

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South 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 Corp c/o Walsh Engineering & Production, 7415 East Main Farmington, NM 87402		² OGRID Number 162928
³ Property Code 32227 300427		⁴ API Number 30 - 045 - 32537
⁵ Property Name Santa Rosa 5		⁶ Well No. #3
⁷ Proposed Pool 1 Basin Fruitland Coal		⁸ 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
E	5	29N	9W		1335'	North	1020'	West	San Juan

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 Information

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 5661'
¹⁶ Multiple No	¹⁷ Proposed Depth 2500'	¹⁸ Formation Fruitland	¹⁹ Contractor	²⁰ Spud Date 9/1/04
Depth to Groundwater > 100'		Distance from nearest fresh water well > 1000'		Distance from nearest surface water > 1000'
Pit: Liner: Synthetic <input type="checkbox"/> miles thick Clay <input type="checkbox"/> Pit Volume: 2000 bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" 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
12-1/4"	8-5/8"	24 ppf	300'	210 sx	Surface
7-7/8"	5-1/2"	15.5 ppf	2500'	215 poz & 150 Class "B"	Surface

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.

Energen Resources proposes to drill a vertical well at the above described location and test the Fruitland Coal formation. A 12-1/4" surface hole will be drilled to ~300'. 8-5/8", 24# casing will be set & cemented to surface w/ 210 sx of Class "B". Will then drill a 7-7/8" hole w/ water & polymer mud system to 150' below base coal (~2500'). 5-1/2", 15.5 # casing will be set and cemented w/ 215 sx of 50/50 poz and 150 sx of Class "B" cement w/ additives (volumes will be calculated to bring cement to surface). After 8-5/8" surface casing is set a 2M (double ram) blowout preventer or annular preventer will be installed & pressure tested to 600 psi. A 2" kill line & 2" line to a choke manifold will also be installed.

The Fruitland Coal formation will then be selectively perforated and fracture stimulated to test for production. If productive, the well will be produced thru 2-3/8" tubing.

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 ☒ a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

Printed name: John C. Thompson

Title: Agent/Engineer

E-mail Address: john@walsheng.net

Date: 11/18/04

Phone: 505-327-4892

OIL CONSERVATION DIVISION

Approved by:

Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3

Approval Date: AUG 24 2004

Expiration Date: AUG 24 2005

Conditions of Approval Attached ☐

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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 August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32537		² Pool Code 71629		³ Pool Name Basin Fruitland Coal	
⁴ Property Code 300427		⁵ Property Name SANTA ROSA 5			⁶ Well Number 3
⁷ OGRID No. 162928		⁸ Operator Name ENERGEN RESOURCES CORPORATION			⁹ Elevation 5661

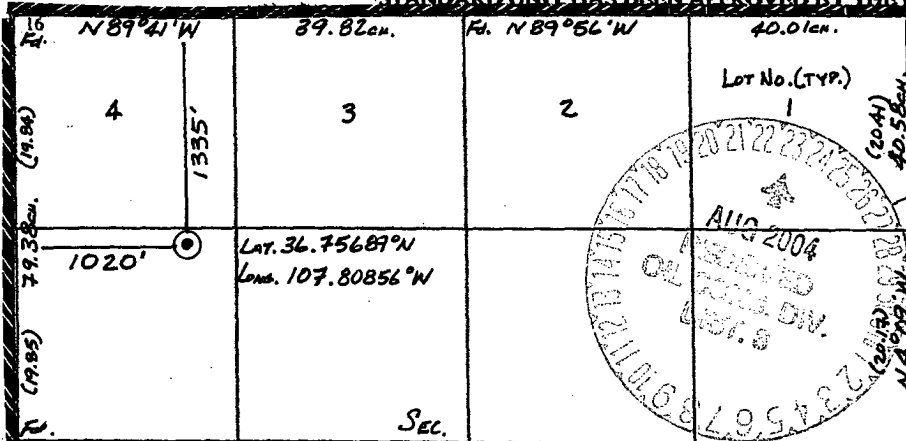
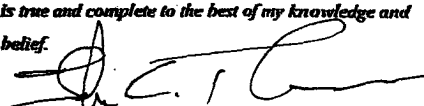
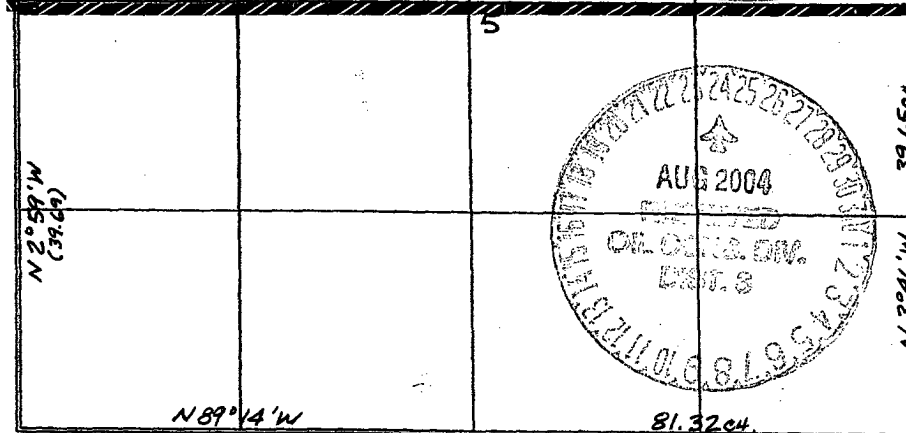
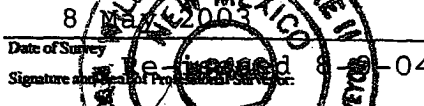
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	5	29N	9W		1335	North	1020	West	San Juan

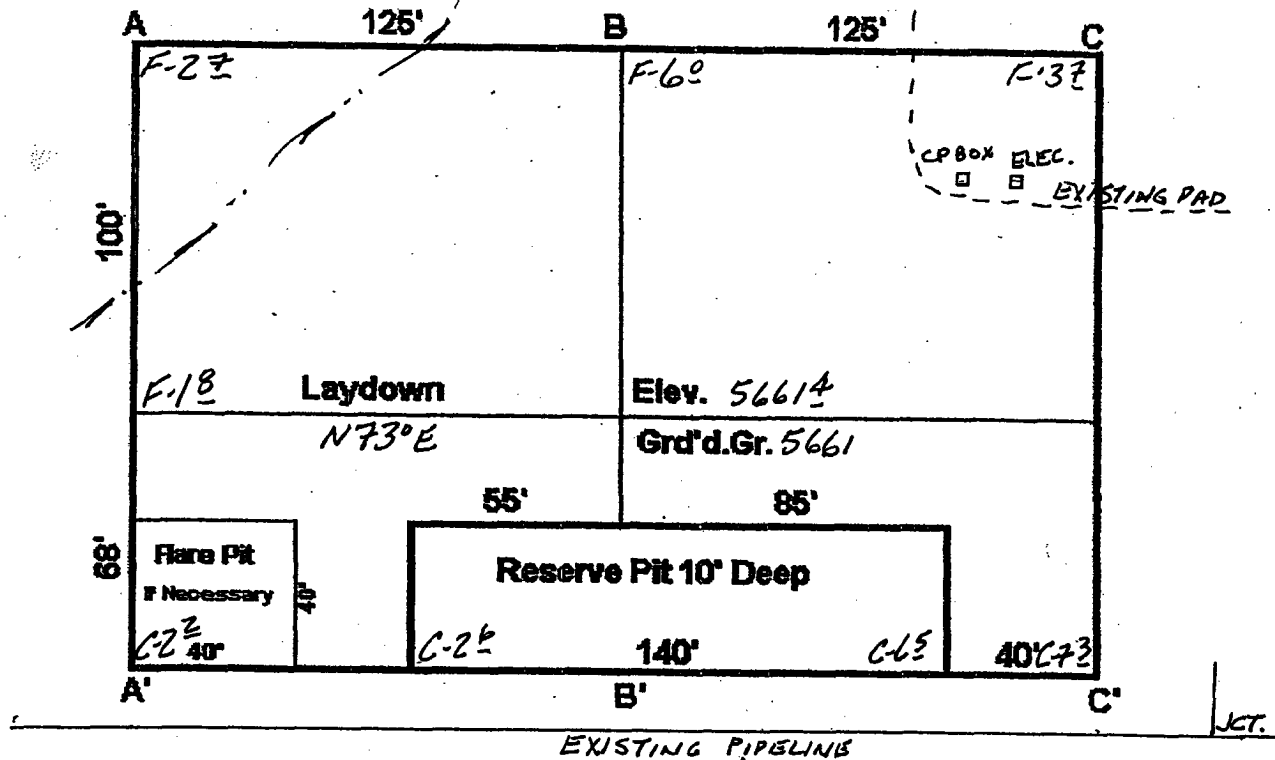
Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹⁰ Dedicated Acres 320.96		¹¹ Joint or Infill		¹² Consolidation Code		¹³ Order No.			

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

				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature John C. Thompson Printed Name AGENT / ENGINEER Title 8/18/04 Date	
				18 SURVEYOR CERTIFICATION 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. 8 MAY 2004 Date of Survey  Signature and Seal of Professional Surveyor William E. Mannke II Certificate Number 8466	

ENERGEN RESOURCES CORP
 SANTA ROSA 5 #3
 1335' FNL & 1020' FWL
 Sec. 5, T29N, R9W, NMPM
 San Juan Co., NM



SCALE: 1"=50'

