

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 29 2008

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1 Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5 Lease Serial No NMNM-0557389
2 Name of Operator QUESTAR EXPLORATION & PRODUCTION COMPANY		6 If Indian, Allottee, or Tribe Name
3a Address 1050 17TH STREET, SUITE 500 DENVER, CO 80265	3b Phone No (include area code) (303) 672-6900	7 If Unit or CA Agreement Name and/or No
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) SE NW 2310' 1980' 12 T 24N R 8W Long. FNL FWL		8 Well Name and No NANCY #4
		9 API Well No 30-045-11954
		10 Field and Pool, or Exploratory Area DUFERS POINT
		11 County or Parish, State SAN JUAN NEW MEXICO

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal		

13 Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Questar Exploration & Production Company proposes to plug and abandon the Nancy #4 per the attached procedure and wellbore diagram.

If you have any questions or concerns, please contact Sarah Boxley at (303) 672-6916.

RCVD OCT 30 '08

OIL CONS. DIV.
DIST. 3

14 I hereby certify that the foregoing is true and correct	
Name (Printed Typed) Sarah Boxley	Title Permit Agent
Signature <i>Sarah Boxley</i>	Date 10/28/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title Date OCT 30 2008
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	

Title 18 USC Section 1001 AND Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD 11/6

PLUG AND ABANDONMENT PROCEDURE

October 8, 2008

Nancy #4

Duffers Point Gallup / Dakota
2310' FNL & 1980' FWL, NW, Section 12, T24N, R8W
San Juan County, New Mexico, API #30-045-11954

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 14.8 ppg with a 1.18 cf/sx yield.

1. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.

3. Rods: Yes ☐, No ☒, Unknown ☐.
Tubing: Yes ☒, No ☐, Unknown ☐, Size 2.375", Length 7002'.
Packer: Yes ☐, No ☒, Unknown ☐, Type .
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

4. **Plug #1 (Dakota perforations and top, 6813' - 6713')**: TIH and set 4.5" cement retainer at 6813'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Mix 12 sxs cement and spot a balanced plug inside casing above CR to isolate the Dakota perforations and top. TOH.

5. **Plug #2 (Gallup perforations and top, 6124' - 5925')**: TIH and set 4.5" cement retainer at 6124'. Load casing with water and circulate well clean. Pressure test casing to 800#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 19 sxs cement and spot a balanced plug inside casing above CR to isolate the Gallup perforations and top. PUH.

6. **Plug #3 (Mesaverde top, 3453' - 3353')**: Mix 12 sxs cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.

7. **Plug #4 (Pictured Cliffs and Fruitland top, ²⁶⁵⁸2643' - ²³¹⁰2263')**: Perforate 3 squeeze holes at ²⁶⁵⁸2643'. Attempt to establish rate into squeeze holes if the casing tested. Set 4.5" cement retainer at ²⁶⁵⁸2563'. Establish rate into squeeze holes. Mix and pump 167 sxs cement, squeeze 136 sxs outside the casing and leave 31 sxs inside casing to cover through the Fruitland top. TOH with tubing.

8. **Plug #5 (Kirtland and Ojo Alamo tops, ²¹⁴⁵2095' - ¹⁸³⁴1839')**: Perforate 3 squeeze holes at ²¹⁴⁵2095'. Attempt to establish rate into squeeze holes if the casing tested. Set 4.5" cement retainer at ²¹⁴⁵2045'. Establish rate into squeeze holes. Mix and pump ²¹⁴⁵123 sxs cement, squeeze 99 sxs outside the casing and leave ²¹⁴⁵24 sxs inside casing to cover through the Ojo Alamo top. TOH and LD tubing.

9. **Plug #6 (8.625" Surface casing shoe, 413' – 0'):** Perforate 3 squeeze holes at 413'. Establish circulation out the bradenhead valve with water; circulate the BH annulus clean. Mix and pump approximately 130 sxs cement down the 4 5" casing to circulate good cement out bradenhead valve. Shut well in and WOC
10. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Nancy #4

Current

Duffers Point Gallup / Dakota
2310' FNL & 1980' FWL, Section 12, T-24-N, R-8-W
San Juan County, NM / API #30-045-11954

Today's Date 10/8/08

Spud. 5/20/64

P&A 6/7/64

Spud 3/6/67

Comp. 3/24/67

Elevation 7287' GI

7298' KB

12 25" Hole

8 625" 24# Casing set @ 363'
185 sxs cement, circulated to surface

Ojo Alamo @ 1889' *est

Kirtland @ 2045' *est

Fruitland @ 2313' *est

Pictured Cliffs @ 2563' *est

Mesaverde @ 3403'

2 375" tubing set at 7002'
(223 joint, 1 7' sub, SN @ 5900')

Top of Cmt @ 2622' (Calc, 75%)

DV Tool @ 3784'
Cement with 150 sxs (353 cf)

DV Tool @ 5390'
Cement with 250 sxs

Top of Cmt @ DV tool (Calc, 75%)

Gallup Perforations
5920' – 6330', sqz'd w/250 sxs (1978)
6174' – 6230',

Dakota Perforations:
Re-perforate 6883' – 6927', 6950' –
6986',

Gallup @ 5975'

Dakota @ 6986'

CIBP set at 7080' (1967)

4 5" 10.5#, J-55 Casing @ 7257'
Cemented with 300 sxs (378 cf)

7 875" Hole

TD 7257'
PBDT 7040'

Nancy #4

Proposed P&A

Duffers Point Gallup/Dakota

2310' FNL & 1980' FWL, Section 12, T-24-N, R-8-W

San Juan County, NM / API #30-045-11954

Today's Date: 10/8/08

Spud. 5/20/64

P&A. 6/7/64

Spud. 3/6/67

Comp: 3/24/67

Elevation: 7287' GI
7298' KB

12 25" Hole

8 625" 24# Casing set @ 363'
185 sxs cement, circulated to surface

Perforate @ 413'

Plug #6: 413' - 0'
Class B cement, 130 sxs

Ojo Alamo @ 1889' *est

Kirtland @ 2045' *est

Set CR @ 2045'

Plug #5: 2095' - 1839'
Class B cement, 123 sxs
24 inside and 99 outside

Perforate @ 2095'

Fruitland @ 2313' *est

Pictured Cliffs @ 2563' *est

Set CR @ 2563'

Plug #4: 2613' - 2263'
Class B cement, 167 sxs.
31 inside and 136 outside

Perforate @ 2613'

Top of Cmt @ 2622' (Calc, 75%)

Plug #3: 3453' - 3353'
Class B cement, 12 sxs

Mesaverde @ 3403'

DV Tool @ 3784'
Cement with 150 sxs (353 cf)

DV Tool @ 5390'
Cement with 250 sxs

Plug #2: 6124' - 5925'
Class B cement, 19 sxs

Top of Cmt @ DV tool (Calc, 75%)

Set CR @ 6124'

Gallup Perforations:
5920' - 6330', sqz'd w/250 sxs (1978)
Re-perforate 6174' - 6230'

Plug #1: 6813' - 6713'
Class B cement, 12 sxs

Set CR @ 6813'

Dakota Perforations:
Re-perforate 6883' - 6927', 6950' -
6986'

Gallup @ 5975'

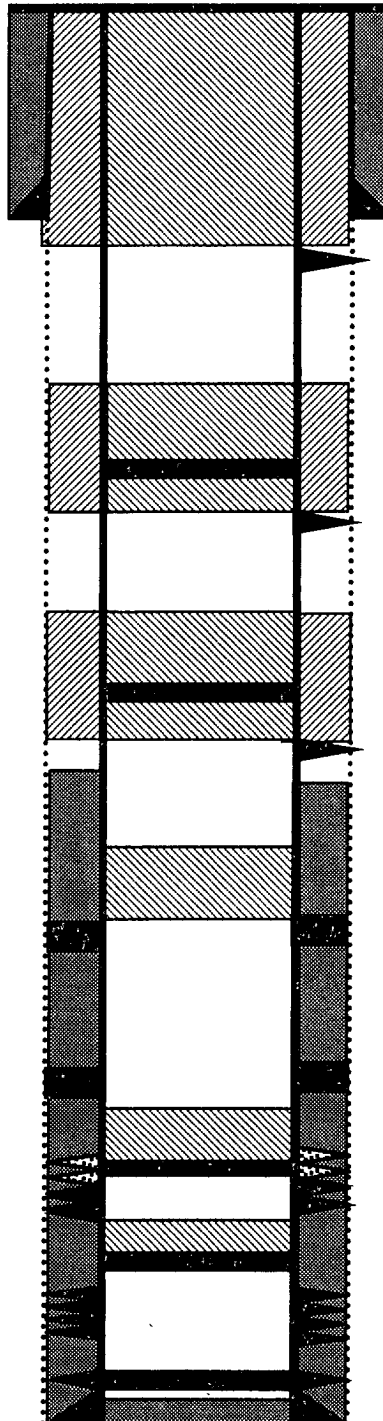
Dakota @ 6986'

CIBP set at 7080' (1967)

4 5" 10.5#, J-55 Casing @ 7257'
Cemented with 300 sxs (378 cf)

7.875" Hole

TD 7257'
PBDT 7040'



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 4 Nancy

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Place the Pictured Cliffs/Fruitland plug from 2658' - 2310' inside and outside the 4 ½" casing.
 - b) Place the Kirtland/Ojo Alamo plug from 2145' – 1834' inside and outside the 4 ½" casing.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.