District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505

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State of New Mexico Energy Minerals and Natural Resources

Form C-101 Revised March 17, 1999

Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505 Submit to appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies

AMENDED REPORT

| Yates 'Petroleum Corporation 105 South Fourth Street 025575 'APNamber 30-DX - 3 4 PT 9 'Walka 3-DX - 3 4 PT 9 'Walka 3-DX - 3 4 PT 9 'Walka 3-DX - 3 4 PT 9 'Walka 4 'Impervices' State Sand Springe ASU State 10-DX - 3 4 PT 9 'Walka 4 'Impervices' State B 11 11-5 'Impervices' State B 11 11-5 'Impervices' State B 11 11-5 'Impervices' State B 'Impervices' State 'Impervices' State B 'Impervices' State B 'Impervices' State 'Impervices' State B 'Impervices' State B 'Impervices' State 'Impervices' State B 'Impervices' State B 'Impervices' State 'Impervices' State 'Impe | APPLICATIO | ON FOR PERMIT | | | , DEF | EPEN, I | | | | | |
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| Artesia, New Mexico 88210 30-025-348949 'Property Name 'Well No. 'Surface Location 'Well No. UL or loano. Sentom Toonship Range Lot th Feetfrom te Feetfrom te EastWestire Co. B 11 11-5 34-E 700' North 1650' East Less B 11 11-5 34-E 700' North 1650' East Less B 11 11-5 34-E 700' North 1650' East Less B 11 11-5 34-E 700' North 1650' East Less UL or to no Secton Toonship Range Lot th Feetfrom te Feetfrom te EastWestire Co. Secton Toorship Range Lot th Feetfrom te EastWestire Co. Co. Work Type Code "Proposed Pool 1 "Proposed Pool 2 "Ground Level Elevel 1446' 'Ground Level Elevel 1446' Ymapped Deph Topposed Pool 2 Topposed Pool 2 Topposed Pool 2 'Ground Level Elevele | | | - | | | | ² OGRID Number 025575 | | | | |
| 'Property Name 'Property Name 'Well No Sand Spring ASU State 'Surface Location UL or lot no. Section Townsity Range Latah Free from the East Meetine Co. B 11 11-S 34-E 700' North 1650' East Leest B 11 11-S 34-E 700' North 1650' East Leest B 11 11-S 34-E 700' North 1650' East Leest B 10 11-S 34-E 700' North 1650' East Leest UL or lot no Secon Township Range Latah Feetfrom the NorthSouthize Feetfrom the East East Co. Sind Spring Code 'Proposed Depth Feetfrom the NorthSouthize Township Range Code ''CableRicary ''Lease Type Code ''Ground Level Ein ''Mout Type Code ''Weet Type Code ''CableRicary ''Lease Type Code ''Soud Dae ''Soud Dae 'No 13,200' Devon | | | | | | | API Numbe | To Ged | | | |
| Sand Springe ASU State 4 'Surface Location 'Surface Location UL of lot no. Section Township Range Lot Ma North 1650' East Least B 11 11-5 34-E 700' North 1650' East Least B 11 11-5 34-E 700' North 1650' East Least B 11 11-5 34-E 700' North 1650' East Least B 11 11-5 34-E 700' North 1650' East Least UL or lot no Section Township Range Lot Ma Feet from the NorthSouthize Feet from the East Weat line Ca. Section 'Proposed Pool 1 ''Proposed Pool 2 ''Contractor ''Spod Due Not determined ASAP ''Multiple 'Proposed Depth ''Contractor ''Spod Due Not determined ASAP '1 13,200' Devonian Not determined ASAP '1 11/2''' 13,2/8'' | Property Code | Artesia, New | | | | | 30-025 | <u>~ 3 4</u> , | 879 Vall Via | | |
| UL or lon no. Section Township Barge Lot lah Feet from the 700' North 1650' East Less B 11 11-S 34-E 700' North 1650' East Less B 11 11-S 34-E 700' North 1650' East Less B 10 11-S 34-E 700' North 1650' East Less B 10 10-S Section Township Range Lot lah Feet from the NorthSochlize Feet from the EastWest line Co. Section Township Range Lot lah Feet from the NorthSochlize Feet from the EastWest line Co. Section Township Range Lot lah Feet from the NorthSochlize Feet from the EastWest line Co. Section Multiple Proposed Pool 1 "ColleRonry North Sochlize Section the ASAP 414.6' Multiple Proposed Deph Remain North Connector Spod Date No 13,200' Devonian Not determined ASAP | 1525/ | ~-5944 | Sand Spr | ing ASU | | te | | . / | | | |
| B 11 11-S 34-E 700' North 1650' East Less * Proposed Bottom Hole Location If Different From Surface UL or lot no Section Township Range Lath Fest from the Fest from the East/West line Ca. Section Township Range Lath Fest from the East/West line Ca. Section Township Range Lath Fest from the East/West line Ca. Section the Over of the Devonian NorthSachline Free from the East/West line Ca. * Work Type Code "Well Type Code "Cable/Rotary "Lease Type Code "Ground Level Eleet ** Mode Size O Rotary S 414.6' 414.6' ** Multiple "Proposed Depth "Formation "Contractor *Spud Date No 13,200' Devonian Not determined ASAP 11 1/2'' 13,38''' 48.# 400' 400 sx circuit 12 1/4'' 9.5/8''' 36.& 40.# <td< td=""><td>·</td><td></td><td>⁷ Surf</td><td>face Locatio</td><td>n</td><td></td><td></td><td></td><td></td></td<> | · | | ⁷ Surf | face Locatio | n | | | | | | |
| * Proposed Bottom Hole Location If Different From Surface UL or tor no Section Township Range Locidin Feet from the NethSouthline Feet from the EastWestine Co. Section Section Township Range Locidin Feet from the EastWestine Co. Section Section Township Range Locidin Feet from the EastWestine Co. Section Section Proposed Pool 1 ** ** Proposed Pool 2 ** Work Type Code "Well Type Code Rotary Section ** Control Code ** Spud Date No 13,200' Devonian Not determined ASAP ** Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated T 17 1/2" 13.3/8" 48 # 400' 400 sx circul 13.4/4" 7" 26 # 13,200' 700 sx TOC-73 ** Describe the proposed program. If this application is to DEEPPEN or PLUG BACK, give the data on the presen | r lot no. Section | Township Range | Lot Idn | Feet from the | North/Sc | outh line | Feet from the | East/West lin | ne County | | |
| Proposed Bottom Hole Location If Different From Surface UL of lot no Section Township Rarge Lot Int Feet from the NethSochline Feet from the Eas/Westine Ca. Sand Springs *Proposed Pool 1 **Proposed Pool 2 ** <td>11</td> <td></td> <td></td> <td>700'</td> <td>Nort</td> <td>th</td> <td>1650'</td> <td>East</td> <td colspan="3">Lea</td> | 11 | | | 700' | Nort | th | 1650' | East | Lea | | |
| Strid Springs 'Proposed Pool 1 Wildeet Devonian "CableRotary "Work Type Code 0 No 0 No 13,200' Devonian "Contractor "Multiple "Proposed Depth "Formation "Contractor No 13,200' Devonian Not determined ASAP 21 Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth 17 1/2" 13 3/8" 48 400' 400 sx circul 12 1/4" 9 5/8" 36 40 # 4200' 1400 sx circul 3/4" 7" 26 # 13,200' 700 sx 4 5 4 5 5 9 6 13,200' 700 sx 700 sx 700 sx 700 sx 700 sx 700 sx | | ⁸ Proposed H | Bottom Hole L | ocation If I | Differen | nt From | Surface | | | | |
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| N O Rotary S 4146' "Muluple "Proposed Depth "Formation "Contractor "Spud Date No 13,200' Devonian Not determined ASAP 21 Proposed Casing and Cement Program Itelestice Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated T 17 1/2" 13 3/8" 48 # 400' 400 sx circul 12 1/4" 9 5/8" 36 & 40 # 4200' 1400 sx circul 8 3/4" 7" 26 # 13,200' 700 sx TOC-73 " 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 zon Promoser betwout prevention program, if any. Use additional sheets if necessary. Yates Petroleum Corporation proposes to drill and test the Devonian and interm ate formations. Approximately 400' of surface casing will be set and cement casing will be run and cemented back to approximately 7300', perforated and st lated as needed for production. MUD PROGRAM: 0'-400' FW Gel; 400'-4200' Cut brine to brine; 4200'-7800' Cut brine Set 20'-7800' Cut brine Set 20'-7800' Satt Gel/Starch BOPE PROGRAM: 5000# BOPE to be installed on 9 5/8" casing and tested daily.< | | | | | | | ¹⁰ Рторозе | d Pool 2 | | | |
| ¹⁴ Multiple No ¹⁷ Proposed Depth ¹⁶ Formation ¹⁷ Contractor ²⁵ Spud Date No 13,200' Devonian Not determined ASAP ²¹ Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated T 17 1/2'' 13 3/8'' 48 # 400' 400 sx circul 12 1/4'' 9 5/8'' 36 & 40 # 4200' 1400 sx circul 8 3/4'' 7'' 26 # 13,200' 700 sx TOC-73 * 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 zon * Describe the blowout prevention program, if any. Use additional sheets if necessary. Yates Petroleum Corporation proposes to drill and test the Devonian and interm ate formations. Approximately 400' of surface casing will be set and cement casing will be cament circulated. If commercial, production casing will be run and cemented back to approximately 7300', perforated and st lated as needed for production. MUD PROGRAM: 0'-400' FW Gel; 400'-4200' Cut brine to brine; 4200'-7800' Cut brine MUD PROGRAM: 5000' Brine/S Gel/Diesel; 11,500'-13,200' Salt Gel/Starch daily. | | | | | | ¹⁴ | | 1 | Ground Level Elevation | | |
| ²¹ Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated T 17 1/2" 13 3/8" 48 # 400' 400 sx circul 12 1/4" 9 5/8" 36 & 40 # 4200' 1400 sx circul 8 3/4" 7" 26 # 13,200' 700 sx TOC-73 * 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 zon ** 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 zon ** 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 zon ** 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 zon ** 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 zon ** The proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zon ** | ¹⁶ Multiple ¹⁷ Proposed Depth ¹⁸ Formation ¹⁹ Contractor | | | | | | _ | • | | | |
| Hole SizeCasing SizeCasing weight/footSetting DepthSacks of CementEstimated T171/2"133/8"48 #400'400 sxcircul121/4"95/8"36 & 40 #4200'1400 sxcircul83/4"7"26 #13,200'700 sxTOC-73*26 #13,200'700 sxTOC-73*26 #13,200'700 sxTOC-73*11111*26 #13,200'700 sxTOC-73*11111*26 #13,200'700 sxTOC-73*11111*26 #13,200'700 sxTOC-73*11111*26 #13,200'700 sxTOC-73*11111*11111*11111*11111*26 #13,200'111*26 #13,200'13,200'1*26 #13,200'13,200'1*27 *28 *100'13,200'*28 *28 *100'1400 **28 *28 *28 *100'*28 *28 *28 *28 **28 * <t< td=""><td></td><td></td><td>Proposed Casi</td><td>ng and Cerr</td><td>ient Pr</td><td></td><td></td><td></td><td></td></t<> | | | Proposed Casi | ng and Cerr | ient Pr | | | | | | |
| 12 1/4" 9 5/8" 36 & 40 # 4200' 1400 sx circul 8 3/4" 7" 26 # 13,200' 700 sx TOC-73 " 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 zon 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 zon Describe the blowout prevention program, if any. Use additional sheets if necessary. Yates Petroleum Corporation proposes to drill and test the Devonian and interm ate formations. Approximately 400' of surface casing will be set and cement concasing will be run and cemented back to approximately 7300', perforated and stated as needed for production. MUD PROGRAM: 0'-400' FW Ge1; 400'-4200' Cut brine to brine; 4200'-7800' Cut brine to brine; 5000' all Gel/Starch BOPE PROGRAM: 5000# BOPE to be installed on 9 5/8" casing and tested daily. | Hole Size | | | | nent | t Estimated TOC | | | | | |
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| ²³ L hereby certify that the information given above a true and complete to the best of | ribe the blowout preve tes Petrole e formation ted. Intern sing will b | ention program, if any. Use ad eum Corporation ns. Approximat nediate casing pe rup and come | ditional sheets if nece proposes ely 400' o will be ce pted back | essary. to drill of surfac ment cir to appro | and e cas culat ximat | test sing w ted. I | the Devon vill be se f commerc | ian an t and ial, p forate | d intermedi- cement circu roduction d and stimu- | | |
| | ²³ I hereby certify that the information given above a true and complete to the best of my knowledge and belief. Signature: | | | | | OIL CONSERVATION DIVISION | | | | | |
| Signature: Approved by: | | | | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | |
| Printed name: Ken Beardemph1 Title: | ied name: K | Title: | | | | | | | | | |
| Title: Landman Approval Date: | <u> </u> | andman | ÷. | Appro | oval Date: | URI | 1 - 0 20 E | piration Da | te: | | |
| Date:Phone:Conditions of Approval:January 14, 2000(505) 748-1471American Conditions of Approval: | | | 748-1471 | | _ | pproval: | | | | | |
| Permit Expires 1 Year From Appro- | | | , +0 1+/1 | Attact | | | piron 1 Vo | ar Froi | n Acmovar | | |

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DISTRICT I 2.0. Box 1980, Hobbs, NM 66240

DISTRICT II P.O. Drawer DD, Artenia, NM 55210

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

State of New Mexico

Energy, Minerals and Natural Besources Department

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

AMENDED REPORT

| WELL LOCATION AND ACREAGE DE | DICATION PLAT |
|------------------------------|---------------|
|------------------------------|---------------|

| | umber | ađ | | Pool Code | | | Sand Spring | 5 Pool Name | | <u></u> | |
|--|---------|-------------------------|---------------------|-----------|-----------|----------------|-------------------------------|--|--|------------------------|--|
| 30-025 Property Co | ode | SAND SPRING "ASU" STATE | | | | | | | | Well Number 4 | |
| OGRID No. | 2221 | ſ | | | | stor Nam | | | Eleva | tion | |
| 025575 | | | | | | | 4146 | | | | |
| 025575 | | <u> </u> | | | · | ce Loca | | | • • • | | |
| UL or lot No. | Section | Township | Range | Lot Idn | Feet fre | om the | North/South line | Feet from the | East/West line | County | |
| B | 11 | 115 | 34E | | 70 | 00 | NORTH | 1650 | EAST | LEA | |
| Bottom Hole Location If Different From Surface | | | | | | | | | | | |
| UL or lot No. | Section | Township | Range | Lot Idn | Feet fre | om the | North/South line | Feet from the | East/West line | County | |
| Dedicated Acres | Joint a | r Infill Co | medidation | Code (| Drder No. | | | <u> </u> | <u></u> | <u> </u> | |
| 40 | | | | | | | | | | | |
| NO ALLO | WABLE W | OR A J | SSIGNED NON-STAN | TO THIS | COMPLE | TION U BEEN | INTIL ALL INTE APPROVED BY | RESTS HAVE THE DIVISION | BEEN CONSOLID | ATED | |
| | | | | | | | | OPERA | TOR CERTIFICA | TION | |
| | | | | Jora | 20 J | • | — 1650° —— | Signature Ken I Printed N Landr Title Janu Date I hereby cm en this play | January 24, 2000 Date SURVEYOR CERTIFICATION I hereby certify that the well location about on this plat was plotted from field nates actual surveys made by me or under | | |
| | | | | | | | | Date Sur Signatur Profession 22 Ceremon | and that the same of the best of my ball 1/25/2000 available for the buryer of the buryer of the buryer of the buryer of the same of the same of the the best of my ball 1/25/2000 | es RLS 3640 DISK 24 | |



Yates Petroleum Corporation

Typical 5.000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



Typical 5,000 psi choke manifold assembly with at least these minimun features



