Form 3160-5 (August 1999)

SUBMIT

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

NM 622

FORM A	PPROVED
OMB No	1004-0135
Expires Jnov	mber 30, 2000

If Indian, Allottee or Tribe Name

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0000	Samul	No	

SUNDRY NOTICES AND REPORTS ON WELLS	
the state of the s	

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

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	7. If Unit or CA/Agreement, Name and/or No.
IN TRIPLICATE - Other instructions on reverse side	OIL CONS. DIV.
IN TRIPLICATE - Other instructions on reverse side	
A STATE OF THE STA	l DIST. A

1. Type of wen	(3 ey grown)		
Oil Well 🗷 Gas Well 🔲 Other	FER 2 8 2008	8. Well Name and No.	
Name of Operator		Chaco Plant #12	
Running Horse Production Company	buleau or Land Management	9 API Well No.	
3a. Address	Fart Bh.91 Phone No. (include area code)	30-045-22067	
PO Box 369, Ignacio, CO 81137	970-563-5100	10. Field and Pool, or Exploratory Area	
4. Location of Well (Footage, Sec. T. R. M., or Surve	ey Description)	Basin Fruitland Coal	
1850' FSL & 990' FEL Sec 22, T26N R12	W	11 County or Parish, State	

San Juan County, NM

12. CHEC	. K APPROPRIATE BOX(I	ES) TO INDICATE NA	TURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION			
Notice of Intent Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	Production (Start/Resume) Reclamation Recomplete	Water Shut-Off Well Integrity Other
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Temporarily Abandon Water Disposal	

· Running Horse Production Company plans to plug and abandon the subject well within the next 90 days. Attached is a current well bore diagram, a proposed P&A proceedure, and a proposed P&A well bore diagram.

, <u> </u>						
14. I hereb	y certify that the foregoing	g is true and correct				
Name (Printed/Typed)	1 7	litle			
	Duşty	y Mars		Pe	troleum Engi	neer
Signatu	ire Jan	Alland !	Date	Fe	bruary 27th,	2008
	7	THIS SPA	CE FOR FEDERA	L OR STATE USE		
Approved by	y Original	Signed: Stephen Mason	Title	^	Date	FEB 2 9 2009
certify that th		Approval of this notice does not warran uitable title to those rights in the subject le ct operations thereon				

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

^{13.} Describe Proposed or Completed Operations (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.)

Chaco Plant #12

Current

WAW Fruitland Pictured Cliffs / API #30-045-22067

1850' FSL & 990' FEL, Section 22, T-26-N, R-12-W, San Juan County, NM

Today's Date: 2/22/08

Spud: 6/10/76 Completed: 8/6/76 Elevation: 6151' GI

7.875" hole

Circulate cmt to surface per Sundry

5.5", 14# ST&C Casing set @ 39' Cement with 5 sxs (Circulated to Surface)

Ojo Alamo @ 135'

Kirtland @ 260'

Fruitland @ 903'

Pictured Cliffs @ 1233'

4.75" Hole

1.25" tubing at 1241'

Fruitland Perforations: 954' - 962'

Pictured Cliffs Perforations: 1235' - 1242'

2.875" 6.5# J-55 Casing set @ 1307' Cement with 90 sxs

PLUG AND ABANDONMENT PROCEDURE

February 22, 2008

Chaco Plant #12

	WAW Fruitland Pictured Cliffs	
1850' FSL	_ and 990' FEL, Section 22, T26N, F	₹12W
San Juan	County, New Mexico / API 30-045-2	22067
Lat: N_	/ Lat: W	

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 G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

- 1. Project will use a steel tank for a pit.
- Install and test rig anchors. Comply with all NMOCD, BLM and Red Willow safety rules and regulations. Spot a steel waste fluid pit. 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.
- 3. ND wellhead and NU BOP; test the BOP. TOH and tally 1.25" tubing workstring, total 1241'. Round trip 2.875" gauge ring to 1185', or as deep as possible.
- 4. Plug #1 (Pictured Cliffs perforations and top, 1185' 1085'): TIH and set CIBP at 1185'. TIH with tubing and tag CIBP. Mix and pump total 5 sxs Type G cement inside casing above CIBP to isolate the Pictured Cliffs perforations and top. TOH and LD tubing.
- 5. Plug #2 (Fruitland perforations, Kirtland and Ojo Alamo tops, 5.5" casing shoe, 962' Surface): Attempt to pressure test the bradenhead annulus to 300#. If the BH annulus holds pressure, then establish circulation out casing valve with water. Establish rate into PC perforations with water. Mix and pump total of 40 sxs and bullhead down the 2.875" casing: first pump 10 sxs cement, then drop 10 RCN balls, then pump 30 sxs cement and circulate good cement out casing valve. SI well. WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing and annulus.
- ND BOP and cut off wellhead below surface casing flange. Top off cement as necessary. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Chaco Plant #12

Proposed P&A

WAW Fruitland Pictured Cliffs / API #30-045-22067

1850' FSL & 990' FEL, Section 22, T-26-N, R-12-W, San Juan County, NM

Today's Date: 2/22/08

Spud: 6/10/76 Completed: 8/6/76 Elevation: 6151' Gl

7.875" hole

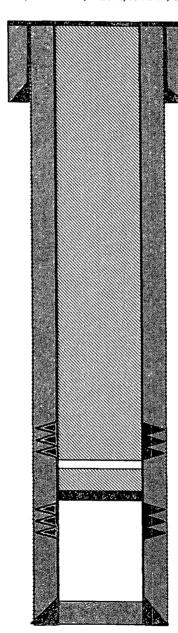
Ojo Alamo @ 135'

Kirtland @ 260'

Fruitland @ 903'

Pictured Cliffs @ 1233'

4.75" Hole



TD 1339' **PBTD 1281'**

Circulate cmt to surface per Sundry

5 5", 14# ST&C Casing set @ 39' Cement with 5 sxs (Circulated to Surface)

Plug #2: 962' - 0' Type G cement, 40 sxs

Fruitland Perforations: 954' - 962'

Set CIBP @ 1185'

Plug #1: 1185' - 1085' Type G cement, 5 sxs

Pictured Cliffs Perforations: 1235' - 1242'

2.875" 6.5# J-55 Casing set @ 1307' Cement with 90 sxs