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	FEB 26 2013					
Form 3160- 5	UNITED S	STATES			FORM·APPROVED	
(August 2007)	DEPARTMENT OF	THE INTERIOR	Farmington Fie	d Office	OMB No. 1004-0137	
			Familyion Fle	u Onice	Expires: July 31,2010	
	BUREAU OF LAND MANAGEMENGureau of Land M					
SUNDRY NOTICES AND REPORTS ON WELLS					•	
Do not use this form for proposals to drill or to re-enter an					ee, or Tribe Name	
abandoned well. Use Form 3160-3 (APD) for such proposals.				Jicarilla A	pache Tribe	
SUBMIT IN TRIPLICATE - Other Instructions on page 2.				greement Name and/or No.		
1. Type of Well Oil Well Gas Well	Other			8. Well Name and	No.	
2. Name of Operator				Jicarilla 458-08 #6		
Black Hills Gas Resources, Inc.				9. API Well No.		
3a. Address		3b. Phone No. (include ar	ea code)	30-039-25	757	
3200 N 1st St, Bloomfield, NM 87413 (505) 634-5104		4	10. Field and Pool	, or Exploratory Area		
4. Location of Well (Footage, Sec., T.		<u>`</u>		East Blanco Pictured Cliffs		
1050' FNL & 1700' FW	'L Sec. 8 T30N R3W (UL	: C)		11. County or Pari	sh, State	
				Rio Arrib	a County	
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA						
TYPE OF SUBMISSION	TYPE OF ACTION					
Notice of Intent	Acidize	Deepen	Production ( S	itart/ Resume)	Water Shut-off	
	Altering Casing	Fracture Treat	Reclamation		Well Integrity	
Subsequent Report	Casing Repair	New Construction	Recomplete		Other	
BI	Change Plans	Plug and abandon	Temporarily A	Abandon	••••••••••••••••••••••••••••••••••••••	
Final Abandonment Notice	Convert to Injection	Plug back	Water Dispos	Water Disposal		
Attach the Bond under which the we following completion of the involve	peration Clearly state all pertinent detain nally or recomplete horizontally, give su ork will performed or provide the Bond ed operations. If the operation results in bandonment Notice shall be filed only a	ubsurface locations and meas No. on file with the BLM/ B a multiple completion or reco	ured and true vertical dept IA. Required subsequent i ompletion in a new interva	hs of all pertinent ma reports shall be filed v il, a Form 3160-4 sha	urkers and zones. within 30 days Il be filed once	

determined that the site is ready for final inspection.)

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Per the Notice of Intent dated February 6, 2013, to plug and abandon Jicarilla 458-08 #6, Black Hills Gas Resources is submitting the attached plug and abandon procedure.

OIL CONS. DIV DIST. 3

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MAR 0 5 2013

14. I hereby certify that the foregoing is true and cor	rect. Name (Printed/ Typed)				
Daniel Manus	Title R	egulatory Technician			
Signature I Amiel 1	James Date	February 20	6,2013		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE					
Approved by Original Signed:	Stephen Mason				
		Title	Date MAD 0 / 2049		
Conditions of approval, if any are attached. Approval that the applicant holds legal or equitable title to those entitle the applicant to conduct operations thereon.	of this notice does not warrant or certify	Title Office	Date MAR 0 4 2013		

(Instructions on page 2)

### PLUG AND ABANDONMENT PROCEDURE

February 19, 2013

### Jicarilla 458-8 #6

Cabresto Canyon; Ojo Alamo Ext. 1050' FNL, 1700' FWL, Section 8, T30N, R3W, Rio Arriba County, NM API 30-039-25757 / 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.
  - 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.
  - Rods: Yes \_\_\_\_\_, No \_\_\_\_, Unknown \_\_\_\_\_. Tubing: Yes \_X \_\_\_, No \_\_\_\_, Unknown \_\_\_\_\_, Size \_\_2-3/8" \_\_\_\_\_, Length \_\_3264' \_\_\_\_\_. Packer: Yes \_\_\_\_\_, No X \_\_\_\_, Unknown \_\_\_\_\_, Type \_\_\_\_\_. If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

Note: TIH and tag existing plug at 3582'. If plug does not tag at or above 3582', then notify company engineer for further instructions.

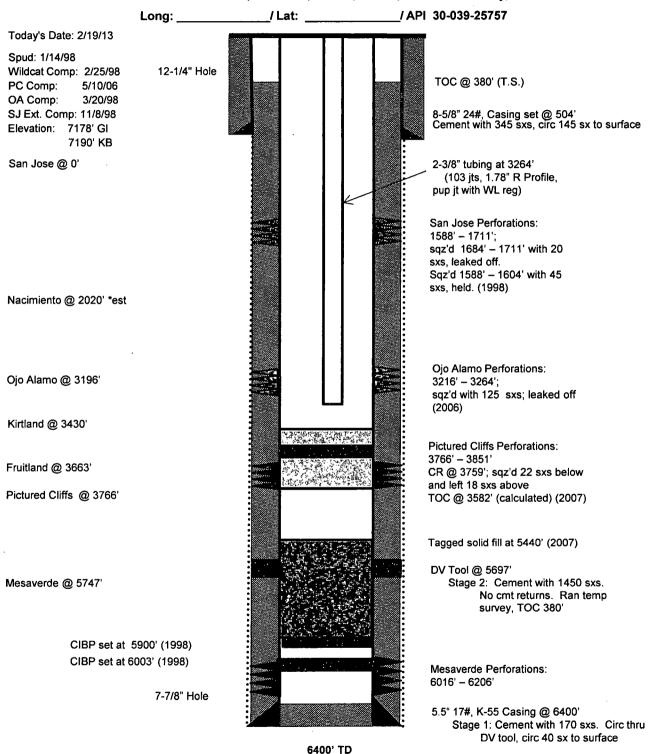
- 4. Plug #1 (Kirtland top, Ojo Alamo interval, 3480' 3146'): RIH with open ended tubing. Circulate well clean. <u>Pressure test casing to 800#. If casing does not test then spot or tag</u> <u>subsequent plugs as appropriate.</u> Mix 50 sxs Class B cement (100' excess due to slight leak off) and spot a balanced plug inside casing to cover the Kirtland top and Ojo Alamo interval. PUH.
- 5. Plug #2 (Nacimiento top and San Jose perforations, 2070' 1538'): Mix and pump 72 sxs Class B cement (100' excess due to slight leak off) and spot a balanced plug inside the casing to isolate the Nacimiento top and San Jose perforations. PUH.
- 6. Plug #3 (8-5/8" casing shoe, 554' 454'): Mix and pump 17 sxs Class B and spot a balanced plug inside the casing to isolate the 8-5/8" casing shoe. TOH and LD tubing.
- Plug #4 (San Jose top and 8-5/8" Surface casing shoe, 100' Surface): Perforate 3 squeeze holes at 100'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 50 sxs Class B cement and pump down the 5.5" casing to circulate good cement to surface. Shut in 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.

### *Jicarilla* 458-8 #6

### Current

Cabresto Canyon; Ojo Alamo ext.

1050' FNL & 1700' FWL, Section 8, T-30-N, R-3-W , Rio Arriba County, NM



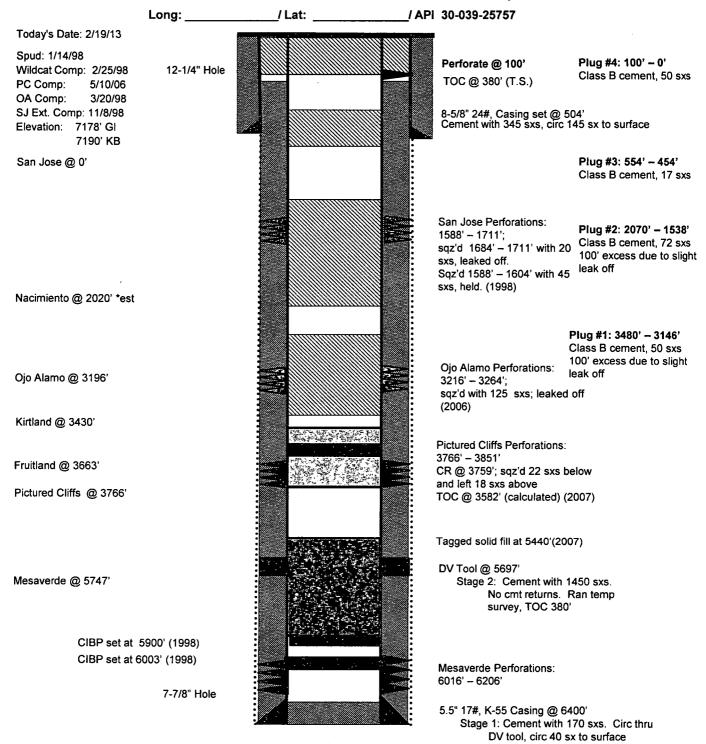
6320' PBTD

# *Jicarilla* 458-8 #6

## **Proposed P&A**

Cabresto Canyon; Ojo Alamo ext.

1050' FNL & 1700' FWL, Section 8, T-30-N, R-3-W , Rio Arriba County, NM



6400' TD 6320' PBTD

### 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: 6 Jicarilla 458-08

#### 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) You are required to have H2S monitoring equipment and personnel on location during plugging operations.

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.