proposed controls       Approximately 1650°       19. Proposed Depth       10. BL///BIA Bond Na on file       NME0000320         21. Elevations (Show whether DF, KDB, RT, CL, etc.)       22. Approximate date work will start*       23. Estimated duration       60 days         3120° GL       24. Attachments       24. Attachments       60 days       5. Operator certification         3. A Surface Use Plan (ft the location is on National Forest System Lands, the BLM.       4. Bond to cover the operations unless covered by an existing bond on file (see BLM.         25. Signature       VMMM       Coward       Mare (Printed/Typed)       Date MISSING         25. Signature       VMMM       Office       CARLSBAD FIELD OFFICE         Approvidue (signatur)	At proposed prod. zone 330' FSL & 1980' FWL, Unit Ltr M Sec. 12-T24S-R29E, BHL       12. County or Parish       13. State         14. Distance in miles and direction from nearest town or post office"       16. No. of acres in lease       17. Spacing Unit decinated to this well         15. Distance from proposed location"       300       16. No. of acres in lease       17. Spacing Unit decinated to this well         16. Distance from proposed location"       Approximately 1650'       19. Proposed Depth       20. BLMBIA Bond No. on file         17. Distance from proposed location"       Approximately 1650'       19. Proposed Depth       20. BLMBIA Bond No. on file         18. Distance from proposed location"       Approximately 1650'       19. Proposed Depth       20. BLMBIA Bond No. on file         21. Elevations (Show whether DF, KDB, RT, CL, etc.)       22. Approximate date work will start*       23. Estimated duration         90/09/2013       24. Attachments       23. Estimated duration       60 days         22. A Drilling Plan.       14. Bond to cover the operations unless covered by an existing bond on file (see Inter 20 above).       5. Operator certification       5. Operator certification         3. A Stafee Use Plan. (fill the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).       Name ( <i>PrimedTyped</i> )       Date       1/15/1/3         25. Signature       Mame ( <i>PrimedTyped</i> )       Date <t< td=""><td>At surface 330' FNL &amp; 2310' FWL, Unit Ltr C Sec. 12-</td><td>-T24S-R29E</td><td>,</td><td></td><td>Section 12-T24S-R29</td><td>Ē</td></t<>	At surface 330' FNL & 2310' FWL, Unit Ltr C Sec. 12-	-T24S-R29E	,		Section 12-T24S-R29	Ē
14. Distance in miles and direction from nearest own or ps3 obtes*       12. Obting of all all       10. Statue         Approximately 37 miles east of Malaga, NM.       15. Distance from proposed east of Malaga, NM.       17. Spacing Unit dedicated to this well         15. Distance from proposed location*       330*       16. No. of acress in lease       17. Spacing Unit dedicated to this well         16. Distance from proposed location*       19. Proposed Depth       10. Statue from proposed location*       10. Statue from proposed location*         17. Distance from proposed location*       19. Proposed Depth       20. BLM/BIA Bond No. on file       10. Statue from proposed location*         18. Distance from proposed location*       19. Proposed Depth       20. BLM/BIA Bond No. on file       10. Statue from proposed location*         12. Elevations (Show.whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration         3120* GL       24. Attachments       24. Attachments         1. Well plat certified by a registered surveyor.       2. A Diriting the appropriate Porest System Lands, the       Soperator certification         3. Surface Use Plan (if the location is on National Forest System Lands, the BLM.       Soperator certification       Soperator certification         3. Surface Use Plan (if the location for plant ease of Malaga Porest System Lands, the       Soperator certification       Soperator certification <td< td=""><td>14. Distance in miles and direction from necess town of post office?       Edy County       NM         15. Distance from proposed * 300' locations in acress in lease locations in caress in a case line, ft. (Albo hearest dire, unit line, if any)       16. No. of acress in lease       17. Spacing Unit dedicated to this well w2W2, Sec. 12-T24S-R29E         16. Distance from proposed locations in acress in a case line, ft. (Albo hearest dire, unit line, if any)       19. Proposed Depth       20. BL/MBIA Bond No. on file         17. Distance from proposed locations (Show whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration 60 days         21. Elevations (Show whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration 60 days         3120' GL       24. Attachments         19. Well plat certified by a registered surveyor.       4. Bond to cover the operations unless covered by an existing bond on file (see line 30 above).         10. A Surface Use Pian (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).       10. Operator certification         25. Signature       Name (PrintedT)peel)       Date 1155/13         26. Cafffey       Name (PrintedT)peel)       Date 1155/13         27. Title       Office       CARLSBAD FIELD OFFICE         Approved by (Signature)       Name (PrintedT)peel)       DiffAY 1 2 2015         Conduct operations the</td><td>At proposed prod. zone 330' FSL &amp; 1980' FWL, Unit Ltr</td><td>M Sec. 12-T24</td><td>S-R29E, BHL</td><td></td><td>12 County or Parish</td><td>13 State</td></td<>	14. Distance in miles and direction from necess town of post office?       Edy County       NM         15. Distance from proposed * 300' locations in acress in lease locations in caress in a case line, ft. (Albo hearest dire, unit line, if any)       16. No. of acress in lease       17. Spacing Unit dedicated to this well w2W2, Sec. 12-T24S-R29E         16. Distance from proposed locations in acress in a case line, ft. (Albo hearest dire, unit line, if any)       19. Proposed Depth       20. BL/MBIA Bond No. on file         17. Distance from proposed locations (Show whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration 60 days         21. Elevations (Show whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration 60 days         3120' GL       24. Attachments         19. Well plat certified by a registered surveyor.       4. Bond to cover the operations unless covered by an existing bond on file (see line 30 above).         10. A Surface Use Pian (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).       10. Operator certification         25. Signature       Name (PrintedT)peel)       Date 1155/13         26. Cafffey       Name (PrintedT)peel)       Date 1155/13         27. Title       Office       CARLSBAD FIELD OFFICE         Approved by (Signature)       Name (PrintedT)peel)       DiffAY 1 2 2015         Conduct operations the	At proposed prod. zone 330' FSL & 1980' FWL, Unit Ltr	M Sec. 12-T24	S-R29E, BHL		12 County or Parish	13 State
15. Distance from proposed* 330' location to nearest in lease incluse in lease incluse in the nearest ingrunnit line, if any)       16. No. of acres in lease incluse	15. Distance from proposed location to neared for the neared supplied for, on this lease, ft.       16. No. of acres in lease 320 acres       17. Spacing Unit dedicated to this well W2W2, Sec. 12-T24S-R29E         19. Distance from proposed Location* to nearest well, drilling, completed, applied for, on this lease, ft.       Approximately 1650°       20. BLM/BIA Bond No. on file Nuterowide Bond #NM-B000434 NB000920         21. Elevations (Show.whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration 60 days         21. Elevations (Show.whether DF, KDB, RT, GL, etc.)       24. Attachments       24. Attachments         14. Well plat certified by a registered surveyor.       24. Attachments       24. Attachments         15. Signature       4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).       5. Operator certification 6. Such other site specific information and/or plans as may be required by the BLM.         25. Signature       Name (Printed/T)peed)       DiffAY 1 2 2015         Cy Cowarn       DiffAY 1 2 2015         Title       Office       CARLSBAD FIELD OFFICE         Approved by (Signature)       Office       CARLSBAD FIELD OFFICE <td>Approximately 37 miles east of Malaga, NM.</td> <td>•</td> <td></td> <td></td> <td>Eddy County</td> <td>NM</td>	Approximately 37 miles east of Malaga, NM.	•			Eddy County	NM
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.       Approximately 1650' TVD-8170' MD-12597'       20. BLM/BIA Bond No on file Nationwide Bond #NM-B000434 NMB0009202         21. Elevations (Show whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration 60 days         22. Approximate date work will start*       23. Estimated duration 80 days         24. Attachments         The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:         1. Well plat certified by a registered surveyor.         2. A Drilling Plan.         3. Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).         25. Signature       VMame (Printed/Typed)         26. Manne (Printed/Typed)       Date Mission Date Mission Cy Cowan         Title       Canter (Printed/Typed)         Childing approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.         Approved by (Steptore).       Cast form the operations thereon. Condition of approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conduct operations dargence of the United States any false, fictitious or fradulent s	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lesse, ft.       Approximately 1650' TVD-8170' MD-12597'       20. BLM/BIA Bond No. on file Nationwide Bond #NM-B000434 NBB000920         21. Elevations (Show.whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration 60 days         3120' GL       24. Attachments       60 days         Completed in accordance with the requirements of Onshore Oil and Gas Order No. I, must be attached to this form:         1. Well plat certified by a registered surveyor.       4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).         3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed With the appropriate Forest Service Office).       4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).         25. Signature       Name (Printed/Typed) Cy Cowan       Date 1/15/1/3         Title Land Regulatory Agent       Name (Printed/Typed)       Date 1/15/1/3         Application approval by (Signature)       FIELD MANAGER       Office         Approval by (Signature)       FIELD MANAGER       APPROVAL FOR TWO YEARS         Title Busics of faproval, if any, are attached.       May to any department or agency of the United States any false, fictitions or fraudulent statements or representations as to any matter within its jurisdiction.       APPROVAL FOR TWO YEARS         Conditions of approval,	<ul> <li>15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)</li> </ul>	16. No. of ac 320 acres	eres in lease	17. Spacin W2W2, 1	ng Unit dedicated to this well Sec. 12-T24S-R29E	
21. Elevations (Show.whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration         3120' GL       09/09/2013       60 days         24. Attachments         24. Attachments         1. Well plat certified by a registered surveyor.         2. A Drilling Plan.       3. Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).       4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).         25. Signature       Name (Printed/Typed)       Date 155/12         Difference         Title         Land Regulatory Agent         Approved by (Signature)         Name (Printed/Typed)         Difference         CARLSBAD FIELD OFFICE         Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.         Conditions of approval, if any, are attached.         APPROVAL FOR TWO YEARS         Title 18 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, factitious or fraudulent statements or representations as to any matter within its	21. Elevations (Show.whether DF, KDB, RT, GL, etc.)       22. Approximate date work will start*       23. Estimated duration         3120° GL       24. Attachments         24. Attachments       24. Attachments         The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. I, must be attached to this form:       4. Bond to cover the operations unless covered by an existing bond on file (see Inter 20 above).         3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).       4. Bond to cover the operations unless covered by an existing bond on file (see Inter 20 above).         25. Signature       Name (Printed/Typed)       5. Operator certification         Cy Cowan       Date 1/15/1/3         Title       Land Regulatory/Agent         Approved by (Signature)       Name (Printed/Typed)       Date 1/15/1/3         File LD MANAGER       Office       CARLSBAD FIELD OFFICE         Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subjectlease which would entitle the applicant to conduct operations of raproval, if any, are attached.       APPROVAL FOR TWO YEARS         Child B USC. Section 1001 and Title 43 USC. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United lates any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.       *(Instructions on page 2)	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed TVD-8170'	Depth MD-12597'	20. BLM/ Nationw NMB000	BIA Bond No. on file vide Bond #NM-B00043 0920	4
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25. Signature       Name (Printed/Typed) Cy Cowan       Date 1/15/13         Title       Land Regulatory Agent       Name (Printed/Typed)       Date 1/15/13         Approved by (Signature)       Name (Printed/Typed)       Date 1/15/13         Title       Stewe Caffey       Name (Printed/Typed)       Date 1/15/13         Title       FIELD MANAGER       Office       CARLSBAD FIELD OFFICE         Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.       Conditions of approval, if any, are attached.         Conditions of approval, if any, are attached.       APPROVAL FOR TWO YEARS         Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United states any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	25. Signature       Name (Printed/Typed) Cy Cowan       Date 115113         Title       Land Regulatory Agent         Approved by (Signature)       Name (Printed/Typed)       DiffAY 1 2 2015         Steve Caffley       Office       CARLSBAD FIELD OFFICE         Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.       Conditions of approval, if any, are attached.         Conditions of approval, if any, are attached.       APPROVAL FOR TWO YEARS       Citle 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.       *(Instructions on page 2)	<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest Syst SUPO must be filed with the appropriate Forest Service Office).</li> </ol>	em Lands, the	<ol> <li>Bond to cover t Item 20 above).</li> <li>Operator certific</li> <li>Such other site BLM.</li> </ol>	he operatio cation specific info	ns unless covered by an exi ormation and/or plans as ma	sting bond on file (see
Land Regulatory Agent       Name (Printed/Typed)       Difference         Approved by (Signature)       Difference       Difference </td <td>Intic       Land Regulatory Agent         Approved by (Signature)       Name (Printed/Typed)         Steve Caffey       Office         Title       Office         Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.       Conditions of approval, if any, are attached.         Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.       *(Instructions on page 2)</td> <td>25. Signature (2) Liwa</td> <td>Name Cy Co</td> <td>(Printed/Typed) wan</td> <td></td> <td>Da</td> <td>115/13</td>	Intic       Land Regulatory Agent         Approved by (Signature)       Name (Printed/Typed)         Steve Caffey       Office         Title       Office         Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.       Conditions of approval, if any, are attached.         Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.       *(Instructions on page 2)	25. Signature (2) Liwa	Name Cy Co	(Printed/Typed) wan		Da	115/13
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	(Continued on page 2) <b>Previously Approved</b> *(Instructions on page 2)	Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious or fraudulent statements or representations	a crime for any pe s as to any matter w	rson knowingly and within its jurisdiction.	willfully to n	nake to any department or a	gency of the United
(Continued on page 2) Previously Approved *(Instructions on page 2)		(Continued on page 2)	Previous	ly Approved		*(Instruc	tions on page 2)
urlsbad Controlled Water Basin					SF	E ATTACHE	

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Approval Subject to General Requirements & Special Stipulations Attached SEE ATTACHED FOR CONDITIONS OF APPROVAL DISTRICT I 1655 N. French Dr., Hobbs, NM 68240 DISTRICT II ţ

1301 W. Grand Avonuc, Artesla, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 State of New Mexico Energy, Minerals and Natural Resources Department

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

#### OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

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

# WELL LOCATION AND ACREAGE DEDICATION PLAT

□ AMENDED REPORT

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30-0/5	30-0/5-43/38 47545 NASH DRAW: Detaw approved Namess (Arc Ion Sancs) Undesignated Bone Springs									ıcţ
2 <sup>Property</sup>	Property Code Property Name Well Number									umber
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02007				I	AILS FEIF		M CORP.	<u></u>	512	U
[					Surfac	e Loc	ation			
UL or lot No.	Section	Townshi	p Range	. Lot	Idn Feet fro	m the	North/South line	Feet from the	East/West line	County
C	IZ	24 3	5 29 8	·		0	NORTH	2310	WEST	EDDY
:*			Botto	n Hole	e Location I	f Diffe	erent From Sur	face		
UL or lot No.	Section	Township	p Range	Lot	Idn Feet fro	m the	North/South line	Feet from the	East/West line	County
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Dedicated Acres	Joint o	r Infill	Consolidatio	n Code	Order No.			•••••••••••••••••••••••••••••••••••••••		
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YATES PETROLEUM CORPORATION Jester BFJ Federal #5H 330' FNL & 2310' FWL 330' FSL & 1980' FWL

#### Section 12-T24S-R29E Eddy County, New Mexico

The estimated tops of geologic markers are as follows:

Rustler	330'		Brushy Canyon Marker	6700'
Top of Salt	450'		Bone Spring	6970' OIL
Base of Salt	3015'		1st Bone Springs Sand	8097' OIL
Bell Canyon	3220'	OIL	Target Zone	8443' OIL
Cherry Canyon	4090'	OIL	TVD	8170'
Brushy Canyon	5360'	OIL	MD	12597'

The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

.Water: Approx 35'

1.

2.

Oil or Gas: See above.

See (OA). low Pressure test first

3. Pressure Control Equipment: BOPE will be installed on the 11 3/4" and 8 5/8" casing and rated for 3000 BOP systems with a minimum opening of 13 5/8" and will be consistent with API RP 53. Blind rams and pipe rams will be tested to 3000 PSI. Test will be conducted by an independent Tester, utilizing a test plug in the well head. Test will be held for 10 minutes on each segment of the system tested. Any leaks will be repaired at the time of the test. Annular preventer will be tested to 50% of rated working pressure. Tests will be conducted before drilling out from under all casing strings, which are set and cemented in place. Blowout Preventer controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit.

Auxiliary Equipment:

A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.

THE PROPOSED CASING AND CEMENTING PROGRAM: $\zeta_{\rho\rho}$								
A. Ca	sing Program: (	(All New)		ىر		1		
Hole Size	Casing Size	Wt./Ft	Grade	Coupling	Interval	Length		
14 3/4"	11 3/4"	42#	H-40	ST&C	0-450'	450'		
11"	8,5/8"	32#	J-55	ST&C	0-100'	100'		
11"	8 5/8"	24#	J-55	ST&C	100'-2200'	2100'	• • •	
11"	8 5/8"	32#	J-55	ST&C	2200'-3150'	950'		
7 7/8"	5 1/2"	17#	HCP-110	LT&C	0-12597	2597'	See	O

This well will be drilled vertically to 7693'. At 7693' the well will be kicked off and directionally drilled at 12 degrees per 100' with a 7 7/8" hole to 12597 MD (8170' TVD) where 5 1/2" casing will be set and of section 12-24S-39E. The deepest TVD in well is 8170" in the lateral.

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8

#### Jester BFJ Federal #5H Page 2

-see COA

## B. CEMENTING PROGRAM:

- Surface casing from 0' to 450': <u>TOC surface</u>; 300 sx Class "C" with CaCl2 2% (WT 14.80 YLD 1.34);
- Intermediate Casing 0' to 3150': <u>IOC surface</u>. 675 sx Lite "C" with Gilsonite 3lbs/bbl, Poly-E-Flake 0.125 lb/bbl, CaCl2 2% (WT 12.60 YLD 2.00); Tail in w/ 200sx Class "C" + 2% CaCl2 (Wt. 14.80 Yld.1.34)'
- Production Casing <u>DV Tool at 6400</u>. Stage I 12597' to 6400': TOC 6400', 1525 sx Pecos Valley Lite with D112 fluid loss 0.4%, D151-Calcium Carbonate 22.5 Ibs/sack, D174-Extender 2.5 lb/sack, D177-Retarder 0.01 lb/sack, D800-Retarder 0.6 lb/sack, D046-antifoam agent 0.15 lb/sack (Wt 13.00 Yld. 1.41). Cement designed with 35% excess.



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Stage II: 6400' to 2700'. <u>TOC 2700</u>'. Lead with 425 sx Lite Crete with D177 retarder0.03 gal/sack, D046-antifoam 0.2%, D065-dispersant 0.1%, D124-extender 39lb/sack (Wt. 9.90 Yild. 2.78). Tail in with 100 sacks of Pecos Valley Lite with D112 fluid loss 0.4%, D151-Calcium Carbonate 22.5. lbs/sack, D174-Extender 2.5 lb/sack, D177-Retarder 0.01 lb/sack, D800-Retarder 0.6 lb/sack, D046-antifoam agent 0.15 lb/sack (Wt 13.00 Yld. 1.41). Cement designed with 35% excess.

#### 5. Mud Program and Auxiliary Equipment:

Interval	Туре	Weight	Viscosity	Fluid Loss
0-450	Fresh Water	8.60-9.20	29-32	N/C
450,3150	Brine Water	10.00-10.20	28-28	N/C
3150-7693'	Cut Brine	8.90-9.10	28-29	N/C
7693'-12597'	Cut Brine(lateral section)	8.90-9.10	28-32	<15

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. The slow pump speed will be recorded on the daily drilling report after mudding up. A mud test will be performed every 24 hours after mudding up to determine, as applicable, viscosity, gel strength, filtration and pH. After surface casing is set an electronic PVT system will be installed as our primary mud level monitoring system. A secondary system will also be implemented as to insure the PVT system is functioning properly. The secondary system will be comprised of the derrick hand visually checking the fluid level in the pits periodically using a nut on the end of a rope hanging just above the fluid level in the pit.

#### **EVALUATION PROGRAM:**

Samples:	30' samples to 3000'; 1	0' samples 3000'-TD.
Logging:	Platform HALS; CMR.	See LOM
Coring:	None Anticipated.	
DST's:	As warranted.	

Mudlogger on from surface casing to TD.

#### Abnormal Conditions, Bottom hole pressure and potential hazards:

Anticipated BHP:

From:	0	TO:	.450'	Anticipated Max.	BHP:	215	PSI
From:	450'	TO:	3150'	Anticipated Max.	BHP:	1670	PSI
From:	3150'	TO:	8500'	Anticipated Max.	BHP:	3865	PSI

#### Jester BFJ Federal #5H Page Three

No abnormal pressures or temperatures are anticipated. Lost Circulation Zones Anticipated. None. H2S Zones Anticipated: None Maximum Bottom Hole Temperature: 160 F

recot

#### 8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 60 days to drill the well with completion taking another 30 days.

ZAMD 254	Inclination3	Azimuth	TVD.27	N+/S YIL	REEF/WEARS	MAD: LASSE	ToolFace	THE Ref [HS/GN]	R. S.
0	0	0	0	0	0	0		· · · · · · · · · · · · · · · · · · ·	
330	0	0	330	0	0	0			RUSTLER
450	0	0	450	0	0	0			TOP OF SALT
3,015	0	0	3,015	0	0	0			BASE OF SALT
3,220	0	D	3,220	0	0	0			BELL CANYON
4,090	0	0	4,090	0	0	0			CHERRY CANYON
5,360	0	0	5,360	0	0	0			BRUSHY CANYON
6,700	0	0	6,700	0	0	0			BRUSHY CANYON MARKER
6,970	0	0	6,970	0	0	0			BONE SPRINGS
7.693	0.00	5200 A 21	7693	E	0.02	MEE 12	3184184	BACKINGN MARKEN	KOP
7700 /	0.84	184.09	7700	-0.05	0	12	360	HS	
7725	3.84	184.09	7724.98	-1.07	-0.08	12	360	HS	
7750	6.84	184.09	7749.86	-3,39	-0.24	12	0	HS	
7775	9.84	184.09	7774.6	-7.01	-0.5	12	360	HS	
7800	12.84	184.09	7799.11	-11.91	-0.85	12	0	HS	
7825	15.84	184.09	7823.33	-18.08	-1.29	12	0	HS	
7850	18.84	184.09	7847.19	-25.52	-1,82	12	360	HS	
7875	21.84	184.09	7870.63	-34.18	-2.44	12	0	HS	
7900	24.84	184.09	7893.58	-44.06	-3.15	12	0	HS	
7925	27,84	184.09	7915.98	-55.12	-3.94	12	360	HS	
7950	30.84	184.09	7937.77	-67.34	-4.81	12	0	HS	
7975	33.84	184.09	7958.89	-80.68	-5.76	12	0	HS	
8000	36.84	184.09	7979.28	-95.1	-6.79	12	0	HS	
8025	39.84	184:09	7998.89	-110.57	-7.9	12	360	HS	
8050	42.84	184.09	8017.65	-127.04	-9.07	12	360	HS	
8075	45.84	184.09	8035.53	-144.46	-10.32	12	0	HS	
<u>8097</u>	48/48	184 09	8050 49 22	160.55	11475	8450126.12	360	LE LETEHS AGAIN	IST BONE SPRINGS
8100	48.84	184.09	8052.47	-162.8	-11.63	12	0	HS	
8125	51.84	184.09	8068.43	-181.99	-13	12	0	HS	
8150	54.84	184.09	8083,35	-202	-14.43	12	360	HS	
8175	57.84	184.09	8097.21	-222.75	-15,91	12	0	HS	
8200	60.84	184.09	8109.95	-244.2	-17.44	12	0	HS	
8225	63.84	184.09	8121.56	-266,28	-19.02	12	0	HS	
8250	66,84	184.09	8131.99	-288.94	-20.64	12	0	HS	
8275	69.84	184.09	8141.21	-312.11	-22.29	12	360	HS	
8300	72.84	184.09	8149.21	-335.74	-23.98	12	360	HS	
8325	75.84	184.09	8155,96	-359,75	-25.7	12	360	HS	
8350	78.84	184.09	8161.44	-384.07	-27.43	12	360	HS	
8375	81.84	184.09	8165.63	-408.65	-29,19	12	0	HS	
8400	84.84	184.09	8168.53	-433.42	-30.96	12	0	HS	
8425	87.84	184.09	8170.13	-458.3	-32.74	12	0	HS	
8443.05	\$ K90.0122	184.0991	817.0 47.1	47.6.31	34 02 Se	0.0	W. M. Same	A WALLSON	1ST BONE SPRINGS PAY
12597:31	90.01	184 09	8170	4620 E.	330	01020	MALE ENC.	LEATZ CRAWY	LATERAL TD

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Well will be drilled vertically to 7693'. At 7693' well will be kicked off and directionally drilled at 12 degrees per 100' with a 7 7/8" hole to 12,597' MD (8,170' TVD) where 5 1/2" casing will be set and cemented. Penetration point of producing zone will be encountered at 806' FNL and 2,276' FWL Section 4-24S-29E. Deepest TVD in the well is 8170' in the lateral.

1

Company: Yates Petroleum Corporation Well: Jester BFJ Federal #5H



# 3D<sup>3</sup> Directional Drilling Planner - 3D View

Company:, Yates Petroleum Corporation Well: Jester BFJ Federal #5H

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File: G:\drilling toolbox wellplans\Horizontal\jester5h.wpp



# YATES PETROLEUM CORPORATION

Piping from Choke Manifold to the Closed Loop Drilling Mud System



The flare discharge must be 100' from wellhead for non H2S wells and 150' from wellhead for wells expected to encounter H2S.

# Yates Petroleum Corporation Closed Loop System

# Equipment Design Plan

Closed Loop System will consist of:

1 – double panel shale shaker

1 - (minimum) Centrifuge, certain wells and flow rates may require 2 centrifuges On certain wells, the Centrifuge will be replaced by a Clackco Settling Tank System 1 - minimum centrifugal pump to transfer fluids

2- 500 bbl. FW Tanks

1 – 500 bbl. BW Tank

1 - half round frac tank -250 bbl. capacity as necessary to catch cement / excess mud returns generated during a cement job.

1 Set of rail cars / catch bins

Certain wells will use an ASC Auger Tank

# **Operation** Plan

All equipment will be inspected at least hourly by rig personnel and daily by contractors' personnel.

Any spills / leaks will be reported to YPC, NMOCD, and cleaned up without delay.

# Closure Plan

Drilling with Closed Loop System, haul off bins will be taken to Gandy Marley, Lea Land Farm, CRI or Sundance Services Inc.



RECLAIMATION

Jester BFJ FederalsH





#### MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Yates Petroleum Corporation Jester BFJ Federal #5H 330' FNL and 2310' FWL (Surface Hole Location) 330' FSL and 1980' FWL, (Bottom Hole Location) Section 12, T24S-R29E Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

#### 1. EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed well site is located approximately 37 miles east of Malaga, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

#### DIRECTIONS:

Go east of Carlsbad on Highway 62-180 to State Road 31. Turn south on 31 and go to Highway 128 (Jal Highway). Turn left on HWY 128 and go approximately 4 miles to Rawhide Road (CR-793) Mississippi Potash Mine Shaft #5 is here. Turn south here on CR-793 and go approx. 3.4 miles. Follow County road to the left and go east for approximately 0.2 of a mile. Turn south on county road and follow it for approx. 3.5 miles. At this point there will be a tank on the left and a lease road with powerlines going west. Turn west on this lease road and go approx. 1.2 miles. Turn right here on lease road going north and go approximately 0.2 of a mile to the southeast corner of the Jester SWD #4. The new road will start from the northeast corner of the Jester SWD #4 going to the northeast for approximately 0.1 of a mile to the southwest corner of the well location.

#### 2. PLANNED ACCESS ROAD:

- A The proposed new access road will start here going in a northeasterly direction for approximately 0.1 of a mile to the southwest corner of the proposed well location.
- B. The new road will be 14' in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on one side. Traffic turnouts may be built as needed.
- D. The route of the road is visible.
- E. Existing roads will be maintained in the same or better condition.

#### 3. LOCATION OF EXISTING WELL

- A. There is drilling activity within a one-mile radius of the well site.
- B. An Exhibit shows existing wells within a one-mile radius of the proposed well site.

### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are production facilities on this lease at the present time. However, if production facilities are needed for this well they will be placed on the location as determined by Yates' Production Department. Placement has not been determined at this time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power until an electric power line can be built if needed.

#### Jester BFJ Federal #5H Page Two

C. Should off location facilities be needed for power line, flow line right-of-ways, etc. they will be filed under a separate application by Yates or a third party if applicable. The route and placement will be determined at that time.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

#### 6. SOURCE OF CONSTRUCTION MATERIALS:

The dirt contractor will acquire any materials from the closest source at the time of construction of the well pad.

#### 7. METHODS OF HANDLING WASTE DISPOSAL:

- A. A closed loop system will be used to drill this well.
- B. The closed loop system will be constructed, maintained, and closed in compliance with the State of New Mexico, Energy and Natural Resources Department, Oil Conservation Division the "Pit Rule" 19.15.17 NMAC.
- C. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not approved.

#### 8. ANCILLARY FACILITIES: None

#### 9. WELLSITE LAYOUT:

- A. An exhibit shows the relative location and dimensions of the well pad, the closed loop mud system, location of the drilling equipment, rig orientation and access road approach. All of the location will be constructed within the 600' x. 600' staked area.
  - B. The closed loop system will be constructed, maintained and closed in compliance with the State of New Mexico, Energy and Natural Resources Department, Oil Conservation Division—the "Pit Rule" 19.15.17 NMAC.

#### 10. PLANS FOR RESTORATION

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the well site in as aesthetically pleasing a condition as possible. The location will be reduced to a 250' x 250' after completion operations have been conducted. Please note attached Reclamation Plat.
- B. If the proposed well is plugged and abandoned, the caliche surfacing material will be removed, The topsoil will then be redistributed and the location will be reseeded. These actions will be be completed and accomplished as expeditiously as possible.

#### Jester BFJ Federal #5H

#### Jester BFJ Federal #5H Page Three

C. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.

#### 11. SURFACE OWNERSHIP:

Surface Estate: Managed by the Bureau of Land Management, 620 East Greene Street, Carlsbad, NM 88201 Mineral Estate: Bureau of Land Management, 620 East Greene Street, Carlsbad, NM 88201

#### 12. OTHER INFORMATION:

- A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, and dwellings, historical and cultural sites.
- B. The primary surface use is for grazing.

# CERTIFICATION YATES PETROLEUM CORPORATION Jester BFJ Federal #5H

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I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that the company I represent, is responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this $1.5^{+1}$ day of $5uly$ , $2013$
Printed Name Cy Cowan
Position Title Land Regulatory Agent
Address 105 South Fourth Street, Artesia, NM 88210
Telephone <u>575-748-4372</u>
E-mail (optional) <u>cy@ypcnm.com</u>
Field Representative (if not above signatory) <u>Tim Bussell</u>
Address (if different from above) Same
Telephone (if different from above) 575-748-4221

# PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	YATES PETROLEUM CORP.
LEASE NO.:	NM105213
WELL NAME & NO.:	5H JESTER BFJ FEDERAL
SURFACE HOLE FOOTAGE:	339' FNL & 2310' FWL
BOTTOM HOLE FOOTAGE	330' FSL & 1980' FWL
LOCATION:	Section 12, T. 24 S., R 29 E., NMPM
COUNTY:	Eddy County, New Mexico

# TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

**General Provisions Permit Expiration** Archaeology, Paleontology, and Historical Sites **Noxious Weeds Special Requirements** Construction Notification Topsoil Closed Loop System Federal Mineral Material Pits Well Pads Roads **Road Section Diagram** 🛛 Drilling **Casing/Cement Requirements** Logging Requirements H2S – Possible Waste Material and Fluids **Production (Post Drilling)** Well Structures & Facilities **Pipelines Electric Lines Interim Reclamation Final Abandonment & Reclamation** 

# I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

# II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

# **III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES**

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

# **IV. NOXIOUS WEEDS**

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

# VI. CONSTRUCTION

#### A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5909 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

#### **B.** TOPSOIL

The operator shall stockpile the topsoil in a low profile manner in order to prevent wind/water erosion of the topsoil. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be used for interim and final reclamation.

#### C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

#### D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

#### E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

#### F. EXCLOSURE FENCING (CELLARS & PITS)

#### **Exclosure Fencing**

The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the pit is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

#### G. ON LEASE ACCESS ROADS

#### Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

#### Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

#### Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

#### Ditching

Ditching shall be required on both sides of the road.

#### Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:



#### Page 4 of 14

#### Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

#### **Cross Section of a Typical Lead-off Ditch**



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

#### Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope: 400' + 100' = 200' lead-off ditch interval 4%

#### **Culvert Installations**

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

#### Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

# **Fence Requirement**

Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

#### Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.



Figure 1 - Cross Sections and Plans For Typical Road Sections

# VII. DRILLING

# A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Eddy County Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Hydrogen Sulfide has been reported as a hazard, but no measurements have been recorded. It is recommended that monitoring equipment be onsite for potential Hydrogen Sulfide. If Hydrogen Sulfide is encountered, report measurements and formations to the BLM.
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. If the drilling rig is removed without approval an Incident of Non-Compliance will be written and will be a "Major" violation.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works is located, this does not include the dog house or stairway area.
- 4. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

#### B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) for Potash Areas:

After cementing but before commencing any tests, the casing string shall stand "cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least <u>24 hours</u>. WOC time will be recorded in the driller's log.

Wait on cement (WOC) for Water Basin:

After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least <u>8 hours</u>. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.

Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possibility of water flows in the Salado, and Castile. Possibility of lost circulation in the Rustler, Red Beds, and Delaware.

- 1. The 11-3/4 inch surface casing shall be set at approximately 450 feet (in a competent bed <u>below the Magenta Dolomite</u>, which is a <u>Member of the Rustler</u>, and if salt is encountered, set casing at least 25 feet above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength,

whichever is greater.

- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 8-5/8 inch intermediate casing,
  which shall be set at approximately 3350 feet in the basal anhydrite of the Castile at the top of the Lamar Limestone, is:

Cement to surface. If cement does not circulate see B.1.a, c-d above.

Centralizers required on horizontal leg, must be type for horizontal service and a minimum of one every other joint.

3. The minimum required fill of cement behind the 5-1/2 inch production casing is:

Operator has proposed DV tool at depth of 6400'. Operator is to submit sundry if DV tool depth varies by more than 100' from approved depth.

- a. First stage to DV tool:
- Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve approved top of cement on the next stage.
- b. Second stage above DV tool:

Cement <u>should tie-back at least 600 feet into previous casing string</u>. Operator shall provide method of verification.

4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

#### C. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.

- a. For surface casing only: If the BOP/BOPE is to be tested against casing, the wait on cement (WOC) time for that casing is to be met (see WOC statement at start of casing section). Independent service company required.
- Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 9-5/8 intermediate casing shoe shall be 3000 (3M) psi.
- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
  - b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (18 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
  - c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock.
  - d. The results of the test shall be reported to the appropriate BLM office.
  - e. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
  - f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to

the test at full stack pressure.

#### **D. DRILL STEM TEST**

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

### E. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

#### EGF 051115

# VIII. PRODUCTION (POST DRILLING)

## A. WELL STRUCTURES & FACILITIES

#### **Placement of Production Facilities**

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

#### **Exclosure Netting (Open-top Tanks)**

Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

# Chemical and Fuel Secondary Containment and Exclosure Screening

The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 <sup>1</sup>/<sub>2</sub> inches.

#### **Open-Vent Exhaust Stack Exclosures**

The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone.*) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

#### **Containment Structures**

Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

### Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color, **Shale Green** from the BLM Standard Environmental Color Chart (CC-001: June 2008).

**B. PIPELINES (Not applied for in APD)** 

#### C. ELECTRIC LINES (Not applied for in APD)

# IX. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce

the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

# X. FINAL ABANDONMENT & RECLAMATION

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

# BLM SERIAL #: NM105213 COMPANY REFERENCE: Yates Petroleum Corporation WELL # & NAME: Jester BFJ Federal #5H

Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

Species	l <u>b/acre</u>
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	. 2.0

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed