

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 166175

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address ALAMO PERMIAN RESOURCES, LLC 415 W. Wall Street, Suite 500 Midland, TX 79701		2. OGRID Number 274841
4. Property Code 38543		3. API Number 30-015-41313
5. Property Name STATE 647		6. Well No. 198

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	36	17S	28E	H	2130	N	990	E	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	36	17S	28E	H	2130	N	990	E	Eddy

9. Pool Information

ARTESIA;QUEEN-GRAYBURG-SAN ANDRES	3230
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3682
16. Multiple N	17. Proposed Depth 3200	18. Formation San Andres	19. Contractor	20. Spud Date 5/20/2013
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	650	425	
Prod	7.875	5.5	17	3200	650	

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	3000	HYDRIL

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: Printed Name: Electronically filed by CARIE A STOKER Title: REGULATORY AFFAIRS COORDINATOR Email Address: cstoker@helmsoil.com Date: 4/26/2013	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">OIL CONSERVATION DIVISION</td> </tr> <tr> <td colspan="2">Approved By: Randy Dade</td> </tr> <tr> <td>Title: District Supervisor</td> <td>Approved Date: 5/1/2013</td> </tr> <tr> <td colspan="2">Expiration Date: 5/1/2015</td> </tr> <tr> <td colspan="2">Conditions of Approval Attached</td> </tr> </table>	OIL CONSERVATION DIVISION		Approved By: Randy Dade		Title: District Supervisor	Approved Date: 5/1/2013	Expiration Date: 5/1/2015		Conditions of Approval Attached	
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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

Form C-102
August 1, 2011
Permit 166175

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-41313	2. Pool Code 3230	3. Pool Name ARTESIA;QUEEN-GRAYBURG-SAN ANDRES
4. Property Code 38543	5. Property Name STATE 647	6. Well No. 198
7. OGRID No. 274841	8. Operator Name ALAMO PERMIAN RESOURCES, LLC	9. Elevation 3682

10. Surface Location

UL - Lot H	Section 36	Township 17S	Range 28E	Lot Idn	Feet From 2130	N/S Line N	Feet From 990	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	13. Joint or Infill	14. Consolidation Code	15. Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<table border="1" style="width: 100%; height: 150px; border-collapse: collapse;"> <tr><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px; background-color: #cccccc; text-align: center;">■</td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> </table>								■									<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By: CARIE A STOKER Title: REGULATORY AFFAIRS COORDINATOR Date: 4/26/2013</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Surveyed By: FILIMON JARAMILLO Date of Survey: 12/13/2012 Certificate Number: 12797</p>
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Permit Comments

Operator: ALAMO PERMIAN RESOURCES, LLC , 274841

Well: STATE 647 #198

API: 30-015-41313

Created By	Comment	Comment Date
Artesia	I/A wells 3 ok - - FA ok	5/1/2013
Artesia	Lend p/S	5/1/2013

Permit Conditions of Approval

Operator: ALAMO PERMIAN RESOURCES, LLC , 274841

Well: STATE 647 #198

API: 30-015-41313

OCD Reviewer	Condition
Artesia	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string