

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
CONOCO INC  
CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)

Section 23, T-26-N, R-11-W, J  
1580' FSL 1700' FEL

5. Lease Designation and Serial No.

NOOC 14203023

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Nassau #3E

9. API Well No.

30-045-24961

10. Field and Pool, or Exploratory Area

Gallegos Gallup, Basin Dakota

11. County or Parish, State

San Juan, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Repon  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracrunng  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Repon results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Conoco, Inc proposes to recomplete to the Gallup in this well using the attached procedure.

14. I hereby certify that the foregoing is true and correct

Signed

Kay Maddox

Title

Kay Maddox

-Regulatory Agent

Date

6/23/99

(This space for Federal or State office use)

WAYNE TOWNSEND

Title

P. F. Eng.

Date

7-9-99

Approved by

Conditions of approval if any:

BLM(6), NMOC(1), SHEAR, PONCA, COST ASST, FILE ROOM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

NMOC

**NASSAU 3E**  
**GALLUP RE-COMPLETION AND DHC WITH DAKOTA PROCEDURE**

- A.     Locate and test deadman anchors. Spot flowback pit (20x20) and prepare. Inform operator of work to be done and time frame. Check for location size and equipment placement. Identify any hazards (power lines, H<sub>2</sub>S, tight equipment fits).  
      Have pressure gauges on both casing and tubing when necessary (during acid, frac, testing).
1.     Hold Safety Meeting. MI and RU workover rig. Bleed off any pressure.
  2.     ND tree and NU BOP's . POOH w/195 jts. 1.9" tubing. **NOTE: Look for scale on tbg.**
  3.     RU wireline and run gauge ring for 4 ½" csg. to 6130'. POOH. RIH with CBL and log from 6000' to 5000'. POOH. PU and RIH w/EZ drill BP and set at 6120'.
  4.     Load hole and pressure test csg to 3000 psi. If csg does not hold, squeeze.
  5.     RIH w/3-1/8", HSC select fire w/11 gram charges, with .32" hole size and perforate 5404'-5428' 1 SPF, and 5345'-5353' 1 SPF the Gallup formation correlating to the Welex Compensated Density Log dated 4-4-81 log. RD wireline.
  6.     RIH w/4-1/2" packer on 2-3/8" tubing. Set packer @ 5300'. Pressure test backside to 500 psi.
  7.     RU BJ and acidize Gallup formation per BJ procedure with 800 gals of 15% HCL acid with 48 ball sealers. Record pressures, release packer and run packer thru perfs and knock balls off. POOH.
  8.     Prepare to frac well down 4-1/2" casing per BJ procedure. RD BJ.
  9.     Flow well back until cleaned up.
  10.    RIH and clean out and drill up EZ drill BP, and clean out to PBTD 6,314'. POOH.
  11.    RIH with 2-3/8" production tbg to 6142'.
  12.    Install plunger lift and put well on production.

**NASSAU 3E  
GALLUP RE-COMPLETION AND DHC WITH DAKOTA PROCEDURE  
API 30-045-24961**

**JUSTIFICATION:** Funds in the amount of \$100,000 are requested to recomplete the Gallup in the Nassau #3E and downhole commingle with current Dakota production. The Nassau #3E, located in the NWSE of Sec 23, was spud March 1981 and completed as a Dakota single in May 1981. Cumulative production from the Dakota as of Dec 31, 1998 is 559 MMcf and 4488 BBl condensate. The well is currently shut-in with a possible casing leak. Prior to being shut-in in March 1996, the well was producing 114 Mcfd, 1 BOPD and 0.5 BWPD.

A productive Gallup bench trends generally northwest to southeast through the Nassau #3E location. The Gallup has produced 365 MMcf and 10,800 BBls of condensate from the Nassau #3 located in SWNE of Sec 23. Current production from the #3 is 100 Mcfd and 2 BOPD. The Davis Federal #1 located in NWSW of Sec 24 has produced 2,169 MMcf and 10,040 BBl condensate and is currently producing 200 Mcfd and 0.5 BOPD. Well logs indicate similar sand development and quality in the Nassau #3E location. Reserves were determined volumetrically assuming drainage has occurred at the #3E location due to offset production. Current reservoir pressure at the #3E location is estimated to be 500 psia, 700 psia down from the original 1200 psia. Based on 50' net pay, reserves are estimated at 354 MMcf and 7 MBO. Initial production is expected to stabilize at 75 Mcfd and 1.5 BOPD.

Conoco will have 100% WI (77% NRI) in the Gallup recomplete. Based on the current price forecast and \$2,400/yr additional operating cost the project provides a NPV of 115 M\$, 2.15 PI, and 29.3 ROR.

**WELL INFORMATION:**

Current Status: Shut-in, Dakota

Last Action To Well: Shut-in

Location: 1580' FSL & 1700' FEL, Sec. 23-T26N, R11W, San Juan County, NM

TD: 6,400'  
PBSD: 6,314'(Cement Plug)  
GLE: 6,309'  
KBE: 6,309'  
TOC: 4,289'

Casing Specifications:

Pipe	Depth (ft)	Drift ID (inches)	Collapse 80% (psi)	Burst 80% (psi)	Capacity (bbl/ft)
8-5/8", 24.0#	219	7.972	1100	2360	.0636
4-1/2", 10.5#	6398	3.972	3210	3830	.0159

Tubing Specifications:

Pipe	Depth (ft)	Drift ID (inches)	Collapse 80% (psi)	Burst 80% (psi)	Capacity (bbl/ft)
1-9", 2.9, J-55, EUE 10rd	6196	1.516	6200	5880	.00252

## RESERVOIR INFORMATION:

Current Perforations:

6142',6144',6184',6188',6190',6192',6194',6196',6198',6200',6204',6206',6242',6256',6258',6260',6262',6264',6272',6274',6276'

**NOTE: ALL PERFS ARE 1 SPF**

District IV  
PO Box 2088, Santa Fe. NM 87504-208

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-24961		2 Pool Code 26980	3 Pool Name Gallegos Gallup	
4 Property Code 16058	5 Property Name Nassau			6 Well Number #3E
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation

## 10 Surface Location

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	26N	11W		1580'	South	1700'	East	San Juan

## 11 Bottom Hole Location If Different From Surface

A Section Here Location is Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320	13 Joint or Infil	14 Consolidation Code		15 Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  <div><div><i>Kay Maddox</i></div><div>Signature</div></div> <div><div>Kay Maddox</div><div>Printed Name</div></div> <div><div>Regulatory Agent</div><div>Title</div></div> <div><div>6/18/99</div><div>Date</div></div>
					<b>18 SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  <div><div>Date of Survey</div><div>Signature and Seal of Professional Surveyor:</div></div>
					<div>Certificate Number</div>

1580'

1700'

0

HOLD C104 FOR NSL (E)