

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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.

FORM APPROVED

OMB NO. 1004-0135

Expires: November 30, 2000

5. Lease Serial No.

NM-03040A

6. If Indian, Allottee or Tribe Name

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

San Juan 29-6 Unit

8. Well Name and No.

SJ 29-6 Unit #86M

9. API Well No.

30-039-26443

10. Field and Pool, or Exploratory Area

Basin Dakota and  
Blanco Mesaverde

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(ES) 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>Squeeze</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>cement behind csq</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>&amp; complete MV</u>

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 final site is ready for final inspection.)

See attached for details of the procedure we used to squeeze cement behind the 4-1/2" casing before completing the MV intervals. Will flow test the MV intervals before returning and completing the Lewis Shale and cleaning out & drilling out CIBPs between the MV & DK zones and commingling production.

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

Patsy Clugston

Title

Sr. Regulatory/Proration Clerk

Date

1/24/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

JUN 14 2001

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, NM  
BLM

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

**San Juan 29-6 Unit #86M**  
**NM-03040A; API – 30-039-26443; Unit C, 1190' FNL & 1843' FWL**  
**Section 27, T29N, R6W; Rio Arriba County, NM**

**Details of the procedure used to squeeze cement behind pipe before completing in the MV intervals.**

1/6/01

MIRU Key Energy #40. Installed BPV & ND WH & NU BOP. PT – OK. Killed well. COOH w/tubing. RIH w/RBP & set @ 5790'. Load hole & PT to 3000 psi, Good test. Perforated 2 squeeze holes @ 5444'. Casing on vacuum. Established injection rate. Pumped 100 sx (42 bbls slurry) Type 3 35:65 followed by 50 sx (12 bbl slurry) Type 3 Neat cement. Displaced w/20.5 bbls H2O. Final squeeze pressure before stinging out of retainer – 800 psi. Pulled up and reversed 1 bbls cement. COOH. RIH & drilled out cement @ 5300', D/O cement retainer & hard cement to 5466'. Circ. hole clean. PT squeeze perfs to 500 psi – good test. Circ. hole.

Blue Jet ran GSL from 5750' - 3100' & CBL /CCL from 5750' to 3500'. Top of cement Squeeze @ 5400'. Blue Jet shoot squeeze holes @ 2 spf @ 5340' & 5000'. GIH w/cement retainer & set @ 5030'. PT – OK. Establish injection rate on these perfs. Pumped 50 sx (21 bbs) Premium Lite w/additives. Stung out of retainer. Left 2 bbls above retainer. COOH w/stingers. WOC. Load hole & PT casing and squeeze holes to 500 psi-held good. RIH w/bit & tagged cement @ 4980' (CIBP @ 5030'). Drilled out cement to 5030'. PT squeeze holes to 500 spi. Held OK. Drilled out retainer @ 5030'. Drilled out cement to 5070'. Hole started taking on fluid. RIH & set FBP @ 5026'. PT OK. Released packer & reset @ 4963'. Established injection rate and then pumped 100 sx (25 bbls) Type 3 Neat cement w/1% CaCl2 – cement on vacuum, stung out w/18 bbls displaced. COOH w/stinger. WOC. RIH w/bit & tagged cement retainer @ 4963'. Drilled cement @ 4963' & retainer. Drilled from 4963' to 5118', then to 5370'. Circ. hole clean. PT casing to 500 psi – Held OK. COOH. Ran CBL from 5652 to 4550'. TOC – 4828'. Perforated Mesaverde interval w/.34" holes @ 1 spf.

5587', 5581', 5553', 5545', 5538', 5530', 5526', 5498', 5493', 5428', 5425',  
5418', 5388', 5382', 5377', 5327', 5299', 5231', 5139', 5131', 5123', 5106'    Total 22 holes.

RIH w/packer & set @ 5642'. Acidized Pt. Lookout perfs w/1000 gal 15% HCL & ballsealers in two stages. Displaced w/38 bbls H2O. Released packer & COOH w/RBP & Packer. RU to frac. Pumped 93,496 # 20/40 Sand & 1291 total bbls 70 Quality N2 linear foam. Flowed back on ¼" & ½" chokes. RD flowback equipment. RIH & cleaned out fill to 5740'. RIH w/2-1/16" tubing and set @ 5555'. ND BOP & NU WH. PT – OK. Pumped off expendable check. RD & released rig 1/29/01. Turned well over to production to deliver as MV well only.