submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Sundry Notices and Reports on Wells

2004 OCT 4 PM 4 11
RECEIVED
070 FARMINGTON NM

1. **Type of Well**
Oil

2. **Name of Operator**
Questar Exploration and Production Company

3. **Address & Phone No. of Operator**
1050 17th Street, Suite 500, Denver, CO 80265 (303)672-6931

Location of Well, Footage, Sec., T, R, M
660' FSL and 660' FEL, Section 31 , T-23-N, R-7-W,

5. **Lease Number**
NMNM - 6681
6. **If Indian, All. or Tribe Name**
7. **Unit Agreement Name**
Escrito Gallup
8. **Well Name & Number**
Federal C L #1
9. **API Well No.**
30-043-05164
10. **Field and Pool**
Alamito Gallup
11. **County & State**
Sandoval, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action		
X Notice of Intent	X Abandonment	___ Change of Plans	
	___ Recompletion	___ New Construction	
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing	
	___ Casing Repair	___ Water Shut off	
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection	
	___ Other -		

13. Describe Proposed or Completed Operations

Questar plans to plug and abandon this well per the attached procedure.

OCT 2004
RECEIVED
OIL CONS. DIV.
DIST. 3

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

Signed Scott Goodwin Title Operations Engineer Date 9/30/04

(This space for Federal or State Office use)
APPROVED BY Original Signed: Stephen Mason Title _____ Date OCT 18 2004
CONDITION OF APPROVAL, if any:

NMOCD

PLUG & ABANDONMENT PROCEDURE

September 26, 2004

Federal C L #1

Alamito Gallup
660' FSL and 660' FEL, Section 31, T-23-N, R-7-W
Sandoval County, Colorado

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 ASTM Type III, mixed at 14.8 pg with a 1.32 cf/sx yield.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Questar safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; function test BOP.

2. TOH visually inspecting and tallying 2-3/8" tubing (4942'). If necessary LD tubing and PU 2-3/8" workstring. Round trip a 4-1/2" casing scraper to 4650'.
4461

3. **Plug #1 (Gallup perforations, 5030'–~~4656~~')**: TIH with tubing and set a CR at 4650'. Pressure test the tubing to 1000#. Load the 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 ~~17~~ sxs Type III cement and spot balanced plug above the CR inside the casing to isolate the Gallup perforations. TOH with tubing.

4. **Plug #2 (Mesaverde top, 2105'–2005')**: Perforate 3 HSC holes at 2105'. If the casing pressure tested, then attempt to establish rate into the squeeze holes. Set at CR at 2055'. Establish rate into the squeeze holes. Mix and pump 46 sxs Type III cement, squeeze 35 sxs outside the casing and leave 11 sxs inside to cover the Mesaverde top. TOH.
→ Chacra 1736-1636' inside & outside 4½" csg

5. **Plug #3 (Pictured Cliffs and Fruitland tops, 1347'–1000')**: Perforate 3 HSC holes at 1347'. Set at CR at 1297'. Establish rate into the squeeze holes. Mix and pump 147 sxs Type III cement, squeeze 119 sxs outside the casing and leave 27 sxs inside casing to cover the Pictured Cliffs and Fruitland tops. TOH with tubing.

877 667 877

6. **Plug #4 (Kirtland and Ojo Alamo tops, ~~952~~'–~~754~~')**: Perforate 3 HSC holes at ~~952~~'. Set a CR at ~~902~~'. Establish rate into the squeeze holes. Mix and pump ~~86~~ sxs Type III cement, squeeze ~~69~~ sxs outside the casing and leave ~~17~~ sxs inside casing to cover the PC and Fruitland tops. TOH and LD tubing.

7. **Plug #5 (9-5/8" casing shoe, 150' - Surface)**: Perforate 3 HSC holes at 150'. Mix and pump approximately 70 sxs cement down 5-1/2" casing to circulate good cement out bradenhead. Shut in well and WOC.

8. Dig out the wellhead and cut off surface and production casing below ground level. Fill casings with cement as necessary. Install P&A marker to comply with regulations. RD and MOL.

Federal C L #1

Current

Alamito Gallup

660' FSL & 660' FEL, Section 31, T-23-N, R-7-W

Sandoval County, NM / API #30-043-05164

Today's Date: **9/26/4**

Spud: 6/18/58
Re-entered 4/23/71
Completed: 5/14/71
Elevation: 6821' GL
6832' KB

Ojo Alamo @ 804'

Kirtland @ 902'

Fruitland @ 1050'

Pictured Cliffs @ 1297'

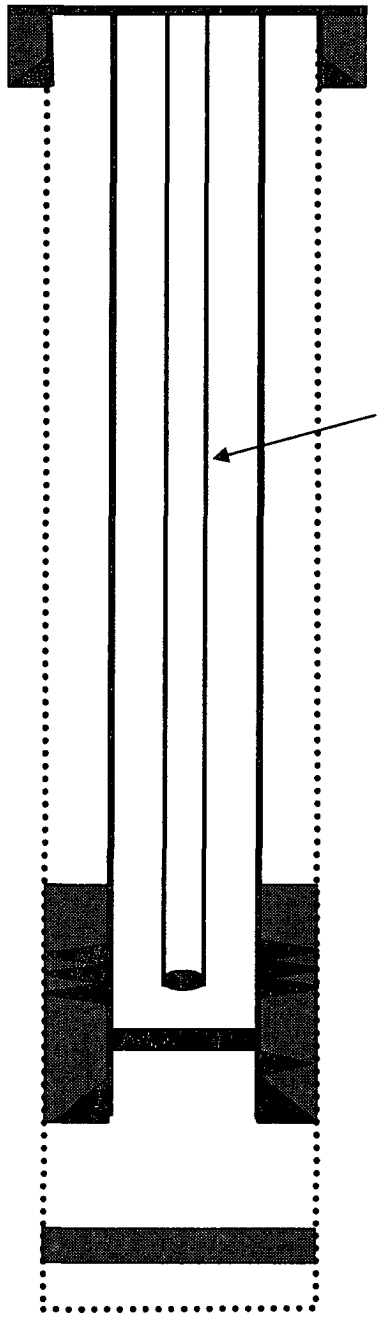
Mesaverde @ 2055'

Gallup @ 4650'

Dakota @ 5794'

12-1/4" hole

7-7/8" hole



9-5/8" Casing set @ 100'
Cement with 100 sxs (Circulated to Surface)

Well History:

Jun '58: Well drilled to TD of 6007' and P&A.

Apr '71: Well re-entered and cleaned out to 5180' then completed with 4-1/2" casing.

2-3/8" Tubing @ 4942'

TOC @ 4580' (CBL)

Gallup Perforations:
4706' – 4958'

CIBP @ 5030' (1971)

Test Perforation:
5050'

4-1/2" 10.5#, J-55 Casing set @ 5180'
Cemented with 175 sxs

Existing Dakota Plug:
5900' – 5700'

Original TD 6007'
Re-enter TD 5180'
PBTD 5030'

Federal C L #1

Proposed P&A

Alamito Gallup

660' FSL & 660' FEL, Section 31, T-23-N, R-7-W

Sandoval County, NM / API #30-043-05164

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Pictured Cliffs @ 1297'

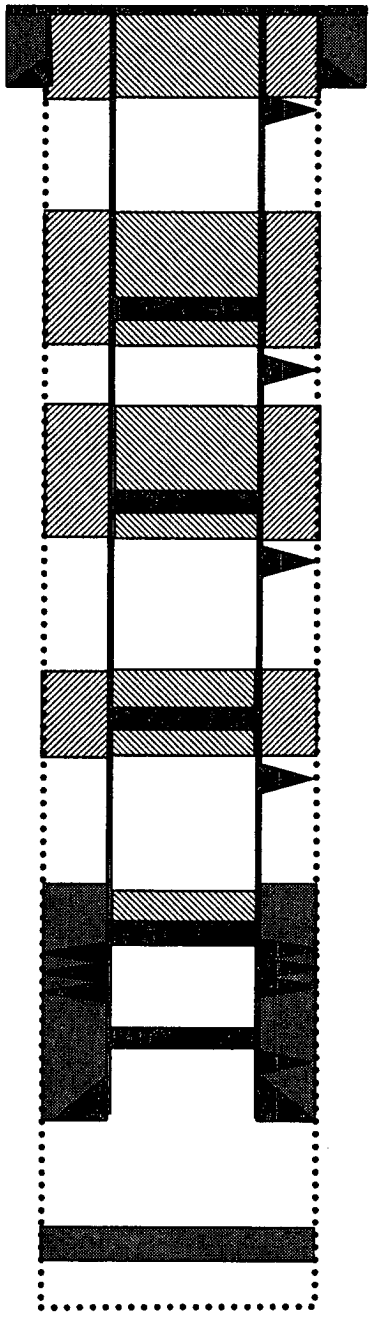
Mesaverde @ 2055'

Gallup @ 4650'

Dakota @ 5794'

12-1/4" hole

7-7/8" hole



9-5/8" Casing set @ 100'
Cement with 100 sxs (Circulated to Surface)

Perforate @ 150'

Plug #5: 150' – Surface
Type III cement, 70 sxs

Plug #4: 952' – 754'
Type III cement, 86 sxs,
69 outside and 17 inside

Cmt Retainer @ 902'

Perforate @ 952'

Cmt Retainer @ 1297'

Plug #3: 1347' – 1000'
Type III cement, 147 sxs,
120 outside and 27 inside

Perforate @ 1347'

Cmt Retainer @ 2055'

Plug #2: 2105' – 2005'
Type III cement, 46 sxs,
35 outside and 11 inside

Perforate @ 2105'

TOC @ 4580' (CBL)

Set Cmt Ret @ 4650'

Plug #1: 4650' – 4550'
Type III cement, 11 sxs

Gallup Perforations:
4706' – 4958'

CIBP @ 5030' (1971)

Test Perforation:
5050'

4-1/2" 10.5#, J-55 Casing set @ 5180'
Cemented with 175 sxs

Existing Dakota Plug:
5900' – 5700'

Original TD 6007'
Re-enter TD 5180'
PBTD 5030'