

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.
NMNM-03595

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Escrito Gallup Unit #6

9. API Well No.
30-039-05515

10. Field and Pool, or Exploratory Area
Escrito Gallup

11. County, Parish, State
Rio Arriba, 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.

1331 SEVENTEENTH STREET, SUITE 800, DENVER, CO 80202 303-672-6900

4. LOCATION OF WELL (FOOTAGE, SEC., T., R., M., OR SURVEY DESCRIPTION)

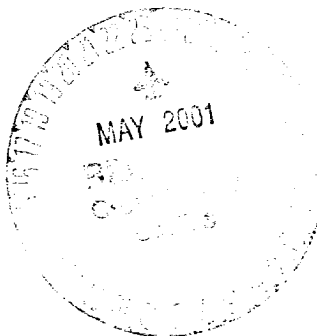
930' FNL 1650' FWL Sec 18 T24N R7W NMPM

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"/> 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 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 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 recompleat 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.)

Plug and abandon per attached procedure.



2001 APR -5 PM 2:37

14. I hereby certify that the foregoing is true and correct
(This space for Federal or State office use)

Title **Sr. Petroleum Engineer**

Signature

Date

04-Apr-01

(This space for Federal or State office use)

Approved by

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

Date

5/21/01

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.

NMOCD

Plug & Abandonment Procedure

Escrito Gallup Unit #6

API – 30-039-05515

Escrito Gallup

930' FNL 1650' FWL Sec 18 T24N R7W NMPM

Rio Arriba County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOC, BLM and Questar safety regulations. MI and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well, kill with water as necessary.
2. ND wellhead and NU BOP, test.
3. TOH and tally 2 3/8" tubing and visually inspect.
4. Run 3.625" gauge ring to determine max depth obtainable with CIBP.
5. **Plug #1 (Gallup perforations (5776-5790, 5832-5858, 5874-5884, 5972-5986, 6014-6022) and top – 5755')**: TIH with tubing and 4 1/2" CIBP. Set CIBP at $\pm 5755'$ or at max obtainable depth. Load casing with water. Pressure test casing to 500 psi. If casing does not test, spot or tag subsequent plug as appropriate. Spot cement plug inside casing above the CIBP with enough cement to bring the top of the Gallup plug to 5705'. TOH with tubing.
6. **Plug #2 (Mesaverde top, 3935')**: Perforate 3 squeeze holes at 3985'. TIH with w/ 2 3/8" work string to $\pm 3885'$. Establish rate into squeeze holes and place the Mesaverde plug from 3985' – 3885' inside and outside the 4 1/2" casing. TOH with tubing.
7. **Plug #3 (Pictured Cliffs and Fruitland tops, 2412' – 2046')**: Perforate 3 squeeze holes at 2462'. TIH with w/ 2 3/8" work string to $\pm 1996'$. Establish rate into squeeze holes and place the Pictured Cliffs/Fruitland plug from 2462' – 1996' inside and outside the 4 1/2" casing. TOH with tubing.
8. **Plug #4 (Kirtland and Ojo Alamo tops, 1710' – 1363')**: Perforate 3 squeeze holes at 1760'. TIH with w/ 2 3/8" work string to $\pm 1313'$. Establish rate into squeeze holes and place Kirtland/Ojo Alamo plug from 1760' – 1313' inside and outside the 4 1/2" casing. TOH with tubing.
9. **Plug #5 (Nacimiento top, surface; 8 5/8" casing shoe at 213')**: Perforate 3 squeeze holes at 300'. Establish circulation out bradenhead valve. Mix and pump cement down the 4 1/2" casing from 300' to surface. Circulate good cement out bradenhead valve. Shut-in well and WOC.
10. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RDMOSU, cut off anchors and restore location.

Elizabeth 2 (EGU#6)

Sec. 18-T24N-R7W

Rio Arriba County, New Mexico

BHL: 930' FNL, 1650' FWL

Drilled by BCO Inc.

Spud date: September 27 1960

Plug Back Date: December 30 1991

Schematic - not drawn to scale

SURFACE CASING:

Casing Size	Weight (lb/ft)	Depth Set (MD)	Cementing Record (sacks)
8 5/8 "	24	213	100

Cement Job

8-5/8" surface casing 231' to surface. 100 sacks

50-50 posmix 3% CaCl. Circulated cement to surface

PRODUCTION CASING:

Casing Size	Weight (lb/ft)	Depth Set (MD)	Plug Back TD (MD)	Cementing Record (sacks)
4 1/2"	11.6	6062	5930	150

Cement Job

4 1/2" production casing cemented with 150 sacks of

50-50 posmix 4% gel. TOC calculated @ 5,365

TUBING:

Tubing Size	Weight (lb/ft)	Depth Set (MD)
2 3/8"	4.7	5801

PERFORATION RECORD

Depth (MD)	Size (inches)	Number (SPF)
5972'-5986'	NA	4
6014'-6022'	NA	4
5874-5884	NA	2
5832-5858	NA	2
5776-5790	NA	2

ACID/FRACTURE JOB

5972'-6022' - 10/60 fractured with 20,000 lbs of sand

5776'-5884' - 5/73 Sand water fracked with 35,000 lbs 10-20 sand and 33,350 gals water.

COMMENTS

BP set @5930 in 1991

TOC based off of TOC calculation

Workover jobs done in 73, 91

GL = 7141
KB = 7153
TVD = 6062

