

RECEIVED

AUG 23 2011

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Farmington Field
Bureau of Land Management

Office
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. Contract 464
2. Name of Operator Black Hills Gas Resources		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) 1498' FNL & 909' FEL SE/NE Sec. 30 T30N R3W Unit H 1544' FNL & 823' FEL SE/NE Sec. 29 T30N R3W Unit H		8. Well Name and No. Jicarilla 464-30 #724
		9. API Well No. 30-039-30278
		10. Field and Pool, or Exploratory Area Basin Mancos
		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
BP <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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Completion Report
	<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.)

Please see attached.



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

Agatha Snell	Operations Technician
Signature <i>Agatha Snell</i>	Title
	Date 8/23/11

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	

ACCEPTED FOR RECORD

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)

WMOCD

AUG 23 2011

CONFIDENTIAL

FARMINGTON FIELD OFFICE
BY *SLV*

Completion sundry subsequent report

Check "other" – completion and check "fracture treat"

6/27/11 – RU Warrior Energy Services. Run pulse neutron log.

6/29/11 – Run sector CBL from 12840' to 2100'. Top of cmt behind 4 ½" csg at 2480'. BJ Services pressure test 4 ½" casing and wellhead to 8550 psi for 30 min, no leakoff, good test. Use tractor and perf Mancos 1st stage 12739-12831' MD, 40 holes, 0.42" diam.

6/30/11 thru 7/23/11 – Run pressure tests and rig up frac equipt.

7/24/11 – Add perfs to Mancos 1st stage 12666-12671' MD, 20 holes, 0.42" diam.

7/25/11 – Frac Mancos 1st stage with 6150# 100 mesh white sand, 268,340# 30/70 mesh brown sand, 48 bbl 15% HCL, 9550 bbls slickwater. Set flow-thru frac plug at 12540' MD. Perf Mancos 2nd stage 12213-12481' MD, 60 holes, 0.42" diam.

7/26/11 - Frac Mancos 2nd stage with 5000# 100 mesh white sand, 268,150# 30/70 mesh brown sand, 24 bbl 15% HCL, 9250 bbls slickwater. Set flow-thru frac plug at 12140' MD. Perf Mancos 3rd stage 11937-12091' MD, 60 holes, 0.42" diam.

7/27/11 - Frac Mancos 3rd stage with 6900# 100 mesh white sand, 266,230# 30/70 mesh brown sand, 24 bbl 15% HCL, 9000 bbls slickwater. Set flow-thru frac plug at 11860' MD. Perf Mancos 4th stage 11615-11815' MD, 60 holes, 0.42" diam. Frac Mancos 4th stage with 6800# 100 mesh white sand, 267,490# 30/70 mesh brown sand, 24 bbl 15% HCL, 8900 bbls slickwater. Set flow-thru frac plug at 11580' MD. Perf Mancos 5th stage 11390-11542' MD, 60 holes, 0.42" diam.

7/28/11 - Frac Mancos 5th stage with 6250# 100 mesh white sand, 266,490# 30/70 mesh brown sand, 24 bbl 15% HCL, 9270 bbls slickwater. Set flow-thru frac plug at 11305' MD. Perf Mancos 6th stage 11060-11255' MD, 60 holes, 0.42" diam. Frac Mancos 6th stage with 5700# 100 mesh white sand, 267,440# 30/70 mesh brown sand, 24 bbl 15% HCL, 8990 bbls slickwater. Set flow-thru frac plug at 10985' MD. Perf Mancos 7th stage 10755-10942' MD, 60 holes, 0.42" diam.

7/29/11 - Frac Mancos 7th stage with 6200# 100 mesh white sand, 267,970# 30/70 mesh brown sand, 24 bbl 15% HCL, 8900 bbls slickwater. Set flow-thru frac plug at 10665' MD. Perf Mancos 8th stage 10430-10610' MD, 60 holes, 0.42" diam.

7/30/11 - Frac Mancos 8th stage with 6250# 100 mesh white sand, 267,090# 30/70 mesh brown sand, 24 bbl 15% HCL, 8980 bbls slickwater. Set flow-thru frac plug at 10350' MD. Perf Mancos 9th stage 10060-10258' MD, 60 holes, 0.42" diam. Frac Mancos 9th stage with 6280# 100 mesh white sand, 266,450# 30/70 mesh brown sand, 24 bbl 15% HCL, 8855 bbls slickwater. Set flow-thru frac plug at 9950' MD. Perf Mancos 10th stage 9649-9842' MD, 60 holes, 0.42" diam.

7/31/11 - Frac Mancos 10th stage with 6300# 100 mesh white sand, 266,630# 30/70 mesh brown sand, 24 bbl 15% HCL, 8960 bbls slickwater. Set flow-thru frac plug at 9555' MD. Perf Mancos 11th stage 9345-9502' MD, 60 holes, 0.42" diam. Frac Mancos 11th stage with 7160# 100 mesh

white sand, 266,390# 30/70 mesh brown sand, 24 bbl 15% HCL, 8965 bbls slickwater. Set flow-thru frac plug at 9285' MD. Perf Mancos 12th stage 8995-9243' MD, 60 holes, 0.42" diam.

8/1/11 - Frac Mancos 12th stage with 6400# 100 mesh white sand, 266,800# 30/70 mesh brown sand, 24 bbl 15% HCL, 9838 bbls slickwater. Set wireline retrievable plug at 5005'. Repair frac stack.

8/2/11 - RU RMWS to pull WRP. Unable to pull plug.

8/3/11 - MIRU Basic rig 1524 and Great White mini snub unit.

8/4/11 thru 8/5/11 - TIH. Latch onto WRP. TOH with WRP. RD rig and snub unit.

8/6/11 - Set flow-thru frac plug at 8955' MD. Perf Mancos 13th stage 8735-8895' MD, 60 holes, 0.42" diam.

8/7/11 - Frac Mancos 13th stage with 6300# 100 mesh white sand, 267,180# 30/70 mesh brown sand, 24 bbl 15% HCL, 9250 bbls slickwater. Set flow-thru frac plug at 8680' MD. Perf Mancos 14th stage 8428-8620' MD, 60 holes, 0.42" diam. Frac Mancos 14th stage with 6050# 100 mesh white sand, 266,470# 30/70 mesh brown sand, 24 bbl 15% HCL, 8800 bbls slickwater. Set flow-thru frac plug at 8375' MD. Perf Mancos 15th stage 8050-8340' MD, 60 holes, 0.42" diam. Frac Mancos 15th stage with 6980# 100 mesh white sand, 266,280# 30/70 mesh brown sand, 24 bbl 15% HCL, 8880 bbls slickwater.

8/8/11 thru 8/9/11 - Flow and test well.

8/10/11 - First deliver to sales via Test Allowable C-104.

8/11/11 thru 8/23/11 - Flow and test well.
