

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

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

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. St., Bldg. 4, Ste. 100 Midland, TX 79705		² OGRID Number 162928
		³ API Number 30- 025-01216
⁴ Property Code 027812	⁵ Property Name State E	⁶ Well No. 1
⁹ Proposed Pool 1 Saunders; San Andres (96196)		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	03	15-S	33-E		660	North	660	East	Lea

⁸ Proposed 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 0	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4206'
¹⁶ Multiple No	¹⁷ Proposed Depth 6000'	¹⁸ Formation San Andres	¹⁹ Contractor	²⁰ Spud Date
Depth to ground water 105'		Distance from nearest fresh water well 200'		Distance from nearest surface water N/A
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume _____ 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"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	36#	296'	225	Surface
11"	8-5/8"	32# & 36#	3090'	1000	1745'
7-1/4"	5-1/2"	17#	9933'	600	6181'
Permit Expires 1 Year From Approval Date Unless Drilling Underway					

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

Plugback from the Permo-Penn to San Andres. Set CIBP above existing Penn perofs at 9500'. Run cased hole compensated neutron log from 6000' to 4000'. Pickle tubing with acid and spot 500 gals acid from 5700-5188'. Perforate at San Andres within 5700' to 5300' and from within 4950' to 4850'. Exact intervals to be determined from cased hole neutron log. Acidize perfs. Swab test. Place well on pump.

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 NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Signature: <i>Carolyn Larson</i>			
Printed name: Carolyn Larson		Approved by: <i>[Signature]</i>	
Title: Regulatory Analyst		Title: PETROLEUM ENGINEER	
E-mail Address: clarson@energen.com		Approval Date: MAY 09 2005	
Date: 5-2-05	Phone: (432) 684-3693	Expiration Date:	
		Conditions of Approval: Attached <input type="checkbox"/>	