

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Energen Resources Corporation 3300 N. A Street, Bldg. 4, Ste. 100 Midland, TX 79705		² OGRID Number 162928
		³ API Number 30- 25- 33026 33036
⁴ Property Code 14045-2780	⁵ Property Name Baer Sub	⁶ Well No. 2
⁹ Proposed Pool 1 Townsend; Permo Penn Upper		¹⁰ Proposed Pool 2

⁷Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
0	32	15S	35E		810	South	2200	East	Lea

⁸Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

Additional Well Location

¹¹ Work Type Code P	¹² Well Type Code S	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3994'
¹⁶ Multiple	¹⁷ Proposed Depth 11,510'	¹⁸ Formation Wolfcamp	¹⁹ Contractor	²⁰ Spud Date
Depth to ground water 68'		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume 10M bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

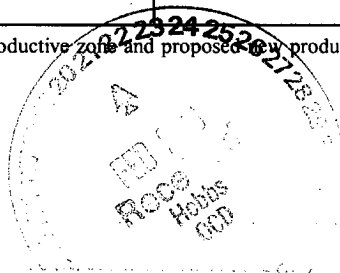
²¹Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	54.5#	397'	515	Surface
11"	8-5/8"	32#	4,673'	700	
7-7/8"	5-1/2"	17#	11,770'	620	9610'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

See attached procedure.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☒ a general permit ☐, or an (attached) alternative OCD approved plan ☐
Signature: Carolyn Larson

Printed name: Carolyn Larson

Title: Regulatory Analyst

E-mail Address: clarson@energe.com

Date: 2-16-06

Phone: 432/684-3693

OIL CONSERVATION DIVISION

Approved by:

Title:

PETROLEUM ENGINEER

Approval Date:

MAR 01 2006

Expiration Date:

Conditions of Approval:

Attached ☐

ENERGEN RESOURCES CORPORATION

Baer #2

810' FSL and 2200' FEL
Sec 32, T-15-S, R-35-E
Lea, Co. NM
Townsend- Permo Penn
Recomplete Wolfcamp

1. MIRU Pulling Unit
2. Install BOPE
3. RU wireline. Dump bail 35' cement on top of CIBP. RIH w/microvertilog tool. Run log from 9200' to 4600'. POOH
4. RIH w/retainer and tubing. Set retainer at 7000'
5. Cement squeeze casing leak per service co recommendation.
6. RIH w/4-3/4" bit, 6 3-1/2" drill collars and 2-7/8" tubing. Drill out retainer and cement. Pressure test casing to 500 psig. RIH to 10550'. Pickle tubing and casing up to 10300' with 500 gal 15% HCl acid. Spot 250 gal acid from 10550' to 10300'. POOH.
7. RU wireline company. RIH w/4" casing guns loaded w/23 gm charges at 3 SPF and 120° phasing. Perforate Wolfcamp from 10308-24' and 10522-38'. Total shots-96. (Correlated to Schlumberger Platform Express Litho-Density/Compensated Neutron GR log dated 8-26-1995)
8. RIH w/ RBP, Pkr, SN and 2-7/8" tubing. Set RBP at 10570'. PUH w/pkr and set at 10480'
9. Acidize perfs 10522-38' per service co recommendation.
10. RIH and retrieve RBP. Set RBP at 10360'. Pressure test RBP to 2000 psi. PUH w/pkr and set pkr at 10270'.
11. Acidize perfs 10308-24' per service co recommendation.
12. Retrieve RBP and set at 10570'. PUH and set pkr at 10270'.
13. RU swab and swab back load.
14. Perform interval swab testing.

ENERGEN RESOURCES CORPORATION

Baer #2

810' FSL and 2200' FEL

Sec 32, T-15-S, R-35-E

Lea, Co. NM

Townsend- Permo Penn

Recomplete Wolfcamp

15. RIH w/production tubing. Remove BOPE.
16. RIH with pump and rods.
17. Pressure test tubing to 500 psi.
18. RD pulling unit
19. Place well on pump.

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State of New Mexico
Energy, Minerals & Natural Resources

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-33026	² Pool Code 96135 59847	³ Pool Name Wolfcamp Townsend Permian Upper Permian
⁴ Property Code 14045	⁵ Property Name Baer Sh	⁶ Well Number 2
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 3994'

¹⁰ Surface Location

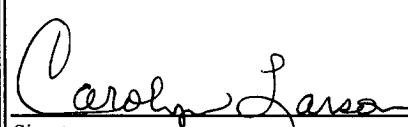
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County
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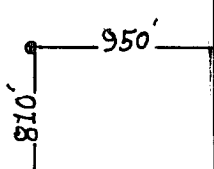
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill <input checked="" type="checkbox"/>	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁶				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Carolyn Larson Printed Name Regulatory Analyst Title February 16, 2006 Date
				¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this 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.</i> July 18, 1995 Date of Survey Signature and Seal of Professional Surveyer: Certificate Number



 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

Sent: Wed 3/1/2006 9:08 AM

Donna, Paladin has 9 Inactive wells and it owns 61 wells and they are allowed to have only 2 inactive wells - I am asking Gail about this one also.

Pogo has 719 wells and are allowed 7 wells and they have 15 inactive and are purchasing 23 inactive from Arch but they do not appear on Jane's list. I have asked Gail about Pogo to see if she has contacted them. The system has been updated so that whenever an operator tries to do an operator change if they are out of compliance with Rule 40 a Warning appears that they are out of compliance and to contact me. I refer them either to Gail or Daniel. They let me know when to proceed with the operator change. However, Pogo submitted the name change before this was in place. Will let you know what Gail says. All the rest are okay.

From: Mull, Donna, EMNRD
Sent: Wednesday, March 01, 2006 7:42 AM
To: Phillips, Dorothy, EMNRD
Subject: Financial Assurance Requirement

Dorothy, These Operators have Intent to drill in District 1 for approval:

Trilogy Operating Inc, (21602)
Range Operating New Mexico Inc. (227588)
Marbob Energy Corp. (14049)
Paladin Energy Corp. (164070)
Energen Resources Corp (162928)
Marathon Oil Co. (14021)
BTA Oil Producers (3002)
Northstar Operating Co. (152527)
EverQuest Energy Corp (212929)
Yates Petroleum Corp (35575)
Arch Petroleum Inc, (962)
Chevron USA Inc (4323)
Pogo Producing Co. (17891)

Please check if the Financial Assurance Requirements are OK for these operators to drill. Thanks Donna