Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
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

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-40737

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No.

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.)

HOBBSOCD

7. Lease Name or Unit Agreement Name
Vacuum Glorieta East Unit Tract 25

1. Type of Well: Oil Well [ ] Gas Well [X] Other Injection Well

8. Well Number 32

2. Name of Operator ConocoPhillips Company

FEB 16 2015

9. OGRID Number 217817

3. Address of Operator P. O. Box 51810 Midland, TX 79710

RECEIVED

10. Pool name or Wildcat
Vacuum; Glorieta

4. Well Location
Unit Letter E : 1695 feet from the North line and 723 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 [ ]	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 [ ]			
OTHER: add pay [X]		OTHER: [ ]	

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 Company would like to add perf to existing perf. Existing perfs are 2 spf and will be reshot @ 4 spf. Perfs will be added @ 6016'-6140' per attached procdures.
Attached is a current wellbore schematic.

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 Rhonda Rogers TITLE Staff Regulatory Technician DATE 02/10/2015

Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com PHONE: (432)688-9174

For State Use Only

APPROVED BY: TITLE Petroleum Engineer DATE 02/16/15

Conditions of Approval (if any):

FEB 17 2015

VGEU 25-32W

API# 30-025-40737
Add Pay

Project Scope

Justification and Background: Add 50' of new perforations & reshoot existing perforations
This well is only taking roughly 100 bwpd. The existing perforations were shot at 2 SPF and will be reshot at 4 SPF. The pay add will target the Paddock dolomite beneath the limestone flood target to provide pressure support from the bottom. The pay add will also help with the water handling issues that will begin as the new drill program begins. This well was targeted due to low injectivity. All perforations will be acidized and rock salt will be used for diversion. Based on oil response from wells surrounding high rate injectors, a conservative 7 bopd uplift is expected at a low decline rate of 5%.

Objective and Overview: Add perforations and acidize.

- NDWH. NUBOP. TOOH w/ production Tbg.
- PU & TIH w/ bit & scraper on workstring.
- RIH w/ wireline & perforate.
- RIH w/ workstring & acidize perforations and drop rock salt for diversion.
- LD workstring.
- PU & RIH w/ injection packer, XN profile nipple, on-off tool, & IPC production Tbg.
- Set packer. Land Tbg in hanger. Return to injection.

Table 4 : Pipe Information

Casing type	OD (in)	Depth (ft)	Weight (lb/ft)	Grade	ID (in)	Drift (in)	Burst (psi)	Collapse (psi)	Volume (bbl/ft)
Surface	8 5/8	1,574'	24#	J-55	8.097	7.972	2470	1640	.0636
Production	5 1/2	6,380'	15.5#	J-55	4.950	4.825	4,810	4,040	.0238
Tubing Type									
Production	2 3/8	5,963'	4.7#	J-55	1.995	1.901	7,700	8,100	.00387

Table 5 : Perforations

Type	Formation	Top	Bottom
Perforations	Paddock	6,050'	6,099'
PBTD	6,335'		
TD	6,400'		

Well Service Procedure:

1) MIRU pulling unit. Kill well.

2) NDWH, NUBOP. Test BOP. Release packer & TOOH w/ 2 3/8" 4.7# J-55 IPC production Tbg. Visually inspect all Tbg out of hole. Stand Tbg back in derrick. Lay down packer.

3) MI lay down machine. PU & TIH w/ bit and scraper sized for 5 ½" 15.5# J-55 casing on 2 7/8" 6.5# L-80 workstring to PBTD @ 6,335'.

4) TOOH w/ work string and stand back in derrick. LD bit and scraper.

5) MIRU wireline services. NU 5000 psi lubricator (note: use lubricator shop tested to 2,000 psig is acceptable) and RIH w/ perf guns to perforate using 4" Titan Slick Gun w/ super deep penetrating charges (ch-40g, eh-0.52", pen-52.13") or equivalent loaded at 4 SPF to accomplish 120 degree phasing. Perforate as follows:

Note: Correlate w/ Schlumberger CBL, Slim Sonic Logging Tool, and CCL-GR dated 01/10/2013

Lower Blinebry	Feet	Shots
6,016' – 6,031' (Proposed)	15	60
6,050' – 6,080' (Active)	30	120
6,084' – 6,099' (Active)	15	60
6,105' – 6,140' (Proposed)	35	140
Total	95	380

6) TOOH with perforating guns and inspect to verify number of shots fired. ND lubricator. **RD and release wireline services.**

7) RU hydro-test services. PU & RIH w/ treating packer on work string testing to 8,200 psig below slips. Set packer @ 5,840' (5 bbl capacity between packer and top perf) (between collars – 5,812' & 5,855'). Load backside & test packer to 500 psi surface pressure.

8) RU Acid stimulation services. Set pump trips @ 7,800 psi. Set treating line pop-off to release @ 8,000 psi. Test surface lines @ 8,700 psi. Pump 9,500 gal (226 bbls) of 15% Ferchek SC Acid to perforations (6,016' – 6,140') and drop 3,025 lbs of rock salt (anticipated treating pressure: ~3,500 psi @ 4-5 BPM, assumes .9 frac gradient). Flush with 39 bbls of brine water. Ensure spring operated relief valve installed, set no higher than 500 psi, on the 2 7/8" x 5 ½" Annulus. Record ISIP, SITP (5 min), SITP (10 min), SITP (15 min).

Acid Stimulation

a) Pump, establish and record injection rate and pressure w/ field brine water
b) Pump 1500 gallons (~36 bbls) of acid
c) Pump 24 bbls (1,000 gal.) of field brine water containing up to a .5#/gal concentration of rock salt (500 lbs) as diverting agent (concentration bases on injection rate / pressure response of existing perforations)
d) Pump 1600 gallons (~48 bbls) of acid
e) *If pressure increase is marginal on .5#/gal then proceed with 1#/ gal.*
f) Pump 20 bbls (850 gal.) of field brine water containing up to a 1#/gal concentration of rock salt (850 lbs) as diverting agent (concentration bases on injection rate / pressure response of existing perforations).
g) Pump 1600 gallons (~48 bbls) of acid
h) Repeat step f & g until acid is put away (~2 more salt stages, ~3 more acid stages @ 1,600 gallons)
i) Displace acid treatment w/ 39 bbls of brine water

Note 1: Pressure may not allow for all the rock salt to be pumped.
Note 2: If interval screens off, release pressure, back flush to open top frac tank, then return to acid stimulation.

TREATING LINE TEST PRESSURE: A minimum 500 psig over MAWP. *Acceptable test will be no more than 300 psi leak off in 5 minutes, with no more than 1% leak off in last minute, AND NO VISIBLE LEAKS.*	**8,700**	**PSIG**
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system (COP define 1.2 SF for 2 7/8" L-80 workstring burst)	**8,200**	**PSIG**

NITROGEN POP-OFF SETTING: *the valve is to be tested prior to pumping, and must pop within 500 psi of set pressure.*	**8,000**	**PSIG**
TRUCK KILL SETTING	**7,800**	**PSIG**
ANTICIPATED TREATING PRESSURE:	**~3,500**	**PSIG**

9) Obtain ISIP. Continue monitoring and recording for 15 minutes following shut-in (every 5 minutes).

10) RD stimulation equipment. Check pressures and bleed pressure down on casing & Tbg. MI lay down machine. Release packer and TOOH. LD work string & packer.

11) RU wireline services. NU lubricator. RIH w/ injection packer, XN profile nipple (with plug in profile), and On/Off tool (seal nipple). Set packer @ ~5,978'. ND lubricator and release wireline services.

12) RU Hydro-test services. PU & RIH w/ 2 3/8" 4.7# J-55 IPC production Tbg testing to 5,000 psi below slips. Release Hydro-test services.

13) Circulate packer fluid to surface (5,978 x **0.0108 bbl/ft** = 64.56 bbls). Latch onto On/Off tool.

14) RU pump truck and chart recorder w/ 1000 psi chart to casing and pressure test casing/packer to 500 psi for 35 mins. **Note: Notify the NMOCD of the impending test**

15) Land Tbg in hanger. NDBOP. NUWH. Notify MSO to sign off on well and return well to injection.

16) RDMO

CURRENT SCHEMATIC

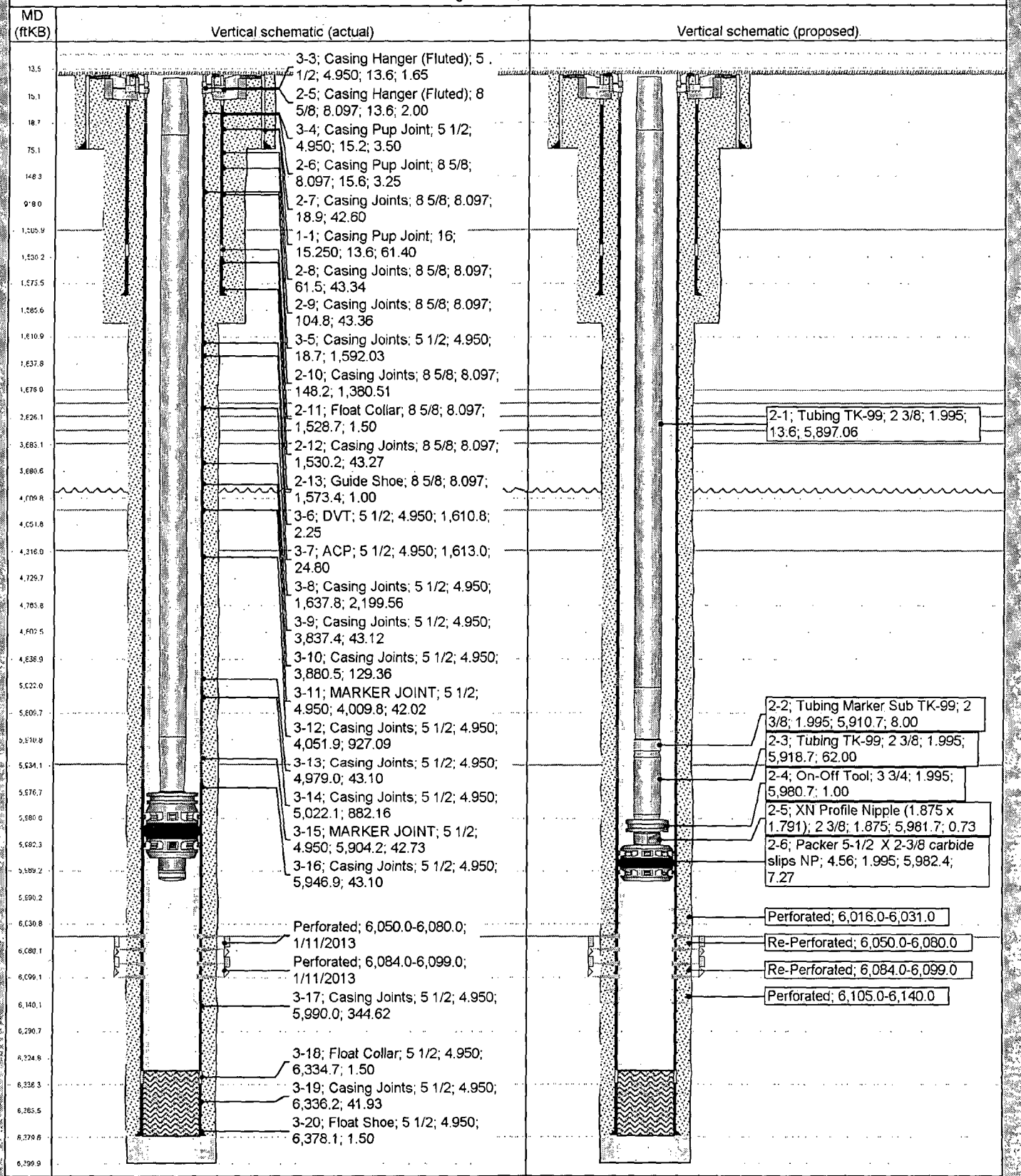
ConocoPhillips

VACUUM GLORIETA EAST UNIT 025-32

District	Field Name	API / UWI	County	State/Province
PERMIAN CONVENTIONAL	VACUUM	3002540737	LEA	NEW MEXICO

Original Spud Date	Surface Legal Location	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref
12/23/2012	Section 32, Township 17S, Range 35E	723.00	FWL	1,695.00	FNL

VERTICAL - Original Hole, 2/9/2015 11:35:14 AM



Report Printed: 2/9/2015