Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007

5. Lease Serial No.

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NMNM 046

6. If Indian, Allottee or Tribe Name

SUNDRY N	NOTICES AN	D REPORTS	ON	WELLS
Do not use this				
abandoned well.	Use Form 3	160-3 (APD) fe	or su	ch proposals.

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SUBMIT IN TRIPLICATE - Other instruction	ns on reverse side	7. If Unit or CA/Agreement, Name and/or No.
Type of Well Oil Well X Gas Well Other Name of Operator	JAN 28 2008	8. Well Name and No. Cheney Federal # 2B
ENERGEN RESOURCES CORPORATION 3a. Address 2010 Afton Place, Farmington, NM 87401	3b. Phone No. (include area code)	9. API Well No. 30-039-27082 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	M.P.M.	Blanco Mesa Verde Gavilan Chacra 11. County or Parish, State Rio Arriba NM
12. CHECK APPROPRIATE BOX(ES) TO IN	NDICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	,
X Notice of Intent Subsequent Report Final Abandonment Notice Acidize After Casing Casing Repair Change Plans Convert to Inject	Fracture Treat Reclamation New Construction Recomple Plug and Abandon Temporari Plug Back Water Dis	ily Abandon A DHC posal
13. Describe Proposed or Completed Operation (clearly state all pertinent det If the proposal is to deepen directionally or recomplete horizontally, give Attach the Bond under which the work will be performed or provide the following completion of the involved operations. If the operation results testing has been completed. Final Abandonment Notices shall be filed of determined that the final site is ready for final inspection.) Energen Resources intends to add the Gavilan Ch	subsurface locations and measured and true ve e Bond No. on file with BLM/BIA. Required s in a multiple completion or recompletion in a only after all requirements, including reclamation	ertical depths of all pertinent markers and zones. subsequent reports shall be filed within 30 days new interval, a Form 3160-4 shall be filed once on, have been completed, and the operator has
 MIRU. ND WH. ND BOP. TOH with 2.375" tubit TIH with RBP, set just below the Chacra Forms. Perforate Chacra per geology request. MIRU frac crew. Frac chacra per crew compands. Flow back frac. TIH and clean out to CIBP with air mist. To Drill out CIBP. TOH. TIH with tubing, set @ production foreman's ND BOP NU WH. Return well to production. 	mation. Test casing to 3500 ps ny's design. OH.	293037 7232 ECEIVED 85

1 HC even in progr I hereby certify that the foregoing is true and correct Name (Printed/Typed) Title Stolworthy District Engineer Date 01/24/08 THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Original Signed: Stephen Mason 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.

Approved by

Title

Date JAN 2 9 2028

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

1220 S. St. Francis Dr., Santa Fe, NM 87505 ☐ AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Code API Number Pool Name 30-039-27082 96307 Gavilan Charca ⁴ Property Code ⁵ Property Name ⁶ Well Number 21896 Cheney Federal 2B OGRID No. ⁹ Elevation 8 Operator Name 162928 **Energen Resources Corporation** 7264 Surface Location UL or lot no. Feet from the North/South line Range Feet from the East/West line County Section Township Lot Idn 1850 26N South 1850 Rio Arriba 17 West ¹¹ Bottom Hole Location If Different From Surface UL or let no. Section Township Lot Idn Feet from the North/South line Feet from the East/West line County 12 Dedicated Acres 15 Order No. 3 Joint or Infill ¹⁴ Consolidation Code No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division. RECEIVED I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this rsuant to a contract with an owner of such a mineral or working or to a voluntary pooling agreement or a compulsory pooling fore entered by the division 1/23/08 Date ¹⁸SURVEYOR CERTIFICATION I hereby certify that the well location shown on this 1850' plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 07/25/2002 Date of Survey Signature and Seal of Professional Surveyor: 1850 15269 Certificate Number

Energen Resources Completion Schedule - Procedure for Cheney Federal #2B

NOTE: See "Pertinent Data Sheet for wellbore information", "Perforation schedule for shooting interval.", and "Halliburton Frac Procedure."

- 1. MIRU WSU NUBOP.
- 2. POOH production tubing.
- 3. MIRU WL.
- 4. TIH W/ BP and set right below CH formation. Load the casing with clean 2% KCL W/ Biocide. Pressure Test Casing to desired specifications (80% yield press). Note: A packer may be required to isolate the wellhead from pressure. NU Frac Head/Valve assembly.
- 5. TIH & perforate the CH formation per the selected interval:

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- 6. Pump the Breakdown schedule per the attached Halliburton procedure.
- 7. Fracture the CH per the attached Halliburton procedure. Note: The Max treating pressure will be 80% yield press.
- 8. TIH w/ work string and clean out to BP.
- 9. TIH with bit and scraper and drill out CIBP and push to PBTD. POOH w/ Drill-out assembly TIH w/ Production tubing BHA per <u>Production Foreman Specification</u>.
- 10. NDBOP. NUWH. RDMO WSU.

State of New Mexico

Form C-107A Revised June 10, 2003

District II

1301 W Grand Avenue, Artesia, NM 88210

District III Well

District IV

1220 S St Francis Dr , Santa Fe, NM 87505

Energy, Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr.

APPLICATION TYPE X_Single

Santa Fe, New Mexico 87505

Establish Pre-Approved Pools EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING X Yes No Energen Resources 2010 Afton Place, Farmington, New Mexico 87401 Operator Address Rio Arriba Cheney Federal 2B K Section 17, T26N, R3W N.M.P.M Well No. Unit Letter-Section-Township-Range County Lease 162928 21896 30-039-27082 \mathbf{X} OGRID No. Property Code_ API No. Lease Type: ___ __Federal ___ _State ___

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Gavilan Charca	N/A	Blanco Mesa Verde
Pool Code	96307	N/A	72319
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	4300' to 4335'	N/A	5850' to 6028'
Method of Production (Flowing or Artificial Lift)	Artificial Lift - Plunger	N/A	Artificial Lift - Plunger
Bottomhole Pressure (Note Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	N/A within 150%	N/A	N/A within 150%
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1,027 BTU	N/A	1,056 BTU
Producing, Shut-In or New Zone	Shut-ın	N/A	Producing
Date and Oil/Gas/Water Rates of Last Production. (Note For new zones with no production history, applicant shall be required to attach production	Date: 12/2002	Date: N/A	Date: 03/2004
estimates and supporting data)	Rates: 0 BOPD/40 MCFPD/0 BWPD	Rates: N/A	Rates: 1 BOPD/ 35 MCFPD/0.5 BWPD
Fixed Allocation Percentage (Note If allocation is based upon something other	Oil Gas	Oil N/A Gas N/A	Oil Gas
than current or past production, supporting data or explanation will be required)	0 % 53 %	% %	100 % 47 %

ADDITIONAL DATA		
Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	YesX Yes	No No
Are all produced fluids from all commingled zones compatible with each other?	Yes_X_	No
Will commingling decrease the value of production?	Yes	No_X_
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? NMOCD Reference Case No. applicable to this well:	Yes X 031	No
Attachments: C-102 for each zone to be commingled showing its spacing unit and acreage dedication. Production curve for each zone for at least one year. (If not available, attach explanation.) For zones with no production history, estimated production rates and supporting data.	EIVED C	16789101

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.							
I hereby certify that the information above is true and complete to the best of my knowledge and belief.							
SIGNATURE TI	TLEDistrict	Engineer	DATE <u>1/23/08</u>	3			
TYPE OR PRINT NAME Justin M. Stolworthy		_TELEPHONE NO. (505) 324-4	143			
E-MAIL ADDRESS jstolwor@energen.com		_					