

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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070 Farmington NM

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: November 30, 2000

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.

5. Lease Serial No.  
**NMSF-078146A**

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
**HORTON 4C**

9. API Well No.  
**30-045-31778**

10. Field and Pool, or Exploratory Area  
**BLANCO MESA VERDE**

11. County, Parish, State  
**SAN JUAN COUNTY, NM**

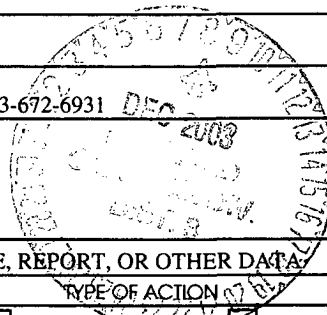
SUBMIT IN TRIPLICATE

1. TYPE OF WELL  
OIL GAS  
 WELL  WELL  OTHER

2. NAME OF OPERATOR  
**QUESTAR EXPLORATION AND PRODUCTION COMPANY**

3. ADDRESS AND TELEPHONE NO.  
**1050 SEVENTEENTH STREET, SUITE 500, DENVER, CO 80265 303-672-6931**

4. LOCATION OF WELL (FOOTAGE, SEC., T., R., M., OR SURVEY DESCRIPTION)  
**1948' FNL, 1010' FWL; SENW SEC. 27, T32N, R12W NMPM**



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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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 checked="" type="checkbox"/> Other <u>Spud &amp; Casing.</u>
	<input type="checkbox"/> Change Plans	<input 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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 recompletion in a new interval, A Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Questar Exploration and Production Company, Spud the Horton 4C on 09/15/2003.  
Pressure test casing to 3300 psig for 15 min.**

**Surface Pipe:** 6 jts - 9-5/8", 36#/ft, K-55, 8rd set @ 290' KB.  
Cemented w/ Howco. Mix 135 sx std 2% CaCL & 1/4# flocele. Circulate 8 bbls to surface.

**Intermediate:** 69 jts - 7", 23#/ft, J-55, LT&C csg, circ last jt to btm @ 2948' KB.  
Cemented w/ 65 sx San Juan Fly Ash, 4% Gel, .1% Halad 9 & 15# FE -2, mix 260 sx STD, Class B,  
3% Econolite & 10# Gilsonite, 1/2# flocele. Tailed w/ 165 sx 50/50 POZ, 2% Gel, 5# Gilsonite, 1/4# flocele, .01% CFR-3 & 1% CaCL  
Displace w/ 115 bbl, max press 740#, bumb plug 1100#, OK. Circ 30 bbl. Good cmt.

**Liner:** 128 jts, 4-1/2", 10.5#, LT&C csg, set @ 5395' KB. Float Collar @ 5353' KB.  
TD at 5400'. 4-1/2" was run from 5395' KB to surface. Cemented with 228 sx 50/50 POZ mixed w/ 2% Gel,  
5# Gilsonite, 1/4# flocele, .02% CFR-3 & .01% HR-1, .05% Halad-9.

**Tubing:** 159 jts 2-3/8" J-55, 8rd tbg @ 4855.85', 1 SN nipple @ 1.10', 1 jts 2-3/8" J-55, 8rd tbg @ 30.81', KB @ 12.00'.  
Tbg landed @ 4899.76 KB.

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

Name (Printed/Typed) **Bea Steele** Title **Sr. Engineering Analyst**

Signature *Bea Steele* Date **November 14, 2003**

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date **11-14-03 2003**

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.

Office **FARMINGTON FIELD OFFICE**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**ACCEPTED FOR RECORD**  
NMOCD  
Date **11-14-03 2003**  
FARMINGTON FIELD OFFICE  
JL