

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

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

1. Operator Name and Address ENERGEN RESOURCES CORPORATION 2198 Bloomfield Highway Farmington , NM 87401		2. OGRID Number 162928
		3. API Number 30-025-37530
4. Property Code 27820	5. Property Name WEST LOVINGTON STRAWN UNIT	6. Well No. 022

7. Surface Location

UL - Lot I	Section 32	Township 15S	Range 35E	Lot Idn I	Feet From 2310	N/S Line S	Feet From 660	E/W Line E	County LEA
---------------	---------------	-----------------	--------------	--------------	-------------------	---------------	------------------	---------------	---------------

8. Pool Information

LOVINGTON,STRAWN, WEST	40875
------------------------	-------

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3990
14. Multiple N	15. Proposed Depth 12000	16. Formation Strawn	17. Contractor	18. Spud Date 11/20/2005
Depth to Ground water 65		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____mils thick Clay <input type="checkbox"/> Pit Volume: 10000 _____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"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	450	0
Int1	11	8.625	32	4800	1200	0
Prod	7.875	5.5	17	12000	1200	4500

Casing/Cement Program: Additional Comments

Fresh water will be used to drill the surface and production sections. Brine will be used to drill the intermediate section.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Shaffer

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	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 10/28/2005	Expiration Date: 10/28/2006
	Conditions of Approval Attached	

Printed Name: Electronically filed by Vicki Donaghey	
Title: Production Assistant	
Email Address: vdonaghe@energen.com	
Date: 10/27/2005	Phone: 505-325-6800

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name	
		40875	LOVINGTON;STRAWN, WEST	
Property Code	Property Name			Well Number
27820	WEST LOVINGTON STRAWN UNIT			22
OGRID No.	Operator Name			Elevation
162928	ENERGEN RESOURCES CORPORATION			3990'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	32	15 S	35 E		2310'	SOUTH	660'	EAST	LEA

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
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
80									

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

				<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><u>Carolyn Larson</u> Signature</p> <p><u>Carolyn Larson</u> Printed Name</p> <p><u>Regulatory Analyst</u> Title</p> <p><u>October 25, 2005</u> Date</p>
		<p>Energen Big Dog Baer #1</p>	<p>Energen WLSU #21</p>	
	<p>Energen Baer #1</p>		<p>#220</p> <p>660'</p>	<p>Plane Coordinate X = 779,255.4 Y = 718,806.9</p> <p>Geodetic Coordinate (NAD'27) Latitude = 32°58'21.90" N Longitude = 103°25'21.96" W</p>
			<p>2310'</p>	<p>SURVEYOR CERTIFICATION</p> <p><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></p> <p><u>October 14, 2005</u></p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p><u>LVA</u></p> <p><u>W.O. Num. 2005-0998</u></p> <p>Certificate No. MACON McDONALD 12185</p>
<p>NOTE:</p> <p>1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.</p>				

Permit Conditions of Approval

Operator: ENERGEN RESOURCES CORPORATION , 162928

Well: WEST LOVINGTON STRAWN UNIT #022

API: 30-025-37530

OCD Reviewer	Condition
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
pkautz	prior to any pit construction notify Gary Wink at 505-393-6161 ext 114