

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

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.

5. Lease Serial No.

Contract 464

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

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

8. Well Name and No.

Jicarilla 464-31 #11

9. API Well No.

30-039-27731

10. Field and Pool, or Exploratory Area

E. Blanco/Pictured Cliffs

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 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"/> 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 type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input 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	

3. 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 site is ready for final inspection.)

BHGR after review of the Plug Back Procedure and from discussions with BLM is submitting the attached amended Plug Back Procedure for the Jicarilla 464-31 #11.

RCVD AUG 23 '07

OIL CONS. DIV.

DIST. 3

Note: This is an out of sequence, after the fact approval of Black Hills' washover procedure.

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

Lynn H. Benally

Title Regulatory Specialist

Signature

Date

Aug 31, 2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)

Name

(Printed/Typed)

Title

Petr. Eng

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

Date

8/22/07

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on next page)

NMOCD

Black Hills Gas Resources

July 13, 2007
REV 7-31-2007

Jicarilla 464 – 31 #11

API # 30-039-27731

660' FNL & 1050' FWL, Section 31, T30N, R03W

Rio Arriba County, New Mexico

GL: 7138', KB: 7151', PBD: 3838'

Surface casing: 8.625", 24.0 lb/ft, Casing at 278'; TOC at surface
Production casing: 5.5", 15.5 lb/ft, K-55, Casing at 3883'; Completion Report/
CBL shows good bond at 530' and fair bond at 250'
Current prod tubing: 2.375" 116 jts, 4.7#, J-55 tubing at 3684' with Arrow set
packer at 3734'.
Current pump/ rods: N/A

Current Perforated Zones:

Pictured Cliffs:	3820' – 3840'
Fruitland Coal:	3756' – 3766'
Ojo Alamo:	3292' - 3340'
Nacimiento:	2278' - 3055' SQUEEZED

Formation Tops:	Nacimiento:	2076'
	Ojo Alamo:	3289'
	Kirtland:	3519'
	Fruitland:	3727'
	Pictured Cliffs:	3819'

PLUG BACK PROCEDURE: Plan to plug back the well for use as re-entry.

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. This project will use a lined reserve pit for holding waste fluids.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Black Hills safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. PU on tubing and release packer. TOH and tally 116 joints 4.7#, J-55 2.375" tubing, 3684' and LD packer. Visually inspect tubing and if necessary LD and PU workstring. Round trip 5.5" gauge ring or casing scraper to 3706'. (Note: run gauge ring/scraper due to CR going through Ojo Alamo perforations).

4. **Plug #1 (Pictured Cliffs perforations and Fruitland Coal perforations and Kirtland tops, 3840' – 3420'):** Note: S. Mason, BLM, approved setting CR at 3706', 7/18/07). TIH and set a 5.5" CR at 3706'. Pressure test tubing to 1000#. Mix 57 sxs Type III cement, squeeze 28 sxs (37 cu ft) below CR (100% excess) to fill Pictured Cliffs and Fruitland Coal perforations and leave 29 sxs (38.3 cu ft) above CR to cover the Fruitland and Kirtland tops. TOH with tubing.
5. **Plug #2 (Ojo Alamo perforations and top, 3340' – 3142'):** Round trip 5.5" gauge ring or casing scraper to 3242' or as deep as possible. RIH and set a 5.5" CR at 3242'. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 20 sxs (26.4 cu ft) cement under the retainer and spot a 10 sxs (13.2 cu ft) plug above the CR to isolate the Ojo Alamo formation top. TOH with tubing.
6. **Plug #3 (2126'- 1976'):** Mix 16 sxs (21.2 cu ft) cement and spot a balanced plug inside the casing to isolate the Nacimiento formation top. TOH. LD tubing.
7. Connect the pump line to the bradenhead valve. Load the bradenhead annulus with water, note volume to fill, and then attempt to pressure test the BH annulus to 500 PSI. If the BH annulus took a volume to fill, then calculate the BH annulus top of cement.
8. ND the BOP and tubing head. Weld a slip on collar on the 5.5" casing stub and pick up on the 5.5" casing to attempt to remove the wellhead slips. Note: use a 5.5" 11.6#, N-80 LTC slip on collar and an N-80 (or L-80) pick up joint. If the slips are free then determine the free point by stretch calculation.

Notify engineering with the results of step # 9. If casing can be pulled the procedure will be provided at that time.

If the casing cannot be pulled, the drilling rig will move in and will wash-over the 5 ½" casing to KOP.

9. If the slips can be pulled up enough, then remove them from the 5.5" casing. If the free point calculates to be of sufficient depth (by stretch or BH annulus filling volume), then RU Wireline Specialties and run a free point in the 6.5" casing. Then chemical cut the 5.5" casing as deep as possible. Pull and LD any casing cut. Install a steel plate cover on the casing head. RD and move off location.

Jicarilla 464-31 #11

Wellbore Diagram

API # 30-039-27731

UNIT A NE NE, Sec31, T30N, R03W Río Arriba, NM

4/20/2007

Elev. GL= 7138'

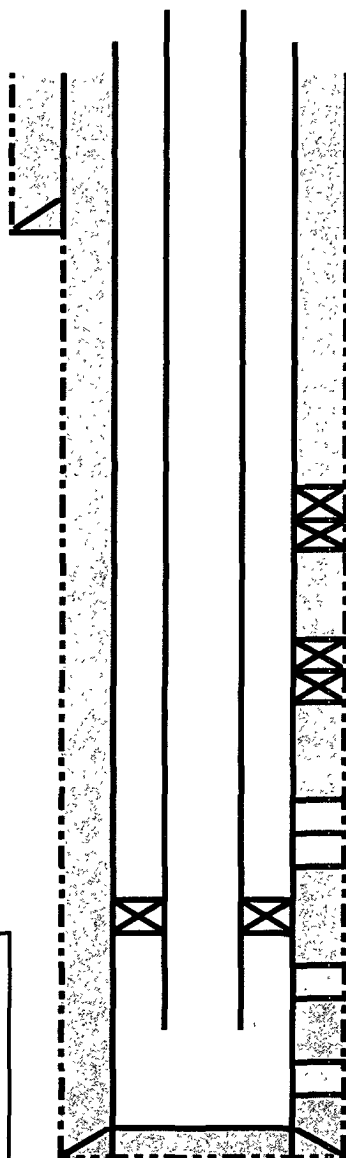
Elev. KB= 7150'

SURF CSG

8 5/8" 24# J-55
@266' KB, TOC surf

PROD CASING

5 1/2" 15.5# K-55 @
3872' pump 920 sx
lightweight, circ 37
bbl to pit.



Tbg Detail

114 jts 2 3/8" tbg

1.78 profile

ON/OFF tool

Arrow set packer

2 jts 2 3/8" tbg

WLREG

3727

3734

EOT

3800

Nacimiento perms: 11-20-2004; 2278-2280, 2286-2288, 2389-2391, 2396-2398, 2577-2579, 2784-2788. BD HCl, Frac 50% N2 XL foam w/ 46260# 20/40 + 14960# 20/40 SLC. SQ 12-08-04 & 12-15-04

Nacimiento perms: 11-14-2004; 2934-2936, 2951-2953, 2956-2958, 2962-2964, 2980-2982, 2986-2988, 2992-2994, 2998-3000, 3022-3024, 3026-3028, 3053-3055. BD HCl, Frac 50% N2 XL foam w/ 56000# 20/40 + 1000 # SLC SQ 1-06-04

Ojo Alamo perms: 11-9-2004; 3292-3300, 3304-3312, 3328-3330, 3338-3340, BD HCl, Frac 50% N2 XL foam w/ 75000# 20/40.

Fruitland Coal perms: 8-13-04; 3756-3766 BD HCl, N2 only stim

Pictured Cliffs perms: 8-13-04; 3820-3840' BD HCl, Frac N2 XL foam w/ 95900 # 20/40.

PBTD=3862'

TD = 3885'

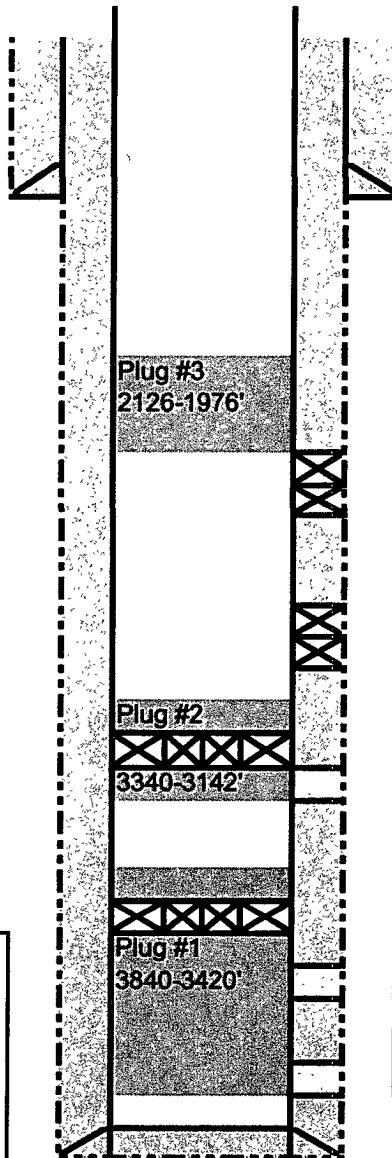
Jicarilla 464-31 #11
Proposed Wellbore Diagram
API # 30-039-27731
UNIT A NE NE, Sec31, T30N, R03W Rio Arriba, NM

7/31/2007

Elev. GL= 7138'
Elev. KB= 7150'

SURF CSG

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PROD CASING

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Cement Retainer @ 3242'

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