

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

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.)		WELL API NO. 30-025-40739
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Injection Well <input checked="" type="checkbox"/> HOBBS OCD		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator ConocoPhillips Company		6. State Oil & Gas Lease No.
3. Address of Operator P. O. Box 51810 Midland, TX 79710		7. Lease Name or Unit Agreement Name Vacuum Glorieta East Unit Tract 19
4. Well Location Unit Letter <u>M</u> : 968 feet from the <u>South</u> line and <u>733</u> feet from the <u>West</u> line Section <u>32</u> Township <u>17S</u> Range <u>35E</u> NMPM County <u>Lea</u>		8. Well Number 033
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3972' GL		9. OGRID Number 217817
		10. Pool name or Wildcat Vacuum; Glorieta

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: add pay ☒

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 pay to the Vacuum; Glorieta and re-shoot the existing perfs per attached procedures. Attached is a current/proposed 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 09/16/2015

Type or print name Rhonda Rogers

E-mail address: rogersr@conocophillips.com

PHONE: (432)688-9174

For State Use Only

APPROVED BY:

[Signature]

TITLE

DATE

09/22/15

Conditions of Approval (if any):

SEP 23 2015

hm

VGEU 19-33W
API 30-025-40739
ADD PAY

Project Scope

Justification and Background: Add 35' of new perforations, reshoot 40' of existing perforations & acidize all perforations

All the perforations will be acidized and rock salt will be used for diversion. The pay add will target the Paddock dolomite beneath the limestone flood to provide pressure support from the bottom. The pay add will also help with the water handling issues that will occur as the new drill program begins. This well was targeted due to low injectivity.

Perforations

Type	Formation	Top	Bottom
Perforations	Paddock	6,095'	6,139'
PBTD		6,345'	
TD		6,425'	

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 back in derrick. Lay down packer.
- 3) MI lay down machine. PU & TIH w/ bit & scraper sized for 5 1/2" 15.5# J-55 casing on 2 7/8" 6.5# L-80 workstring to PBTD @ 6,345'.
- 4) TOOH w/ bit & scraper on work string. Stand back work string in derrick. LD bit & scraper.
- 5) MIRU Schlumberger 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 90 degree phasing. Perforate as follows:

Note: Correlate w/ Cement Bond Log GR – CCL Log dated 12/18/2012

Lower Blinbry	Feet	Shots
6,095' – 6,122' (Existing)	27	108
6,126' – 6,139' (Existing)	13	52
6,145' – 6,160' (Proposed)	15	60
6,198' – 6,218' (Proposed)	20	80
Total	75	300

- 6) TOOH with perforating guns and inspect to verify number of shots fired. Record perforations in Wellview. 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 @ 5,885' (between collars 5,867' – 5,908') (5 bbl capacity between packer and top perf). Load backside & test packer to 500 psi surface pressure.

VGEU 19-33W
API 30-025-40739
ADD PAY

- 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 7,500 gal (178 bbls) of 15% Ferchek SC Acid to perforations (6,095' – 6,218') and drop 12,000 lbs of rock salt (anticipated treating pressure: ~3,500 psi @ 4-5 BPM, assumes .9 frac gradient). Flush with ~34 bbls of fresh water. Ensure spring operated relief valve installed, set no higher than 500 psi, on the 2 7/8" x 5 1/2" Annulus. Record ISIP, SITP (5 min), SITP (10 min), SITP (15 min).
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.
- 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.
- 11) MI lay down machine. Release packer and TOO H w/ work string. LD work string & packer.
- 12) RU Hydro-test services. PU & RIH w/ new Nickle Coated injection packer, XN profile nipple (if needed - with plug in profile), On/Off tool (seal nipple), and 2 3/8" 4.7# J-55 IPC production Tbg testing to 5,000 psi below slips. Release Hydro-test services.
- 13) Set packer @ ~6,051' (same depth as existing). Release from On/Off tool. Pump packer fluid down annulus (6,051 x **0.0183 bbl/ft** = 111 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.
- 16) If plug was in the profile while TIH w/ packer. RU wireline services. NU lubricator. RIH & retrieve plug from 1.875" profile. TOO H w/ plug. ND lubricator & release wireline services.
- 17) Notify MSO to sign off on well and return well to injection.
- 18) RDMO and release all ancillary rental equipment.



CURRENT SCHEMATIC
VACUUM GLORIETA EAST UNIT 019-33

District PERMIAN CONVENTIONAL	Field Name VACUUM	API / UWI 3002540739	County LEA	State/Province NEW MEXICO
Original Spud Date 12/4/2012	Surface Legal Location Section 32, Township 17S, Range 35E	E/W Dist (ft) 733.00	E/W Ref FWL	N/S Dist (ft) 968.00
N/S Ref FSL				

VERTICAL - Original Hole, 9/16/2015 8:29:45 AM

