Submit 1 Copy To Appropriate District Office	State of New Mexico	Form C-103 Revised July 18, 2013					
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natural Resources	WELL API NO.					
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210 <u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410 District IV – (505) 476-3460	30-025-20846 5. Indicate Type of Lease STATE FEE 6. State Oil & Gas Lease No.						
1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	B-1576-5					
(DO NOT USE THIS FORM FOR PROPOSAL	S AND REPORTS ON WELLS S TO DRILL OR TO DEEPEN OR PLUG BACK TO A ION FOR PERMIT'' (FORM C-101) FOR SUCH	7. Lease Name or Unit Agreement Name VACUUM GLORIETA EAST UNIT; Tract 19					
, _	s Well \Box Other OCD – HOBBS	8. Well Number 001					
2. Name of Operator ConocoPhillips Company	12/04/2020 RECEIVED	9. OGRID Number 217817					
3. Address of Operator P.O. Box 2197, SP2-12-W084 Houst		10. Pool name or Wildcat Vacuum; Glorieta					
4. Well Location Unit Letter_L:2310	feet from the South _ line and660_	feet from the West line					
Section 32	Township 17S Range 35E	NMPM County Lea					
1	1. Elevation (Show whether DR, RKB, RT, GR, etc	.)					
12 Check App	ropriate Box to Indicate Nature of Notice	Report or Other Data					

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING	
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. P AND A	
PULL OR ALTER CASING MULTIPLE COMPL CASING/CEMENT JOB	
DOWNHOLE COMMINGLE	
CLOSED-LOOP SYSTEM	
OTHER: RECOMPLETION TO A DIFFERENT ZONE 🛛 OTHER:	

 Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ConocoPhillips proposes to recomplete the subject well by performing a cement squeeze on the existing perforations in the Vacuum; Glorieta formation and perforating uphole in the Vacuum; Grayburg-San Andres formation. This well will become part of the East Vacuum Grayburg San Andres Unit (EVGSAU).

Attached please find the proposed procedure and wellbore schematic.

Please note: the commencement of recompletion work is contingent on obtaining the appropriate NMOCD and VGEU/EVGSAU partner approvals.

Spud Date: Rig Release Date:		
I hereby certify that the information above is true and complete to the best of my knowledge and belief	•	
SIGNATURE	DATE	12/4/2020
Type or print nameCoby Lee Lazarine E-mail address: _coby.l.lazarine@conocophillips.com	_ PHONE: _	_281-206-5324
For State Use Only		
APPROVED BY:	DATE	12/07/2020

Project Scope

Background and Justification:

This project consists of performing a cement squeeze on VGEU 19-01 followed by a recompletion to the San Andres formation; the well will become part of the East Vacuum Grayburg San Andres Unit (EVGSAU). An attempt was made to TA the well (10/26/20-11/5/20), however, the casing did not hold pressure and we rigged off to decide the path forward.

The Paddock will be abandoned per NMOCD regulations with cement on top of a bridge plug. The San Andres will be perforated and acid stimulated.

NOTE: the work plan is contingent on obtaining the appropriate NMOCD and VGEU/EVGSAU partner approvals.

Possible casing leaks isolated during 10/26-11/5 wellwork: 4830-4860', ~2540-3340'.

Casing Repair

- 1. MIRU WSU. NDWH, NUBOP and test.
- 2. Remove RBP @ 4750' and COOH. Stand back tubing
- 3. MIRU Wireline. PU bailer.
- 4. RIH w/bailer and dump 2.5 sacks Class C cement above RBP @ 6000'.
- 5. COOH. PU CIBP, RIH and set @ +/-4730'.
- 6. COOH, PU bailer.
- 7. RIH w/bailer and dump 2.5 sacks Class C cement above RBP @ 4730'
- 8. Let cement set. Load and test casing to 550 psi. Record leak off rate.
- 9. PU RBP and packer. Isolate and establish rate. COOH.
- 10. RIH with RBP and packer. Set RBP +/-500' below isolated leak. Dump sand on top of RBP.
- 11. Set packer +/-75' above leak. Pump cement. Let cement set.
- 12. Load and test casing to 550 psi. Chart results and report to PE. If squeeze successful, continue with recompletion procedure.

Recompletion

- 1. MIRU wireline services. NU lubricator.
- 2. Perforate the pay interval: 4,481-4,523' (42' net) 84 shots.
- 3. Verify all shots fired.
- 4. ND/LD lubricator and guns
- 5. PU packer and RIH. RU acid services.
- 6. Spot acid across perfs (2 bbls/84 gals), set packer @+/-4420' and establish rate.
- 7. Pump job as follows: break down perfs with 15% NEFE HCL and drop 1.1 SG, 7/8" biodegradable ball sealers for diversion (adjust diameter as necessary based on perf guns procured). Minimum of 6300 gals (150 bbls) of acid will be required as well as a frac tank with 30 bbl (1260 gals) of biocide treated fresh water.

VGEU 19-01 EVGSAU Recompletion

Target rate for the stage is 12 bbls/min.

1	Acid	Pump 30 bbls (1260 gals) 15% NEFE HCL
	Acid + Ball	
2	sealers	Pump 30 bbls (1260 gals) 15% NEFE HCL, dropping 60 balls
3	Acid	Pump 30 bbls (1260 gals) 15% NEFE HCL
	Acid + Ball	
4	sealers	Pump 30 bbls (1260 gals) 15% NEFE HCL, dropping 60 balls
5	Acid	Pump 30 bbls (1260 gals) 15% NEFE HCL
6	Flush	Pump 30 bbls (1260 gals) of treated fresh water as flush

Note: If ball out occurs, SD & surge perfs 3 times.

- 8. RDMO acid services. Let well sit overnight
- 9. COOH laying down workstring and packer. MI new 2-3/8 production string.
- RIH with 2-3/8 tubing and tubing pump barrel per well view design. Seat nipple @+/-4,565', and EOT (dump valve) @+/-4630'. Run standing valve with tubing. Pressure test tubing to 500 psi.
- 11. RIH with rods and 1.75" plunger. Space pump ~25" from bottom
- 12. RDMO, clean location, release all ancillary rental equipment.

Table 3: Proposed Perforations								
Туре	Тор	Bottom						
Perforations (San Andres)	4,481'	4,523'						

Current Tubing Configuration VACUUM GLORIETA EAST UNIT 019-01 3002520846

	VERTICAL, MAIN HOLE, 12/3/2020 3:37:11 PM Tubing Description Set Depth (ftKB) Tubing - Production 6,163.0									B)
MD		Tubing	g - Proc	duction	OD			6	6 <mark>,163.0</mark>	
(ftKB)	Vertical schematic (actual)	Jts		Item Des	Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
		191	Tubin		2.375		4.70	C-90	5,937.50	5,948.5
3.9		1	Ancho	or 4.5 X 2 3/8	4.052	1.995	30.00	TAC	3.50	5,952.0
		7	Tubin	ıg	2.375	1.867	4.70	C-90	210.00	6,162.0
- 0.0		1	Pump	Seating Nipple	2.375	1.780		SN	1.00	6,163.0
- 11.2 -		4								
- 16.1 -	Casing Joints; 11.0-1,550.0									
	Surface Casing Cement; 11.0-1,550.0; 8/30/1964									
- 1,440.9 -										
- 1,495.1 -										
	Bridge Plug - Temporary; 1,495.0-1,499.0; 11/4/2020									
. 1,499.0 .										
- 1,549.9 -	Casing Joints; 0.0-5,579.0 Production Casing Cement; 11.0-6,200.0; 8/30/1964	-								
. 4,750.0										
	Bridge Plug - Temporary; 4,750.0-4,754.0; 11/4/2020	Perfor	rations							
. 4,753.9 .		Date	te	Туре		Btm (ftKB)			Linked Zone	
		8/30/1		Perforated	6,044.0				ORIETA, MA	
- 5,579.1 -		8/30/1	964 F	Perfrated	6,060.0	6,080.0	VACUL	JM::GLC	ORIETA, MA	IN HOLE
- 5,948.5 -	4,750.0-4,754.0; 11/4/2020									
- 5,952.1 -		-								
- 6,000.0 -	Bridge Plug - Temporary;									
- 6,003.9 -	6,000.0-6,004.0; 10/30/2020									
	Perforated; 6,044.0-	1								
- 6,047.9 -	6,048.0; 8/30/1964									
- 6,060.0 -										
	Perfrated; 6,060.0-6,080.0; 8/30/1964									
	2002									
- 6,141.1 -										
		Other		e						
- 6,162.1 -	Production Casing Cement (plug); 6,187.0-6,200.0; 8/30/1964	Descrip Bridge	ption Plug -		OD (in) 4.090	Top (f 6,000	tKB)).0	Btm (1		
		Tempo	orary							
- 6,163.1 -		Descrip Bridge	ption		OD (in) 4.090	Top (f 4,750	tKB)	Btm (1 4,754	ftKB)	
6,187.0	Production Casing Cement (plug); 6,187.0-6,200.0;	Tempo	orary		4.000					
	(plig), 6, 187.0-0,200.0, 8/30/1964	Descrip	ption		OD (in) 4.090	Top (f	tKB)	Btm (1	ftKB)	
- 6,200.1 -		Tempo	e Plug orary		4.090	1,495	.0	1,495		

Proposed Rod and Tubing Configuration VACUUM GLORIETA EAST UNIT 019-01

	VERTICAL, MAIN HOLE, 2/18/2021 8:00:00 AM	Tubing DescriptionSet Depth (ftKB)Proposed Tubing4,630.0					B)		
MD (ftKB)	Vertical schematic (proposed)			OD Nominal	Nominal ID				
3.9 -		Jts 4	Item Des Tubing Subs	(in) 2.375	(in) 1.995	Wt (lb/ft) 4.70	Grade	Len (ft) 16.00	Btm (ftKB) 22.2
- 0.0 -			-						
- 4.9 -			Tubing	2.375	1.995	4.70		4,350.00	4,372.2
6.2			Tubing Marker Sub	2.375	1.995	4.70		8.00	4,380.2
- 11.2 -		2	Tubing	2.375	1.995	4.70	J-55	60.00	4,440.2
- 16.1 -	2-1; Tubing Subs; 2.375; 1.995; 6.2; 16.00 2-1; Polished Rod; 1.500; 5.0; 22.00	1	Anchor 4.5 X 2 3/8	4.052	1.995			2.70	4,442.9
- 22.3 -		2	Tubing	2.375	1.995	4.70	J-55	60.00	4,502.9
- 26.9 -		1	Blast Joint	2.375	1.995	4.70	J-55	31.00	4,533.9
- 1,440.9 -	2-2; Sucker Rod; 0.875; 27.0; 1,900.00	1	Pump barrel	2.375				30.00	4,563.9
- 1,495.1 -		1	Seating Nipple	2.375				1.10	4,565.0
- 1,499.0 -		1	Tubing Sub	2.375	1.995	4.70	J-55	4.00	4,569.0
- 1,549.9 -		1	Cavins	2.375			CAV	30.00	4,599.0
- 1,926.8 -	2-2; Tubing; 2.375; 1.995; 22.2; 4,350.00 2-3; Sucker Rod; 0.750; 1,927.0; 2,200.00	1	Fiberglass Tailpipe	2.375				30.00	4,629.0
- 4,127.0 -	A 2-4; Sinker Bar; 1.500; 4,127.0; 25.00	1		2.375				1.00	4,630.0
- 4,151.9 -	2-5; Rod Guide: 0.750; 4,152.0; 2.00			2.010				1.00	1,000.0
- 4,153.9 -	2-6; Sinker Bars with rod guids every 100'; 1.500;								
- 4,372.0 -	4,154.0; 406.00 								
- 4,380.2 -	2-4; Tubing; 2.375; 1.995; 4,380.2; 60.00								
- 4,440.3 -	2-5; Anchor 4.5 X 2 3/8; 4.052; 1.995; 4,440.2; 2.70								
- 4,442.9 -	2-6; Tubing; 2.375; 1.995; 4,442.9; 60.00								
- 4,481.0 -	Des:Perforated; Date:2/15/2021; Top MD:4,481.0; Btm								
- 4,503.0 - - 4,523.0 -	MD.4,323.0	Rod De	escription					Set Depth (f	tKB)
- 4,533.8 -		Propo	sed Rods					4,565.0	,
4,560.0	2-8; Pump barrel; 2.375; 4,533.9; 30.00 2-7; Tubing Pump; 1.750; 4,560.0; 4.00 2-9; Seating Nipple; 2.375; 4,563.9; 1.10	Jts	Item Des Polished Rod		OD (in)	API Grad	le	Len (ft) 22.00	Btm (ftKB) 27.0
- 4,564.0 -	2-7; Tubing Pump; 1:750; 4:560.0; 4:00 2-9; Seating Nipple; 2:375; 4:563.9; 1:10 2-8; Gas Anchor/Dip Tube; 1:250; 4:564.0; 1:00	76	Sucker Rod			D Spec		1,900.00	1,927.0
4,565.0 -		10				KD		1,300.00	1,527.0
- 4,568.9 -	2-10; Tubing Sub; 2.375; 1.995; 4,565.0; 4.00	88	Sucker Rod		3/4	D Spec		2,200.00	4,127.0
- 4,599.1 -	2-11; Cavins; 2.375; 4,569.0; 30.00 2-12; Fiberglass Tailpipe; 2.375; 4,599.0; 30.00					KD			
4,628.9		1	Sinker Bar		1 1/2	С		25.00	4,152.0
- 4,629.9 -	2-13; Cavins dump valve; 2.375; 4,629.0; 1.00	1	Rod Guide		3/4			2.00	4,154.0
- 4,730.0 -	Bridge Plug w/Cement Cap; 4.090; 4,730.0-4,734.0	16	Sinker Bars with rod guids	s	1 1/2	С		406.00	4,560.0
- 4,733.9 -			every 100'						
- 4,750.0 -		1	Tubing Pump		1 3/4			4.00	4,564.0
- 4,753.9 -		1	Gas Anchor/Dip Tube		1 1/4			1.00	4,565.0
- 5,579.1 -									
- 5,948.5 -									
- 5,952.1 -									
- 6,000.0 -									
- 6,003.9 -									
- 6,044.0 -	Des:Perforated; Date:8/30/1964; Top MD:6,044.0; Btm MD:6,048.0								
- 6,060.0 -	Des:Perfrated; Date:8/30/1964; Top MD:6,060.0; Btm								
- 6,080.1 -	MD:6,080.0								
- 6,141.1 -									
- 6,162.1 -									
- 6,163.1 -									
- 6,187.0 -	Des:PBTD; Depth MD:6,187.0; Date:11/3/1994								
- 6,200.1 -									
L									