

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 1
2. Name of Operator Black Hills Exploration & Production		6. If Indian, Allottee, or Tribe Name Jicarilla Apache Tribe
3a. Address 3200 N 1st Street Bloomfield, NM 87413	3b. Phone No. (include area code) (505) 634-1111	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2,000' FNL & 1,700' FWL SE/NW (Unit F) Section2 T29N R3W		8. Well Name and No. Jicarilla 29-03-02 #1
		9. API Well No. 30-039-26031
		10. Field and Pool, or Exploratory Area Cabresto Canyon Tertiary E. Blanco P
		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 checked="" 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 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 Add pay
	<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 intends to plug and abandon the existing formations from TD up through Ojo Alamo and add pay to San Jose per attached procedure.



RECEIVED

APR 19 2011

Farmington Field Office
Bureau of Land Management

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

Daniel Manus

Title

Regulatory Technician

Signature

Date

April 19, 2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

APR 19 2011

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)

NMOCD *A*

Black Hills Gas Resources

Jicarilla 29-03-02 #1

API # 30-039-26031

SENE Sec 2, T29N, R03W

Rio Arriba County, NM

Surface casing: GL=7207', KB=7219', PBTD=3900'
8 5/8" 24# @ 253', TOC = surf
Production casing: 5 1/2" 15.5 #, K-55 @ 3951' TOC = surf
capacity = .1336 cf/ft
Production tubing: 2 3/8" 4.7#, J-55 @ 3810'
Rods/Pump: 3 1/4" rods, 1 3/4" x 16' THEC tbg pump
Perforated Intervals: **San Jose:** 1610-1649'
Ojo Alamo: 3236-3269'
Pictured Cliffs: 3674-3764'

Proposed Work: Plug PC & OA perfs, Add Perfs to SJ, Re-run Downhole Pump

1. MIRU rig. TOH, LD rods & pump plunger. ND WH, NU BOP. TOH with 2 3/8" prod tbg.
2. **Plug #1 (Pictured Cliffs perfs & top, Fruitland & Kirtland tops, Ojo Alamo perfs & top, 3624' - 3152'):**
PU & TIH with Cmt Retainer on tbg & set @ 3624'. Pressure test tbg to 1000 psi. Sting out, load csg with wtr & circ clean. Mix 60 sx Type III cmt (14.8 ppg, 1.33 yield) and spot balanced cmt plug inside 5 1/2" csg from 3624' to 3152'. (Cmt volume allows for 125' excess.)
3. TOH, LD setting tool. WOC. TIH with tbg & tag top of cmt. TOH, LD 2 3/8" tbg.
4. Perf San Jose with 3 1/8" select fire gun, 4 spf, .4" diam, 120 deg phase as follows:

<u>Interval</u>	<u>Feet</u>	<u>Holes</u>
1682-1698	16	64
1705-1732	27	108
1752-1794	42	168
1807-1819	12	48
1843-1853	10	40
1870-1878	8	32
1898-1910	12	48
1938-1960	22	88
1974-1986	12	48
Total	161	644

5. PU & TIH as follows: 1 jt 2 7/8" tubing, SN, 2 7/8" tubing to surface. Set end of tbg at +/- 2200'. SN at +/- 2170'.
6. Swab test perfs. TOH with tbg.
7. PU & TIH as follows: 2 1/4" tbg pump, tbg sub, 2 7/8" tbg to surface. Set EOT @ +/- 2100'.
8. ND BOP. NU WH. PU & TIH with plunger on 3/4" rods. Land in pump. Begin pumping.

Jicarilla 29-03-02 #1
CURRENT Wellbore Diagram
 API # 30-039-26031
 SE/NW, Sec 2, T29N, R3W Rio Arriba, NM

Elev. GL 7207'

Elev. KB 7219'

SURF CSG

8 5/8" 24# @ 253', cmt 140 sx
 TOC surf.

119 jts 2 3/8" tbg
 2 3/8 x 1 3/4 x 16 THEC
 4' 2 3/8" perf jt w/ bullplug

EOT 3810

26' 1 1/4" polish rod
 5 subs, 18' total
 134 3/4" rods
 16 - 3/4" guided rods
 1 3/4" plunger

SJ perfs: 1610-1629, 1641-1649

Nacimiento at 2168'

Ojo Alamo at 3202'

OA perfs: 3236-3269

Kirtland at 3443'

Fruitland at 3560'

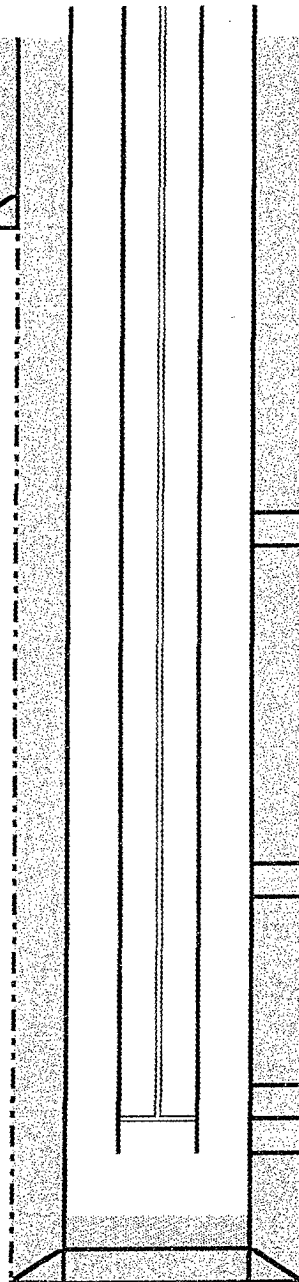
Pictured Cliffs at 3673'

PC perfs: 3674-3687, 3690-3699, 3702-3704,
 3715-3718, 3737-3741, 3758-3764

PROD CSG

5 1/2" 15.5#, K-55 @3951' MD
 cmt; 1000 sx Type III 50/50
 POZ, TOC surf.

PBTD=3900'
 TD=3975'



Jicarilla 29-03-02 #1
PROPOSED Wellbore Diagram
 API # 30-039-26031
 SE/NW, Sec 2, T29N, R3W Rio Arriba, NM

Elev. GL 7207'

Elev. KB 7219'

SURF CSG

8 5/8" 24# @ 253', cmt 140 sx
 TOC surf.

2 7/8" tbg
 2 1/4" THEC pump

EOT 2100+/-

26' 1 1/4 polish rod
 3/4" rods
 2 1/4" plunger

SJ perfs: 1610-1629, 1641-1649, 1682-1698,
 1705-1732, 1752-1794, 1807-1819, 1843-1853,
 1870-1878, 1898-1910, 1938-1960, 1974-1986'

Nacimiento at 2168'

OA perfs: 3236-3269

Ojo Alamo at 3202'

Plug #1: 3624 - 3152', Type III cmt, 60 sx

Kirtland at 3443'

Cmt Retainer at 3624'

Fruitland at 3560'

Pictured Cliffs at 3673'

PC perfs: 3674-3687, 3690-3699, 3702-3704,
 3715-3718, 3737-3741, 3758-3764

PROD CSG

5 1/2" 15.5#, K-55 @ 3951' MD
 cmt; 1000 sx Type III 50/50
 POZ, TOC surf..

PBTD=3900'

TD=3975'

