#### Please Process as an APD-ROW

Form 3760-3 (September 2001) ,

**UNITED STATES** 

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

5. Lease Ser	ial No.		
NMSF - 0778	65		
C 161. 1:	A 11 - 44	- T-11 - M	

DEPARTMENT OF THE INTE	RIOR		5. House Serial Ivo.
BUREAU OF LAND MANAGEM	ENT	į	NMSF - 077865
APPLICATION FOR PERMIT TO DR	LL OR REENTER	0 5 5 6	6. If Indian, Allottee or Tribe Name
la. Type of Work: Oil REENTER Well	<b>2091</b> OCT	3 111 2	Aff Unit or CA Agreement, Name and No.
1b. Type of Well: X Gas Well Other	RE X Single Zone F Д	CEIVED Multiple Zone	8. Lease Name and Well No Candelaria 29-10-22 #3
Name of Operator     Energen Resources Corporation, an Energen Company			9. API Well No. 30-045- 32575
3a. Address	3b. Phone No. (include area co	ode)	10. Field and Pool, or Exploratory
2198 Bloomfield Highway Farmington, New Mexico, 87401	970 326-6191	1111	Basin Fruitland Coal
4. Location of Well (Report location clearly and in accordance with any S	tate requirements. *)		11. Sec., T., R., M., or Blk. and Survey or Area
At surface NESE: 1650 FSL 905 FEL Lat. 36° 42'33" Long.	107° 51'59" © CC	1887 W	
At proposed prod. zone same	la Con Page	200a B	I Sec. 22 T. 29N., R. 10 W. NMPM
14. Distance in miles and direction from nearest town or post office*		<u> </u>	12. County or Parish 13. State
21/2 miles west, southwest of Blanco, NM	1.00 Sald 300		San Juan County NM
15. Distance from proposed*	16. No. of Acres in lease	17. Spacing	Unit dedicated to this well
location to nearest property or lease line,	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Lay	
905 feet from east line (Also to nearest drig, unit line, if any)	598.60 LEnc co	07 17 360 320	
18. Distance from proposed location* to nearest well, drilling, completed,	19. Proposed Depth	20. BLM/B	IA Bond No. on file
to nearest weil, drilling, completed, applied for, on this lease, ft. 128 feet to Burlington Resources Inc., Albright #7E	2050 2096	B2918255	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work	will start*	23. Estimated duration
5609 GL	February, 2005		30 days
	24. Attachments		
The following, completed in accordance with the requirements of Onshor	Oil and Gas Order No. 1, shall	be attached to this	form:
1. Well plat certified by a registered surveyor.	4. Bond to co	over the operations	unless covered by an existing bond on file (see
2. A Drilling Plan.	Item 20 al	bove).	
3. A Surface Use Plan (if the location is on National Forest System I	ands, the 5. Operator c		rmation and/or plans as may be required by the
SUPO shall be filed with the appropriate Forest Service Office).	authorized		mation and/or plans as may be required by the
25. Signature	Name (Printed/Typed)	· · · · · · · · · · · · · · · · · · ·	Date
u du Thans	Mr. Doug Thom	nas	4/8/09
Title			
Drilling Superintendent			
Approved by (Mignature)	Name (Printed/Typed)		Date //3/64
Title AFM	Office TF	5	/ '/
Application approval does not warrant or certify that the applicant holds l	egal or equitable title to those r	ights in the subject	lease which would entitle the applicant to conduct
operations thereon.  Conditions of approval, if any, are attached.			
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it	a crime for any person knowir	ngly 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 jurisdicti	on.	

NMOCD

\*(Instructions on reverse)

District I PO Box 1980, Hobbe/NM 88241-1980

PO Drawer KK, Artesia, NM 87211-0719

1000 Rio Brazos Rd., Aztec, NM 87410

District II

District IV

12 Dedicated Acres

Joint or Infill

Consolidation Code

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2

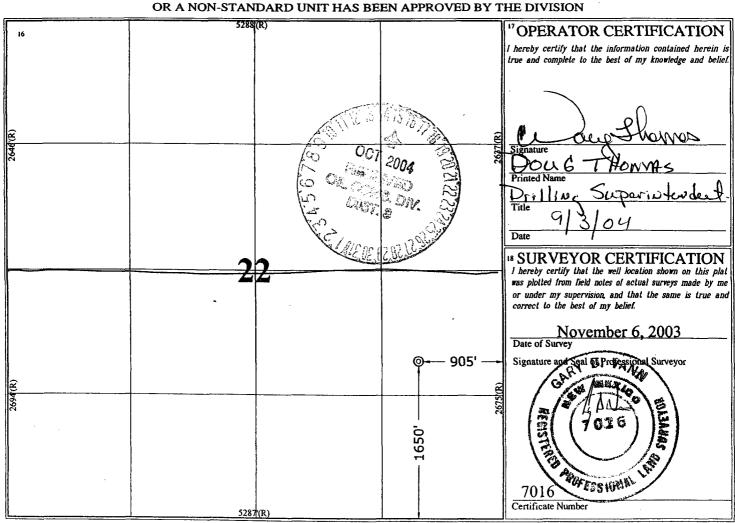
Fee Lease - 3 Copies

AMENDED REPORT

PO Box 2088, Santa Fe, NM 87504-2088 WELL LOCATION AND ACREAGE I 71624 Weil Number Candelaria 29-10-22 #3 Operator Name <sup>9</sup> Elevation 5609 ENERGEN RESOURCES CORPORATION Surface Location North/South line East/West line Township County Range UL or Lot No. Section Lot Idn Feet from the Feet from the SAN JUAN EAST 22 29 N 10 W 1650 SOUTH 905 I "Bottom Hole Location If Different From Surface East/West line 7 UL or lot no. Township Range Lot Idn North/South line Feet from the Feet from the

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

15 Order No.

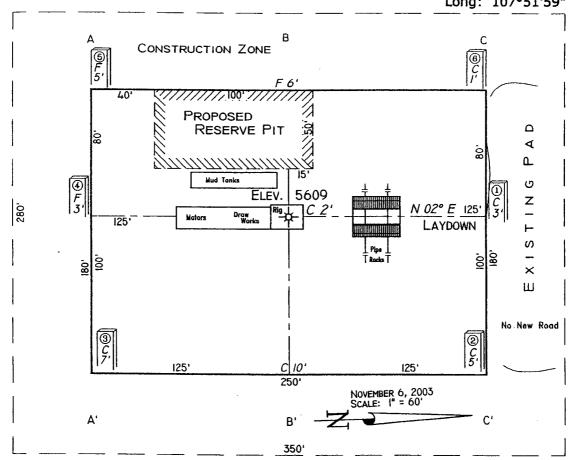


#### PAD LAYOUT PLAN & PROFILE **ENERGEN RESOURCES CORPORATION** Candelaria 29-10-22 # 3 1650' F/SL 905' F/EL SEC. 22, T29N, R10W, N.M.P.M.

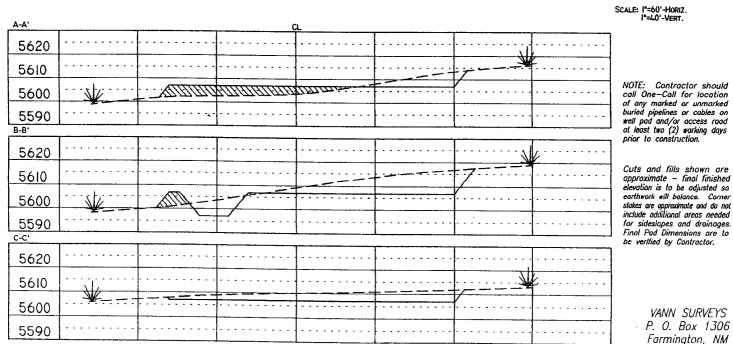
SAN JUAN COUNTY, NEW MEXICO

Plat #4 Pad Layott

Lat: 36°42'33" Long: 107°51'59"



Area of Construction Zone - 280'x350' or 2.25 acres, more or less.



stakes are approximate and do not include additional areas needed for sideslopes and drainages. Final Pad Dimensions are to be verified by Contractor.

Farmington, NM

Form 3160-5 (April 2004)

# **UNITED STATES** DEPARTMENT OF THE INTERIOR

**BUREAU OF LAND MANAGEMENT** 

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals. FORM APPROVED

OWR NO.	1004-013/
Expires Mare	ch 31, 2007

١.	Lease	Serial	No.

NMSF-07786	<b>3</b> 5
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6. If Indian, Allottee or Tribe Name

2004	OCT	H	PM	3	3(
~	•••		7 1 1	U	-

	<u> </u>		2001 001	7 111 3	
SUBMIT IN TRIPLICATE -	Other instructions on re	everse side			A/Agreement, Name and/or No.
. Type of Well			1 070 FAN	MINGTOH	
Oil Well x Gas Well Other	Vide Link			8. Well Name a	
2. Name of Operator	fr.s	1. 3 48. S.		29-10-22	#3
ENERGEN RESOURCES CORPORATION	Je Cay	2/2/3		9. API Well No	).
a. Address	735.0P	hone No (inchille are	a code)	30-045- %	
2198 Bloomfield Highway, Farmington	, NM 87401	0000 la Carrier			Pool, or Exploratory Area
Location of Well (Footage, Sec., T., R., M., or Survey I	Description)			Basin Frui	tland Coal
1650' FSL, 905' FEL, sec 22, T 29 N	, R 10 W NMPM				
				11. County or	Parish, State
				San Juan	N.M.
12. CHECK APPROPRIATE	BOX(ES) TO INDICAT	E NATURE OF N	IOTICE, REPO	ORT, OR OT	HER DATA
TYPE OF SUBMISSION		TYF	E OF ACTION		
Notice of Intent	Acidize	Deepen	Production	(Start/Resume)	Water Shut-Off
<del></del>	Alter Casing	Fracture Treat	Reclamation	n	Well Integrity
Subsequent Report		╡	吕		$\exists$
<del>_</del>	Casing Repair	New Construction	Recomplete		Other
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporaril	y Abandon	
<del>_</del>	Convert to Injection	Plug Back	Water Disp	osal	
Nacimiento Fm. Surface Ojo Alamo Ss. 766' Kirtland 936' Fruitland Fm 1651' Pictured Cliffs 1946' Total Depth 2096'		Tananag Walak			
Surface Casing and cemment will  Prod. Casing will change to 15.59  Prod string will be cmt as follow  Per flush w/20 scks of TXI, 10# s  Lead Cmt w/226 sks of TXI, 10#gil  Tail Cmt 165 sks Class B ,2% Cac	# J-55 LTC ws: sk/gilsonite,1/2# flo 1, 1/2# flocele, 3/10	0 % Halad 344,			
14. I hereby certify that the foregoing is true and correct	1	Title			
Name (Printed Typed) DOUG THOMA			na Cimamint	andon+	
4			ng Superint	encent	·
The series	S SDACE FOR FEDERA	Date 10/1/04	EICE IISE		
	S SPACE FOR FEDERA		TIVE USE	1-	
Conditions of approval, it shy, are attached. Approval certify that the applicant holds legal or equitable title to	of this notice does not warrant	Or Office ase	-		ate 18/13/84
which would entitle the applicant to conduct operations t			$\sim$		

# Energen Resources Corporation 2198 Bloomfield Highway Farmington, NM 87401 (505) 326-6191

Candelaria 29-10-22 #3 NESE Sec 22-T29N-R10W 1650' FSL & 905' FEL San Juan County, New Mexico

#### **EIGHT POINT DRILLING PROGRAM**

1. Estimated Formation Tops:

Ojo Alamo	600'
Kirtland	750'
Fruitland Coal	1600'
Pictured Cliffs	1900'
Total Depth	2050'

2. Estimated Depth of Anticipated Minerals:

Fruitland (Gas) 1750'

3. Minimum Specifications for Pressure Control Equipment:

BOP equipment and accessories will meet or exceed BLM requirements outlined in 43 CFR Part 3160.

A 3000 psig double ram hydraulic BOP will be used (see attached diagram). Since maximum anticipated formation pressure is 1200 psig, accessories to the BOP will meet BLM requirements for a 2000 psig system (exhibit 1). The accumulator system capacity will be sufficient to close all BOPE with a 50% safety factor. Fill line, kill line and line to choke manifold will be 2". BOP will be function tested every 24 hours and will be recorded on IADC log.

Surface casing will be tested to 1500 psig for 30 minutes.

# **Eight Point Drilling Program - Candelaria 29-10-22 #3 Page 2**

Accessories to BOPE will include upper and lower Kelly cocks with handles, stabbing valve to fit drill pipe on floor at all times, string float at bit, 3000 psig choke manifold with 2" adjustable and 2" positive chokes, and pressure gauge.

### 4. Casing and Cementing Program:

Hole Size	<u>Interval</u>	Csg Size	Wt, Grd, Jt
12-1/4"	0-300'	8-5/8"	24#, J-55, STC
7-7/8"	0-2050'	5-1/2"	17#. J-55, LTC

Surface Casing will be cemented with 210 sx (248 cu ft) class B w/3% CaCl and 1/4#/sx of celloflake (Yield = 1.18 cuft/sx, Weight = 15.6 #/gal). Cement volumes include excess to circulate cement to surface. A guide shoe, insert float and three (3) centralizers will be used. WOC time is 8 hours. The casing will be pressure tested to 1500 psig.

Production Casing: Lead cement will be 185sx 65/35 poz with 6% gel, 2% CaCl and 1/4#/sx celloflake (Yield = 1.92 cuft/sx, Weight = 12.6#/gal). Tail cement will be 165 sx Class B containing 2% CaCl and 1/4#/sx celloflake (Yield = 1.18 cuft/sx, Weight = 15.6 #/gal). Total cement = 545 cuft. Cement volume includes excess to circulate cement to surface. In the event cement is not circulated a temperature survey will be run to determine the actual cement top, as required. Cementing equipment will include a guide shoe, float collar and 10 centralizers. Class G or H cement may be used depending on availability of Class B.

#### 5. Mud Program:

A native water based mud system (FW) will be used initially followed by a low-solids, non-dispersed gel system (LSND) to condition the hole for logs. Adequate amounts of lost circulation and weighting material will be on location if needed as well as sorbitive agents to handle potential spills of fuel or lubricants.

<u>Depth</u>	Type	Wt (ppg)	Vis (sec)	Wtr loss
0-300'	FW	± 8.5	30-33	NC
300'-TD	LSND	$\pm 8.7 - 9.5$	30-50	8-10 cc

# Eight Point Drilling Program - Candelaria 29-10-22 #3 Page 3

# 6. Testing, Coring and Logging Program:

No DST's or cores are planned. Openhole logs will include GR, Induction, Density and Caliper Logs. The GR-Density logs will be run from TD to the top of the Fruitland formation. GR-Induction-Caliper logs will be run from TD to the bottom of the surface casing.

# 7. Anticipated Abnormal Pressures and Temperatures:

No abnormal pressures or temperatures are expected in this well. Maximum anticipated Fruitland reservoir pressure is 1200 psig with a normal temperature gradient.

### 8. Operations:

Anticipated spud date is February 1, 2005, or as soon as permits are received and work can be scheduled. Estimated drilling time is 7 days. The Fruitland will be completed as a cased hole completion, perforated and hydraulically fracture stimulated. Completion operations are expected to take 7-10 days and will commence as soon after completion of drilling operations and scheduling allow.

