

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-079011	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR ENERGEN RESOURCES CORPORATION		7. UNIT AGREEMENT NAME San Juan 32-5 Unit 21996	
3. ADDRESS AND TELEPHONE NO. 2198 Bloomfield Highway; Farmington, NM 87401		8. FARM OR LEASE NAME, WELL NO. San Juan 32-5 Unit 11R	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2375' FNL, 2200' FEL At proposed prod. zone		9. API WELL NO. 30-037-2636	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Eight (8) miles SE of Arboles, Colorado		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2200'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T32N, R6W, N.M.P.M.	
16. NO. OF ACRES IN LEASE 1320		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL E/320		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1300'		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 6173'		22. APPROX. DATE WORK WILL START*	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6406'			

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#	3683'	831 cu. ft., circ. to surface
6 1/4	4 1/2	10.5#	3533'-6173'	407 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 action is subject to technical and
procedural review pursuant to 43 CFR 3160.5
and appeal pursuant to 43 CFR 3160.6.

REMARKS: COMMENTS REQUIRED ARE
SUBJECT TO COMPLETION WITH ATTACHED
"GENERAL REQUIREMENTS"

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 [Signature] TITLE Production Superintendent DATE 2/10/00

(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:

/s/ Charlie Beecham

APR 26 2000

APPROVED BY _____ 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.

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30 039-26363		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 21996	*Property Name SAN JUAN 32-5 UNIT		*Well Number 11R
*OGRIID No. 162928	*Operator Name ENERGEN RESOURCES CORPORATION		*Elevation 6406

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
G	23	32N	6W		2375	NORTH	2200	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres 320	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

¹⁶	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Gary Brink Printed Name Production Superintendant Title 2/10/00 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. NOVEMBER 16, 1999 Date of Survey Signature and Seal of Professional Surveyor Certificate No. 6857

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. (831 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 320 sks 50/50 Poz with 2% gel, 5 PPS gilsonite, and .4% halad – 9 and 1/4# flocele/sk (407 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 neopreme 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 #11R

2375' FNL & 2200' FEL, SECTION 23, T32N, R6W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO

