

RECEIVED

Form 3160-5
(August, 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 18 2013

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010Farmington Field Office
Bureau of Land Management
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. SF 078562
2. Name of Operator QEP ENERGY COMPANY		6. If Indian, Allottee, or Tribe Name
3a. Address 1050 17TH STREET, SUITE 500 DENVER, CO 80265		7. If Unit or CA, Agreement Name and/or No.
3b. Phone No. (include area code) (303) 672-6900		8. Well Name and No. Lybrook 4-22
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1850' 1650' NW SE 22 T 24N R 7W Long. FSL FEL		9. API Well No. 30-039-05381
Lat.		10. Field and Pool, or Exploratory Area Escrito Gallup
		11. County or Parish, State Rio Arriba NM

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 checked="" 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Workover and return
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	to production or P&A

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 be 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 reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

QEP Energy Company suspects there may be a hole in the tubing of the above referenced well. QEP intends to pull the tubing and inspect for holes. If holes are present, the damaged tubing will be replaced and the well will be brought back to production. If no holes are present, QEP intends to plug and abandon the well. Please see attached procedure for both the workover and potential P&A.

If you have any questions please contact me at 303-308-3060. Thanks.

RCVD JAN 24 '13
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Morgan Anderson

Title

Regulatory Affairs Analyst

Signature

Morgan Anderson

Date

January 17, 2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Original Signed: Stephen Mason

Title

Date

JAN 22 2013

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 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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCDA

**TUBING CHANGE OUT AND/OR
PLUG AND ABANDONMENT PROCEDURE**

January 9, 2013

Lybrook 004-22

Escrito Gallup

1850' FSL & 1650' FEL, Section 22, T-24-N, R-7-W, Rio Arriba County, NM

API 30-039-05381 / Long: _____ / Lat: _____

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 15.6 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.

NOTE: Company wants to first determine if tubing is bad. TOH and visually inspect 1-1/2" tubing. RIH with tubing and stage test with bull plug to 5557'. If tubing has holes then they want to swap out tubing and RIH to determine if they can produce this well. If tubing tests then RIH with blueberry shot to release fluid. TOH with tubing. If tubing is good then the decision will be made to P&A the well as follows:

3. Rods: Yes _____, No X, Unknown _____.
Tubing: Yes X, No _____, Unknown _____, Size 1-1/2", Length 5557'
Packer: Yes _____, No _____, Unknown _____, Type _____.

If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Round trip 2-7/8" gauge ring to 5130'.

Note: PU 1-1/4" workstring to P&A well.

1. **Plug #1 (Gallup perforations and top, 5130' – 5280'):** Note: due to the placement of the 2-7/8" tubing that was cemented in place we are unable to spot a CR 50' above perforations as normal. Approved with S. Mason, BLM to set 2-7/8" CR in tubing 250' above perfs and squeeze cement below CR to isolate the Gallup perforations. RIH with 2-7/8" wireline set cement retainer at 5130'. RIH with tubing. Sting into CR and establish rate. Pressure test casing to 800 PSI. If casing does not test, then spot or tag subsequent plug as appropriate. Mix and pump 43 sxs Class B cement, squeeze 38 sxs below CR to isolate the Gallup interval and leave 5 sxs above CR. PUH.
2. **Plug #2 (Mancos top, 4628' – 4422'):** Perforate 3 HSC squeeze holes at 4628'. Establish rate into squeeze holes. Set 2-7/8" wireline cement retainer at 4578'. Load casing with water and circulate well clean. Establish rate into squeeze holes. Mix 43 sxs Class B cement, squeeze 29 sxs into 4.5" x 7-7/8" annulus and leave 5 sxs inside the casing to cover the Mancos top. TOH with tubing.

- 2804 2804
4. **Plug #3 (Mesaverde top, 3653' - 3603')**: Perforate 3 HSC squeeze holes at 3653'. Establish rate into squeeze holes. Set 2-7/8" wireline cement retainer at 3603'. Load casing with water and circulate well clean. Establish rate into squeeze holes. Mix 42 sxs Class B cement, squeeze 39 sxs into 4.5" x 7-7/8" annulus and leave 5 sxs inside the casing to cover the Mesaverde top. TOH with tubing.
- 2080 1766
5. **Plug #4 (Pictured Cliffs and Fruitland tops, 2415' - 1800')**: Perforate 3 HSC squeeze holes at 2415'. Establish rate into squeeze holes. Set 2-7/8" wireline cement retainer at 1800'. Load casing with water and circulate well clean. Establish rate into squeeze holes. Mix 132 sxs Class B cement, squeeze 122 sxs into 4.5" x 7-7/8" annulus and leave 10 sxs inside the casing to cover Pictured Cliffs and Fruitland tops. TOH with tubing.
- 1610 1342
6. **Plug #5 (Kirtland and Ojo Alamo tops, 1550' - 1290')**: Perforate 3 HSC squeeze holes at 1550'. Establish rate into squeeze holes. Set 2-7/8" wireline cement retainer at 1290'. Load casing with water and circulate well clean. Establish rate into squeeze holes. Mix 140 sxs Class B cement, squeeze 101 sxs into 4.5" x 7-7/8" annulus and leave 9 sxs inside the casing to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing.
7. **Plug #6 (8.6" Surface casing shoe, 222' to Surface)**: Perforate 3 HSC squeeze holes at 222'. Establish rate into squeeze holes. Mix 65 sxs Class B cement down 2-7/8" casing and circulate good cement out the 4.5" x 7-7/8" annulus. SI well and WOC.
8. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Lybrook 004-22

Current

Escrito Gallup

1850' FSL & 1650' FEL, Section 22, T-24-N, R-7-W
Rio Arriba County, NM / API #30-039-05381

Today's Date: 1/9/13

Spud: 3/13/61

Comp: 3/30/61

Elevation: 6750' GL

6752' KB

12.25" Hole

Circulate 65 bbls of cement to surface

8.625" 23# Casing set @ 172'
125 sxs cement, circulated to surface

Ojo Alamo @ 1340' *est

Kirtland @ 1500' *est

Fruitland @ 1850' *est

Pictured Cliffs @ 2065'

1-1/2" tubing at 5557'

Mesaverde @ 3603'

Holes in casing 2925' and at 4000'.
Squeeze 400 sxs Class B cement with
fluid lost additive. DO and P/T to 850
PSI. (Sept '72)

Mancos @ 4578'

TOC @ 4899' (Calc, 75%)

Gallup @ 5380'

2.875" Tubing at 5130'

Shoveled 4000#s of sand in hole then set tubing with
590 cf cement, circulate to surface (Oct '85)

Gallup Perforations:
5380' - 5628'

4.5" 11.6# J-55 Casing @ 5663'
Cemented with 150 sxs (232 cf)

7.875" Hole

TD 5663'
PBD 5592'

Lybrook 004-22

Proposed P&A

Escrito Gallup

1850' FSL & 1650' FEL, Section 22, T-24-N, R-7-W
Rio Arriba County, NM / API #30-039-05381

Today's Date: 1/9/13

Spud: 3/13/61

Comp: 3/30/61

Elevation: 6750' GL

6752' KB

12.25" Hole

Ojo Alamo @ 1340' *est

Kirtland @ 1500' *est

Fruitland @ 1850' *est

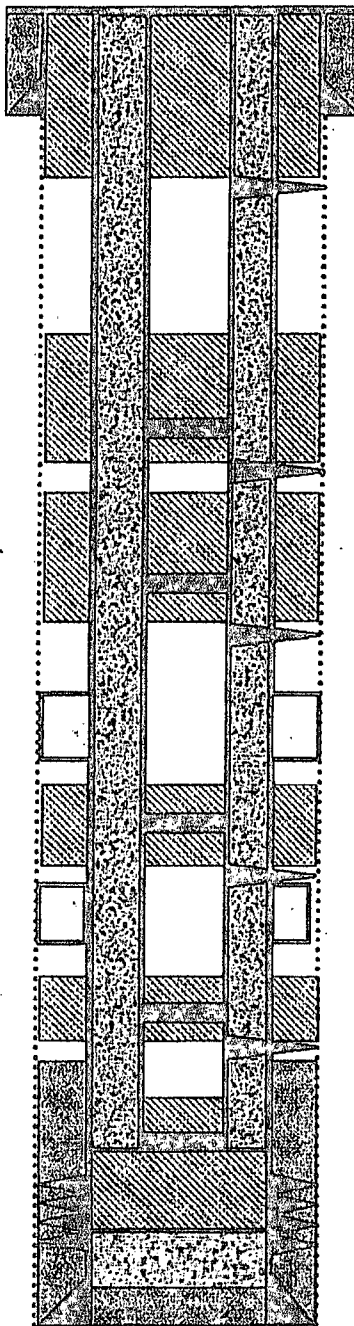
Pictured Cliffs @ 2065'

Mesaverde @ 3603'

Mancos @ 4578'

Gallup @ 5380'

7.875" Hole



TD 5663'
PBD 6592'

Circulate 65 bbls of cement to surface

8.625" 23# Casing set @ 172'
125 sxs cement, circulated to surface

Perforate @ 222'

Plug #6: 222' - 0'
Class B cement, 65 sxs

CR @ 1500'

Plug #5: 1550' - 1290'
Class B cement, 110
9 sxs in 2.875" and 101 sxs
in 4.5" x 7-7/8" annulus

Perforate @ 1550'

CR @ 2065'

Plug #4: 2115' - 1800'
Class B cement, 132
10 sxs in 2.875" and 122
sxs in 4.5" x 7-7/8" annulus

Perforate @ 2115'

Holes in casing 2925' and at 4000'.
Squeeze 400 sxs Class B cement with
fluid lost additive. DO and P/T to 850
PSI. (Sept '72)

CR @ 3603'

Plug #3: 3653' - 3553'
Class B cement, 44 sxs
5 sxs in 2.875" and 39 sxs
in 4.5" x 7-7/8" annulus

Perforate @ 3653'

CR @ 4578'

Plug #2: 4628' - 4422'
Class B cement, 44 sxs
5 sxs in 2.875" and 39 sxs
in 4.5" x 7-7/8" annulus

TOC @ 4899' (Calc. 75%)

Perforate @ 4628'

Set CR @ 5130'

Plug #1: 5130' - 5280'
Class B cement, 43 sxs
38 below and 5 above

2.875" Tubing at 5130'

Shoveled 4000#s of sand in hole then set tubing with
590 cf cement, circulate to surface (Oct '85)

Gallup Perforations:
5380' - 5628'

4.5" 11.6#, J-55 Casing @ 5663'
Cemented with 150 sxs (232 cf)

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 4 Lybrook 22

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) 564-7750.
3. The following modifications to your plugging program are to be made:
 - a) Place the Measverde plug from 2904' – 2804'.
 - b) Place the Pictured Cliffs/Fruitland plug from 2080' – 1766' inside 2 7/8" and outside the 4 1/2" casings.
 - c) Place the Kirtland/Ojo Alamo plug from 1610' - 1342' inside 2 7/8" and outside the 4 1/2" casings.

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.