

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

RCVD DEC 28 '06
OIL CON. DIV.
DIST. 3

☐ AMENDED REPORT

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

¹ Operator Name and Address Energizer Resources Corporation 2198 Bloomfield Highway Farmington, New Mexico 87401		² OGRID Number 162928
		³ API Number 30-039-30148
⁴ Property Code 36220	⁵ Property Name Carracas SWD	⁶ Well No. 2
⁹ Proposed Pool 1 Chinle (96159)		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
I	09	32N	04W	(5)	1489'	South	134'	East	Rio Arriba

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 Drill	¹² Well Type Code Disposal	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 6222'
¹⁶ Multiple No	¹⁷ Proposed Depth 9316'	¹⁸ Formation Chinle	¹⁹ Contractor	²⁰ Spud Date 02/01/06
Depth to ground water >100'		Distance from nearest fresh water well >1000'		Distance from nearest surface water >400'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume 2000 bbls Drilling Method: Rotary 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
17.5"	13.375"	48	400	500	
12.25	9.625	40	5986	2160	
7.875	5.50"	17	9316	1075	

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.

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"/> . Signature:		OIL CONSERVATION DIVISION	
Printed name: Vicki Donaghey			
Title: Regulatory analyst		Approved by: 	
E-mail Address: vdonaghe@energizer.com		Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3	
Date: 12/19/06	Phone: 505.325.6800	Approval Date: DEC 28 2006 Expiration Date: DEC 28 2007	
		(Federal Coal only)	
		Conditions of Approval: Attached <input type="checkbox"/> Obtain SWD order	

B 12/28/06

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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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30148	² Pool Code 96159	³ Pool Name SWD: Entrada-Chimle
⁴ Property Code 36220	⁵ Property Name CARRACAS SWD	⁶ Well Number #2
⁷ OGRID No. 162928	⁸ Operator Name ENERGEN RESOURCES CORPORATION	⁹ Elevation 6222'

10 Surface Location

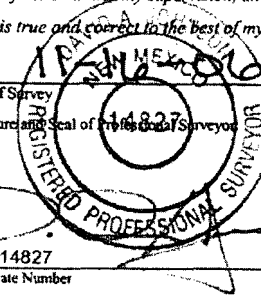
UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
5 / I	9	32N	4W		1489	SOUTH	134	EAST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County

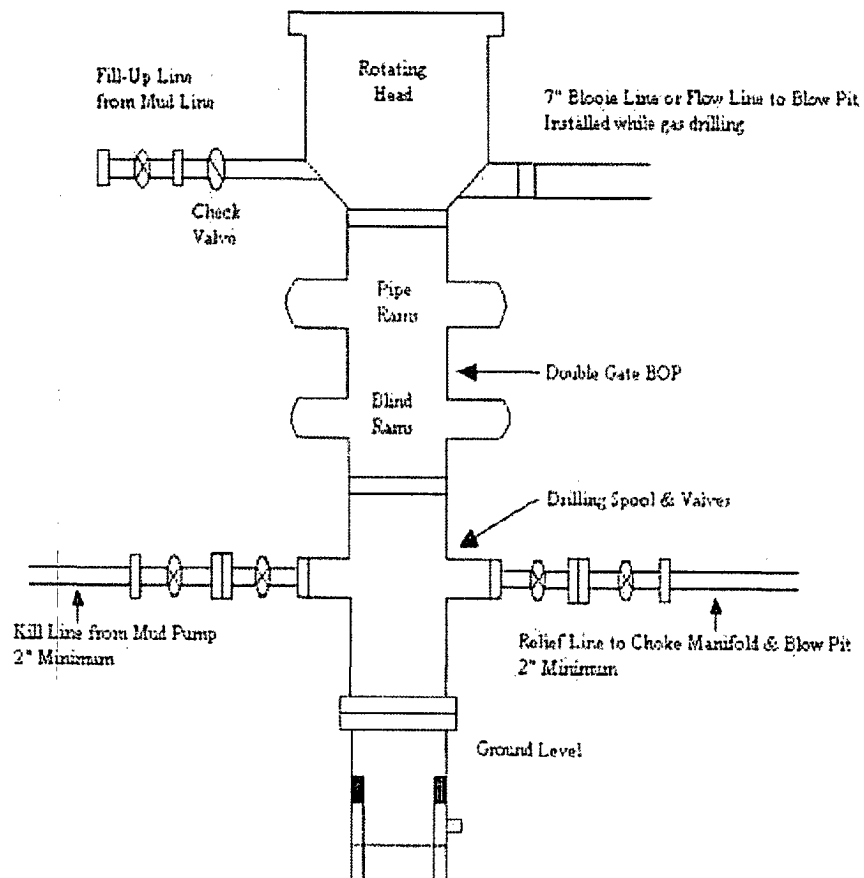
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.

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, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Signature _____ Date _____ Printed Name _____	
ARCHULETA COUNTY, COLORADO RIO ARriba COUNTY, NEW MEXICO				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> Date of Survey _____ Signature and Seal of Professional Surveyor _____  NM #14827 Certificate Number	
LOT 3	LOT 7	LOT 6	LOT 5		
9				FD. 2 1/2" BRASS CAP GLO 1918	
				S00°15'44"E 930.71' (M)	
				134'	
				FD. 3 1/4" BRASS CAP BLM 1967	
				S00°06'59"E 1320.47' (M)	
				FD. 3 1/2" BRASS CAP BLM 1972	
				FD. 3 1/2" BRASS CAP BLM 1972	
				S89°57'05"W 2605.03' (M)	

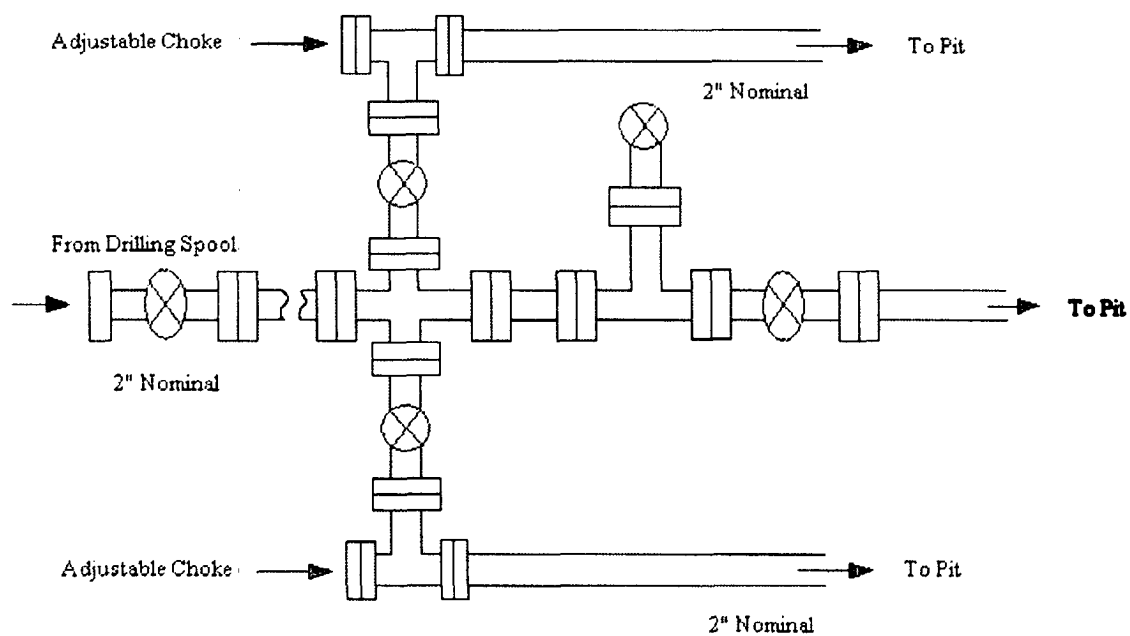
Energen Resources Corporation

Typical BOP Configuration for Gas Drilling



**Minimum BOP installation for a typical well from surface to total depth
11" Bore, 3000 psi minimum working pressure double gate BOP to be equipped with
blind and pipe rams. A Schaffer Type 50 or equivalent rotating head to be installed on
the top of the BOP. All equipment is 3000 psi working pressure
or greater.**

Energen Resources Corporation
Typical 2000 psi Choke Manifold Configuration



Choke manifold installed from surface to TD

Minimum choke manifold installation from surface to total depth. 2" minimum, 2000 psi working pressure equipment with two chokes.