

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 605 21ST STREET NORTH BIRMINGHAM , AL 352032707		2. OGRID Number 162928
		3. API Number 30-045-34115
4. Property Code 36016	5. Property Name NAVAJO LAKE	6. Well No. 102

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	10	32N	06W	I	1485	S	415	E	SAN JUAN

8. Pool Information

BASIN FRUITLAND COAL (GAS)	71629
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 6182
14. Multiple N	15. Proposed Depth 7830	16. Formation Fruitland Coal	17. Contractor	18. Spud Date 3/7/2006
Depth to Ground water 100		Distance from nearest fresh water well > 1000		Distance to nearest surface water 250

Pit: Liner: Synthetic ☒ 12 _____ miles thick Clay ☐ Pit Volume: 2000 _____ bbls Drilling Method:
 Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	32.3	400	225	0
Int1	8.75	7	23	4187	700	0
Prod	6.25	4.5	11.6	7830	0	
Prod	6.25	4.5	11.6	7809	0	

Casing/Cement Program: Additional Comments

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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	200	2000	

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
Printed Name: Electronically filed by Vicki Donaghey	Approved By: Steve Hayden
Title: Regulatory Analyst	Title: Geologist
Email Address: vdonaghe@energen.com	Approved Date: 1/5/2007 Expiration Date: 1/5/2008
Date: 1/5/2007 Phone: 505-325-6800	Conditions of Approval Attached

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 71629		3 Pool Name BASIN FRUITLAND COAL	
4 Property Code		5 Property Name NAVAJO LAKE			6 Well Number 102
7 OGRID No. 162928		8 Operator Name ENERGEN RESOURCES CORPORATION			9 Elevation 6182'

10 Surface Location

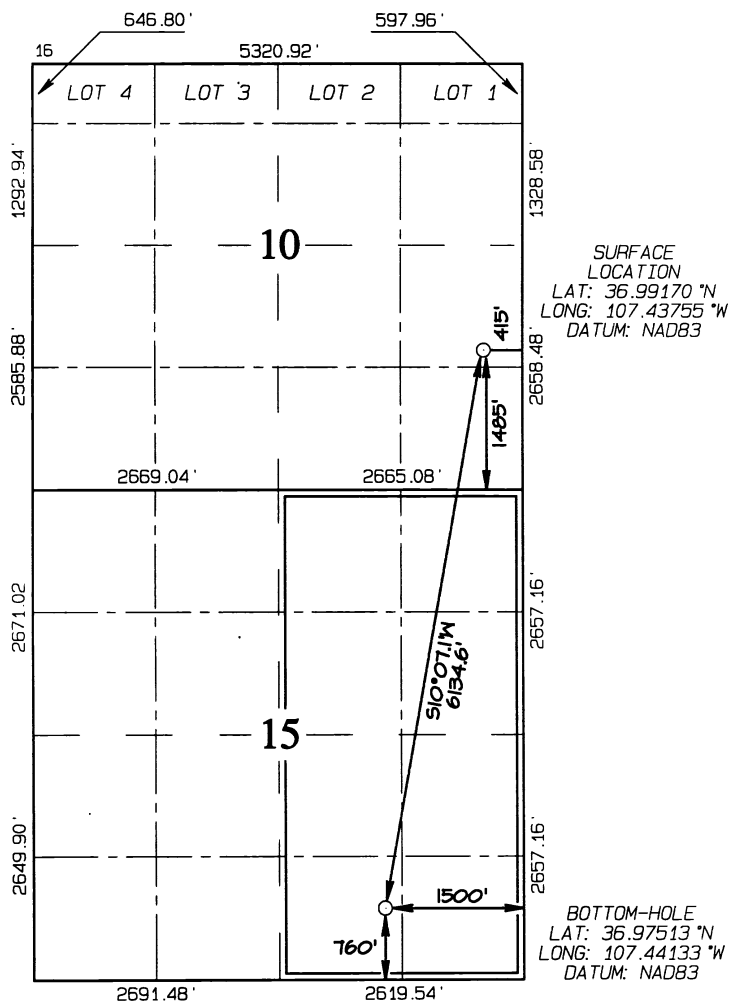
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	10	32N	6W		1485	SOUTH	415	EAST	SAN JUAN


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
O	15	32N	6W		760	SOUTH	1500	EAST	SAN JUAN

12 Dedicated Acres Section 15 320.0 Acres - E/2					13 Joint or Infill	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



17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
Signature _____
Printed Name _____
Title _____
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.
Survey Date: OCTOBER 14, 2005
Signature and Seal of Professional Surveyor

JASON C. EDWARDS
Certificate Number 15269

Permit Comments

Operator: ENERGEN RESOURCES CORPORATION , 162928

Well: NAVAJO LAKE #102

API: 30-045-34115

Created By	Comment	Comment Date
VDONAGHEY	The (2) 4.50" production casings are liners, but the system will not let me put in as liners, will only let me put in as production. This is the same problem we had on the Allison Com Unit #135S.	12/14/2006
SHAYDEN	This APD will require an attached plat to show the surface location in section 10 and the two laterals in section 15.	12/18/2006
SHAYDEN	E/2 Section 15 is Fee.	1/4/2007

Permit Conditions of Approval

Operator: ENERGEN RESOURCES CORPORATION , 162928

Well: NAVAJO LAKE #102

API: 30-045-34115

OCD Reviewer	Condition
SHAYDEN	Will require a directional survey with the C-104