

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 11 2014

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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 type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. MDA 701-98-0013, Tract 2
2. Name of Operator Black Hills Gas Resources, Inc.		6. If Indian, Allottee, or Tribe Name Jicarilla Apache Tribe
3a. Address 3200 N 1st St, Bloomfield, NM 87413	3b. Phone No. (include area code) (505) 634-5104	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1135' FNL & 1400' FEL SW/NE Section 4 T28N R2W (UL: G)		8. Well Name and No. Jicarilla 28-02-04 #1
		9. API Well No. 30-039-26037
		10. Field and Pool, or Exploratory Area Burro Tertiary
		11. County or Parish, State Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) 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"/> 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

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

Black Hills Gas Resources has plugged & abandoned Jicarilla 28-02-04 #1 per attachment.

OIL CONS. DIV DIST. 3
AUG 15 2014

Approved as to plugging
of the well bore. Liability
under bond is retained until
surface restoration is completed.

ACCEPTED FOR RECORD

AUG 13 2014

FARMINGTON FIELD OFFICE
BY: T. Salvers

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

Daniel Manus

Regulatory Technician

Title

Signature

Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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)

NMOCD PV

1135' FNL and 1400' FEL, Section 4, T-28-N, R-2-W
Rio Arriba County, NM
Lease Number: MDA 701-98-0013
API #30-039-26037

Plug and Abandonment Report
Notified NMOCD and BLM on 7/24/14

Plug and Abandonment Summary:

- Plug #1** with 93 sxs (109.74 cf) Class B cement inside casing from 3634' to 2813' to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. Tag TOC at 2945'.
- Plug #2** with CR at 2698' spot 81 sxs (95.58 cf) Class B cement with 2% CaCL inside casing from 2698' to 1983' to cover the Nacimiento top. Tag TOC at 2038'.
- Plug #3** with 161 sxs (189.98 cf) Class B cement inside casing from 603' to surface to cover the 8-5/8" shoe and surface, 1) pump 151 sxs cement to circulate good cement out 5-1/2" casing valve and thru perfs at 400' out bradenhead valve, 2) TOH and LD all tubing and plugging sub, RU pump to 5-1/2" casing valve, 3) pump 10 sxs to refill 5-1/2" casing and circulate good cement out bradenhead valve again.✓
- Plug #4** with 20 sxs Class B cement top off and install P&A marker.✓

Plugging Work Details:

- 7/24/14 Rode rig and equipment to location. LO/TO. Spot in equipment, basebeam and RU. Check well pressures: SITP and SIBHP 0 PSI, SICP 80 PSI. RU relief lines. Blow well down. Pressure test tubing to 600 PSI, OK. Fill bradenhead with 10 bbls and pressure test to 300 PSI, OK. PU on rod string, LD polish rod, stuffing box, 6', 8' x 3/4" rod subs and 86 - 3/4" rods. Re-install PR and stuffing box. SI well. SDFD.
- 7/25/14 Open up well; no pressures. PU on rod string. LD PR and stuffing box, 31 - 3/4" rods (117 - 3/4" rods total) and 2" top-set pump, x-over for 2-3/8" tubing. ND wellhead. MU 8-5/8" companion flange, NU and function test BOP. TOH and tally 93 jnts 2-3/8" 4.7# J-55 tubing (2964.10') SN and 16' MA. Swap out tubing floats and x-over for 2-7/8" tubing. PU and tally 4-3/4" junk mill, bit sub, 6 - 3-1/2" drill collars, x-over and 60 jnts 2-7/8" tubing, mill at 2079'. Establish circulation. PU and tally 21 jnts 2-7/8" tubing, mill at 2727'. PU and RU power swivel. SI well. SDFD.
- 7/28/14 Open up well; no pressures mill at 2727'. Function test BOP. PU and TIH 2-7/8" tubing to set down 10,000# at 3006'. PU swivel. RU mud pit and circulate system, break circulation. Ream 3006' to 3007'. Made 4" then gas in returns. Pit losing 2 bbl every 10 minutes. Made 6" then fell through. TIH PU and tally 2-7/8" tubing, mill at 3641', no tag. TOH and SB tubing with drill collars and LD mill. TIH with tubing to EOT at 3634', RU pump to tubing and load hole with 13 bbl, pump 20 bbls ahead total. Spot plug #1 with calculated TOC at 2813'. SI well. SDFD.
- 7/29/14 Open up well; no pressures. Function test BOP. PU A-Plus 5-1/2" casing scraper. TIH and tag plug #1 TOC at 2945'. PU 5-1/2" DHS CR, TIH set at 2698', release. Circulate well clean. Attempt to pressure test casing bled to 800# to 700# in 5 minutes. Spot plug #2 with calculated TOC at 1983'. TOH. RU A-Plus wireline. Ran CBL from 1700' to surface, good cement in annulus up to 8-5/8" shoe at 534' with bridges up to 450'. SI well. WOC. TIH and tag plug #2 TOC at 2038'. TOH. Pressure test casing to 800 PSI, OK. TIH then TOH and LD drill collars from derrick. Receive OK from R. Perea, B. Hammond Jicarilla BLM, T. Salyers BLM, B. Powell NMOCD to perf for plug #3 at 400'. Perforate 3 HSC squeeze holes at 400', establish rate of 2 bpm at 500 PSI. Establish circulation out bradenhead valve. Circulate well clean. SI well. SDFD.
- 7/30/14 Open up well; no pressures. TIH to 603'. Pump 3 bbls, circulate out csg & BH valves. Spot plug #3 with TOC at surface. TOH. ND BOP. Dig out wellhead. Write Hot Work Permit. Cut off wellhead. Found cement at surface in 5-1/2" casing and 8-5/8" casing. Spot plug #4 top off casings and install P&A marker. RD and MOL.
- Reuben Perea, Jicarilla BLM representative, was on location.✓