

District I
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District II
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District III
1000 Rio Brazos Road, Aztec, NM 87410
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 July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

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

| | | |
|---|---|---|
| ¹ Operator Name and Address CONOCOPHILLIPS COMPANY 600 N. DAIRY ASHFORD, EC3-10-W284 HOUSTON, TEXAS 77079 | | ² OGRID Number 217817 |
| | | ³ API Number 30-025-33928 |
| ⁴ Property Code 31146 | ⁵ Property Name EAST VACUUM GBSA UNIT | ⁶ Well No. 136 |

7. Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| | 33 | 17S | 35E | | 2175 | NORTH | 336 | WEST | LEA |

8. Proposed Bottom Hole Location

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

9. Pool Information

| | |
|------------------------------------|--------------------|
| Pool Name EAST VACUUM GBSA UNIT | Pool Code 62180 |
|------------------------------------|--------------------|

Additional Well Information

| | | | | |
|---|---------------------------------------|--|-----------------------------------|--|
| ¹¹ Work Type ADD A NEW ZONE | ¹² Well Type OIL | ¹³ Cable/Rotary ROTARY | ¹⁴ Lease Type STATE | ¹⁵ Ground Level Elevation 3948 |
| ¹⁶ Multiple | ¹⁷ Proposed Depth 8179' | ¹⁸ Formation VACUUM | ¹⁹ Contractor | ²⁰ Spud Date 09/18/1997 |
| Depth to Ground water | | Distance from nearest fresh water well | | Distance to nearest surface water |

☐ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|--------------|-----------|-------------|------------------|---------------|-----------------|---------------|
| SURFACE | 17 1/2" | 13 3/8" | 54.5# | 1647' | 1550 sx | SURFACE |
| INTERMEDIATE | 11" | 8 5/8" | 24/32# | 4700' | 2050 sx | 1440' TOC |
| PRODUCTION | 7 7/8" | 5 1/2" | 17/20# | 8179' | 2120 sx | SURFACE |

Casing/Cement Program: Additional Comments

Please see the attached summary and procedure.

22. Proposed Blowout Prevention Program

| Type | Working Pressure | Test Pressure | Manufacturer |
|------|------------------|---------------|--------------|
| | | | |

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 ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

Printed name: KRISTINA MICKENS

Title: Sr. Regulatory Coordinator

E-mail Address: Kristina.Mickens@cop.com

Date: 03/23/2017

Phone: 281-206-5282

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date:

Expiration Date:

Conditions of Approval Attached

Petroleum Engineer

EAST VACUUM GBSA UNIT 136

API# 30-025-33928

Location: Sec 33, 17S, 35E

ConocoPhillips Company respectfully requests to abandon the lower zone of the subject well and recomple to the unitized formation of the East Vacuum GBSA Unit. The well associated with the subject API number is the Santa Fe 136, however with recompleting to the unitized formation of the East Vacuum GBSA Unit, we request to change the well name to the East Vacuum GBSA Unit 136. A Sundry Notice (C-103) has submitted for the well name change under a separate cover. A bridge plug will be set above existing perforations and cemented in place and then the well will be recompleted to the San Andres formation as part of the TZ/ROZ development program.

1. MIRU WSU
2. TOOH with rods and pump, laying down rods.
3. NDWH, NUBOP.
4. Release TAC & TOOH with tubing. Lay down TAC and tubing.
5. MI 2-7/8" workstring. PU & TIH with workstring and bit & scraper sized for 5.5", 17# casing. Clean out down to ~ 6,580' (just below plug setting location). POOH w/ bit and scraper.
6. PU & TIH with CIBP for 5.5" 17# casing. Set plug @ ~6,565' (~50' above top perf). Test CIBP/casing to 500 psi to confirm it is holding.
7. Circulate fresh water to surface.
8. Cap CIBP w/10sx class C cement. Pull EOT to 6200' (TOC: ~6464'). SD minimum 4 hr. RIH and tag cement. POOH.
9. NDBOP. NUWH. RU wireline and lubricator. RIH with CIBP and set @ 5,000'.
10. RIH with GR/CCL and perf guns to perforate the TZROZ section (~4,600' - 4,850'). Correlate with Neutron/Gamma log dated 10/29/1997. Pull fired perf guns. RD wireline.
11. NDWH, NUBOP. RIH w/packer and tubing to ~4,600'. Set packer. Load annulus and pressure test to 500 psi. RU acid pumps. Acidize perforated interval with ~15,000 gallons of 15% HCl using ball sealers for diversion. Treat at 3 bpm 2000 psi max.
12. POOH with tubing and packer.
13. PU & RIH with SLB ESP design on 2-7/8" TK-99 tubing.
14. RDMO. Clean location and release all rental equipment.