

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

# APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		UNIT AGREEMENT NAME San Juan 32-5 Unit	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		18. FARM OR LEASE NAME, WELL NO. San Juan 32-5 Unit 6B	
2. NAME OF OPERATOR <b>ENERGEN RESOURCES CORPORATION</b>		9. API WELL NO. 30-039-26425	
3. ADDRESS AND TELEPHONE NO. <b>2198 Bloomfield Highway; Farmington, NM 87401</b>		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface <b>2605' FSL, 2190' FWL</b> At proposed prod. zone		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>KSec. 25, T32N, R6W, N.M.P.M.</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Eight (8) miles SE of Arboles, Colorado</b>		12. COUNTY OR PARISH Rio Arriba	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>2170'</b>		16. NO. OF ACRES IN LEASE <b>1480</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>320</b> <i>WZ</i>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>1200'</b>	19. PROPOSED DEPTH <b>6094</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6347'</b>		22. APPROX. DATE WORK WILL START*	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	9 5/8	32.3#	200'	130 cu. ft., circ. to surface
8 3/4	7	20#	3654'	824 cu. ft., circ. to surface
6 1/4	4 1/2	10.5#	3504'-6094'✓	399 cu. ft., circ. liner

Selectively perforate and sand water fracture the Mesaverde. This gas is dedicated.  
A Williams Field Service Pipeline ROW Plat is attached.

This section is subject to technical and procedural change. See 101.01.000 2105.3 and appendices to 101.01.000.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 08-22-2011 BY 60322 UCBAW

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Production Superintendent

DATE 4/4/2000

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE-

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

**/s/ Jim Lovato**

TITLE

DATE \_\_\_\_\_

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MAY 17 2000

District I  
0 Box 1980, Hobbs, NM 88241-1980  
District II  
0 Drawer DD, Artesia, NM 88211-0719  
District III  
000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
0 Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

270 APR -5 PM 12:38 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26425		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 21996	*Property Name SAN JUAN 32-5 UNIT		*Well Number 6B
*GRID No. 162928	*Operator Name ENERGEN RESOURCES CORPORATION		*Elevation 6347

<sup>10</sup> Surface Location

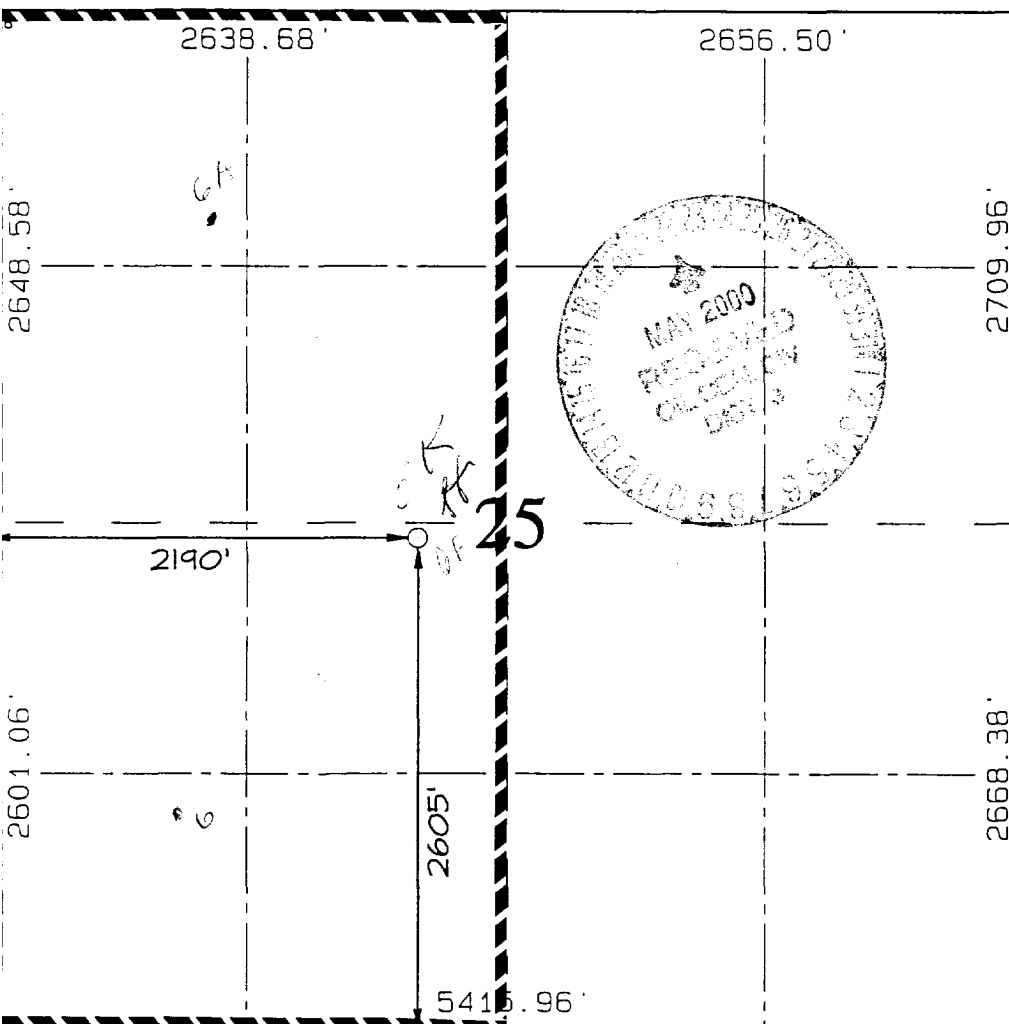
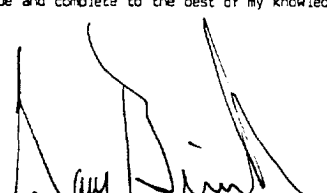

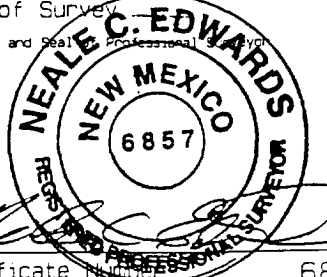
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	25	32N	6W		2605	SOUTH	2190	WEST	RIO ARriba

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 320 W/2	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p></p> <p>Signature Gary Brink Printed Name Production Superintendent Title 4/4/00 Date</p>
	<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>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.</p> <p>FEBRUARY 14, 2000 Date of Survey</p> <p> Signature and Seal of Professional Surveyor</p> <p></p> <p>Certificate Number 6857</p>

### BOP SPECIFICATIONS:

An 11" 2000 psi minimum double gate BOP stack (Figure 1) will be used following nipple up of casing head. During air drilling operations, a Shaffer Type 50 or equivalent rotating head will be installed on top of the stack. A 2" nominal, 2000 psi minimum choke manifold will be used. An upper Kelly Cock valve with handle available and drill string valve to fit each drill string will be available on the rig floor during drilling operations.

### CEMENTING:

9 5/8" surface casing - cement with 110 sks Class B Cement with 1/4" flocele/sk and 2% calcium chloride (130 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600# for 30 minutes.

Texas Pattern Guide Shoe on bottom. 3 bow type centralizers spaced throughout the string.

7" intermediate casing - cement with 365 sks 65/35 Class B Poz with 6% gel, 2% calcium chloride, 10% gilsonite, and 1/4# flocele/sk. Tail with 100 sks Class B w/2% calcium chloride, 10% gilsonite and 1/4# flocele/sk. (824 cu. ft. of slurry, 50% excess to circulate to surface). WOC 12 hrs. If cement does not circulate, run temperature survey in 8 hrs. to determine TOC. Test casing to 1200 psi for 30 minutes.

Cement nose guide shoe on bottom with a self-fill insert float valve on top of shoe joint. 10 bow spring centralizers spaced every 2nd joint off bottom. Two turbolating centralizers at the base of the Ojo Alamo.

### 4 1/2" Production Liner

Cement with 315 sks 50/50 Poz with 2% gel, 5 PPS gilsonite, and .4% halad - 9 and 1/4# flocele/sk (399 cu. ft., 50% excess to tie into intermediate casing string). WOC 18 hrs. prior to completion.

Cement nose guide shoe on bottom with float collar on top of shoe joint. Liner hanger will have neoprene packoff on top.

### OTHER INFORMATION:

- 1) The Blanco Mesa Verde will be completed.
- 2) No abnormal temperatures or pressures are anticipated.
- 3) Anticipated pore pressure for the Mesa Verde is 1000.
- 4) If lost circulation is encountered sufficient LCM will be added to the mud system to maintain well control.
- 5) This gas is dedicated.
- 6) Anticipated pore pressure for the Fruitland is 700 psi and the Pictured Cliffs is 800 psi.

ENERGEN RESOURCES CORPORATION SAN JUAN 32-5 UNIT #6B

2605' FSL & 2190' FWL, SECTION 25, T32N, R6W, N.M.P.M.  
RIO ARriba COUNTY, NEW MEXICO

