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1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-20846
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-1576-5
7. Lease Name or Unit Agreement Name VACUUM GLORIETA EAST UNIT; Tract 19
8. Well Number 001
9. OGRID Number 217817
10. Pool name or Wildcat Vacuum; Glorieta

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	OCD – HOBBS
2. Name of Operator ConocoPhillips Company	12/04/2020 RECEIVED
3. Address of Operator P.O. Box 2197, SP2-12-W084 Houston, TX 77252	
4. Well Location Unit Letter L : 2310 feet from the South line and 660 feet from the West line Section 32 Township 17S Range 35E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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

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

13. 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 Coby Lee Lazarine TITLE Regulatory Coordinator DATE 12/4/2020

Type or print name Coby Lee Lazarine E-mail address: coby.l.lazarine@conocophillips.com PHONE: 281-206-5324

For State Use Only

APPROVED BY: [Signature] TITLE DATE 12/07/2020
Conditions of Approval (if any):

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 perms (2 bbls/84 gals), set packer @ +/-4420' and establish rate.
7. Pump job as follows: break down perms 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.

Target rate for the stage is 12 bbls/min.

1	Acid	Pump 30 bbls (1260 gals) 15% NEFE HCL
2	Acid + Ball sealers	Pump 30 bbls (1260 gals) 15% NEFE HCL, dropping 60 balls
3	Acid	Pump 30 bbls (1260 gals) 15% NEFE HCL
4	Acid + Ball 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.
10. 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.

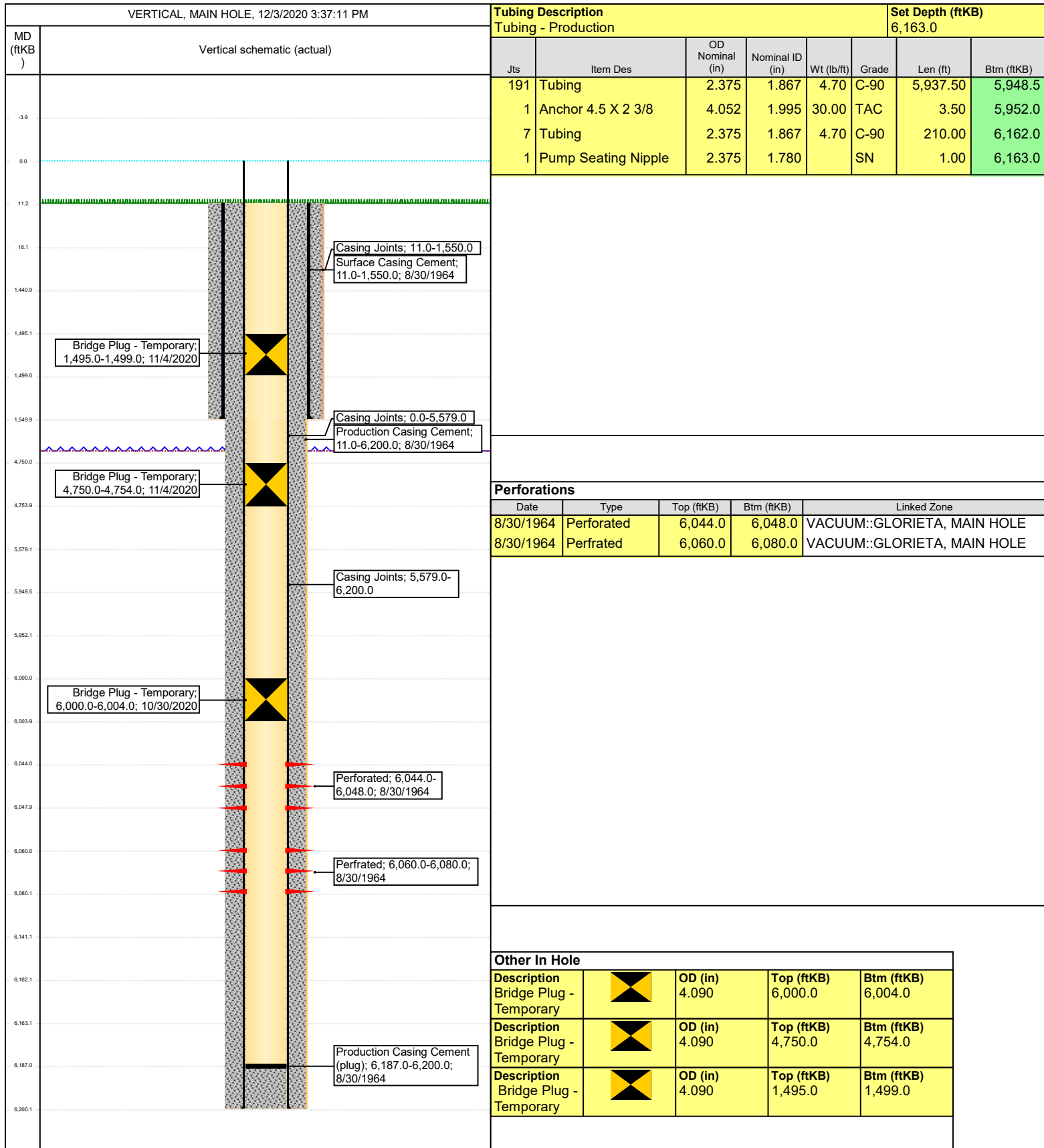
Table 3: Proposed Perforations

Type	Top	Bottom
Perforations (San Andres)	4,481'	4,523'

Current Tubing Configuration

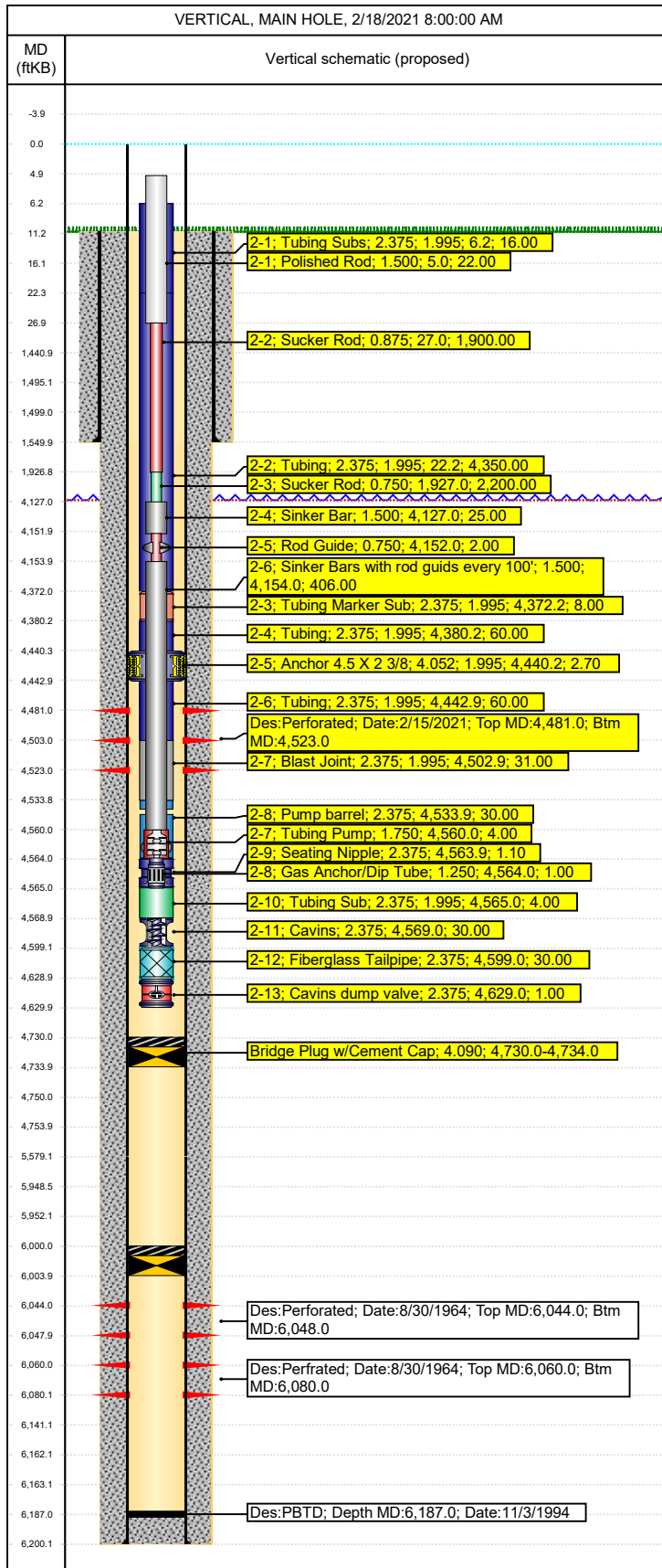
VACUUM GLORIETA EAST UNIT 019-01

3002520846



Proposed Rod and Tubing Configuration

VACUUM GLORIETA EAST UNIT 019-01



Tubing Description						Set Depth (ftKB)	
Proposed Tubing						4,630.0	
Jts	Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
4	Tubing Subs	2.375	1.995	4.70	J-55	16.00	22.2
145	Tubing	2.375	1.995	4.70	J-55	4,350.00	4,372.2
1	Tubing Marker Sub	2.375	1.995	4.70	J-55	8.00	4,380.2
2	Tubing	2.375	1.995	4.70	J-55	60.00	4,440.2
1	Anchor 4.5 X 2 3/8	4.052	1.995			2.70	4,442.9
2	Tubing	2.375	1.995	4.70	J-55	60.00	4,502.9
1	Blast Joint	2.375	1.995	4.70	J-55	31.00	4,533.9
1	Pump barrel	2.375				30.00	4,563.9
1	Seating Nipple	2.375				1.10	4,565.0
1	Tubing Sub	2.375	1.995	4.70	J-55	4.00	4,569.0
1	Cavins	2.375			CAV	30.00	4,599.0
1	Fiberglass Tailpipe	2.375				30.00	4,629.0
1	Cavins dump valve	2.375				1.00	4,630.0

Rod Description					Set Depth (ftKB)	
Proposed Rods					4,565.0	
Jts	Item Des	OD (in)	API Grade		Len (ft)	Btm (ftKB)
	Polished Rod	1 1/2			22.00	27.0
76	Sucker Rod	7/8	D Spec KD		1,900.00	1,927.0
88	Sucker Rod	3/4	D Spec KD		2,200.00	4,127.0
1	Sinker Bar	1 1/2	C		25.00	4,152.0
1	Rod Guide	3/4			2.00	4,154.0
16	Sinker Bars with rod guides every 100'	1 1/2	C		406.00	4,560.0
1	Tubing Pump	1 3/4			4.00	4,564.0
1	Gas Anchor/Dip Tube	1 1/4			1.00	4,565.0