

District I
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District II
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District III
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Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101
Revised November 14, 2012

Energy Minerals and Natural Resources

Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBS OCD
SEP 11 2017
RECEIVED

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

¹ Operator Name and Address ConocoPhillips Company P. O. Box 51810 Midland, TX 79710		² OGRID Number 217817
		³ API Number 025-20882
⁴ Property Code 31257	⁵ Property Name VACUUM GLORIETA EAST UNIT	⁶ Well No. 003

⁷ Surface Location

UL - Lot E	Section 27	Township 17S	Range 35E	Lot Idn	Feet from 2310	N/S Line NORTH	Feet From 330'	E/W Line WEST	County LEA
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⁸ Proposed Bottom Hole Location

UL - Lot E	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
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⁹ Pool Information

VACUUM; GB-SA	Pool Name	Pool Code 62180
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Additional Well Information

¹¹ Work Type RECOMPLETE/PB	¹² Well Type O	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type STATE	¹⁵ Ground Level Elevation 3945' KB
¹⁶ Multiple NO	¹⁷ Proposed Depth 6275'	¹⁸ Formation VACUUM; GB-SA	¹⁹ Contractor	²⁰ Spud Date 05/16/1964
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 Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
SURF	12 1/4"	9 5/8"	32#	1604'	ON RECORD	0
PROD	7 7/8"	4 1/2"	11.6#	6275'	ON RECORD	TOC 3754'
BP				6017'		

Casing/Cement Program: Additional Comments

PLEASE SEE ATTACHED PROCEDURE & CURRENT/PROPOSED WELLBORE SCHEMATIC & ATTACHED C-102

²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
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²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Rhonda Rogers</i>		OIL CONSERVATION DIVISION	
Printed name: Rhonda Rogers		Approved By: <i>[Signature]</i>	
Title: Staff Regulatory Technician		Title: Petroleum Engineer	
E-mail Address: rogersr@conocophillips.com		Approved Date: <i>09/13/17</i> Expiration Date: <i>09/13/19</i>	
Date: 09/07/2017	Phone: (432)688-9174	Conditions of Approval Attached	

VACUUM GLORIETA EAST UNIT TRACT 26-003
API# 30-025-20882
PLUG BACK GLORIETA
RECOMPLETE GB-SA

Justification and Background:

This project will recomplete the VGEU 26-03 to the San Andres formation and become part of the East Vacuum Grayburg San Andres Unit (EVGSAU). **This well will be renamed the EVGSAU 2738-405.**

Well Service Procedure:

1. Review JSA prior to RU on well.
2. MI RU Well Service Unit. ND wellhead. NU BOPE.
3. MI RU Wireline Services. NU 5000 PSI lubricator.
4. PU bailer, RIH and dump bail 5 sks Class C cement above CBP @ 6017.
5. PU CBP, RIH and set @ 4815' RIH and dump bail 5 sks Class C cement above CBP.
6. PU & RIH w/guns to perforate first stage using 4" Titan Slick Gun w/ 7/8" super deep penetrating charges (or equivalent). Conduct any repeat gun runs as necessary to perforate as follows:

Interval Top	Interval Bottom	Interval Length	SPF	Phasing	Shot Count
4368'	4377'	9'	3	120°	27
4407'	4416'	9'	3	120°	27
4423'	4443'	20'	3	120°	60
4485'	4497'	12'	3	120°	36
4563'	4574'	11'	3	120°	33
4588'	4603'	15'	3	120°	45

7. Pull fired guns into lubricator, bleed lubricator, & remove spent guns. Verify all shots fired. Record in WellView.
8. RDMO Wireline services once perfing is complete.
9. PU RBP and packer on tubing.
10. Hydro in hole to 5000 PSI.
 - RIH and set RBP @ 4675'

- Come up hole with packer and set @ 4463' (**Note: Attempting to set packer between perfs from 4443' and 4485'**).
11. MIRU acidizing services. RU remote ball launcher.
 12. Pump 110 bbls of 15% NEFE HCL, do not exceed 5000 psi surface pressure.
 - a. Pump 26 bbls of 15% NEFE HCL.
 - b. Pump 58 bbls of 15% NEFE HCL, dropping 57 ball sealers (7/8", 1.1 SG) evenly spaced.
 - c. Pump 26 bbls of 15% NEFE HCL.
 - d. Displace tubing and casing with 28 bbls fresh water.
 13. Release packer and TIH to 4675' to retrieve RBP.
 14. Come up hole and set RBP at 4463' (**Note: Attempting to set RBP between perfs from 4443' and 4485'**).
 15. Come up hole and set packer at 4330'.
 16. Pump 150 bbls of 15% NEFE HCL, do not exceed 5000 psi surface pressure.
 - a. Pump 37 bbls of 15% NEFE HCL.
 - b. Pump 75 bbls of 15% NEFE HCL, dropping 147 ball sealers (7/8", 1.1 SG) evenly spaced.
 - c. Pump 37 bbls of 15% NEFE HCL.
 - d. Displace tubing and casing with 27 bbls fresh water.
 17. Release packer and RIH to 4463' to retrieve RBP.
 18. TOOH and laydown RBP and packer.
 19. Hydro in hole with production tubing.
 - a. Set tubing anchor at 4300'.
 - b. Land end of tubing at 4660'.
 20. TIH with 2" Insert pump and rods. Land pump, Load and test. Space pump. Hang well on.
 21. RD. Clean up location.

CURRENT SCHEMATIC VACUUM GLORIETA EAST UNIT 026-03

District PERMIAN CONVENTIONAL	Field Name VACUUM	API / UWI 300252088200	County LEA	State/Province NEW MEXICO
Original Spud Date 5/16/1964	Surface Legal Location Sec. 27, T-17-S, R-35E	E/W Dist (ft) 330.00	E/W Ref W	N/S Dist (ft) 2,310.00
				N/S Ref N

VERTICAL - MAIN HOLE, 9/15/2017

