Please Process as an APD-ROW

Form 3160-3 (September 301)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.

NMSF - 07813	8
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4. Location of Well (Report location clearly and in accordance with any State requirements. At surface SESE: 675 FSL 1025 FEL Lat 36° 47'33° Long. 108° 0'135° At proposed prod. zone same 14. Distance in miles and direction from nearest town or post office* 2½ miles south, southwest of Aztec, NM 15. Distance from proposed* location to nearest property or lease line, (Also to nearest mell, drilling, completed, goo ft. to San Juan Res. of applied for, on this lease, 11. CO, Inc. Kaempf #1E 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 30 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form: 4. Bond to cover the operations unless covered by an existing bond on file (state) and the appropriate Forest Service Office). Name (PrintedTyped) Name (PrintedTyped) Date Office 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 the applican	APPLICATION FOR PERMIT TO DR	ILL OR REENTER	6. If Indian, Allottee or Tribe Name
10. Type of Well: X Gas Well Other X Single Zoge, Description Floors, yields 19 #3 2. Name of Operator Energy Resources Corporation, an Energen Company 3a. Address 3b. Phone No. Inciding area code/OC7 40. Policy Gas and Fruittand Coal 11. Description of Well (Report location clearly and in accordance with any State requirements) 4. Location of Well (Report location clearly and in accordance with any State requirements) 4. Location of Well (Report location clearly and in accordance with any State requirements) 4. Distance in miles and direction from nearest town or post office* 224. Tilles south, southwest of Aztec, NM 4. Distance in miles and direction from nearest town or post office* 225. Tilles and the state of the state			
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	Conditions of approval, if any, are attached.		

*(Instructions on reverse)

MMOCD

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

PO Box 1980, Hobbs NM 88241-1980 District JI

PO Drawer KK, Artesia, NM 87211-0719

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994

Revised February 21, 1994
Instructions on back
propriate District Office

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

State Lease - 4 Copies Fee Lease - 3 Copies

SEP 0 9 2004

AMENDED REPORT

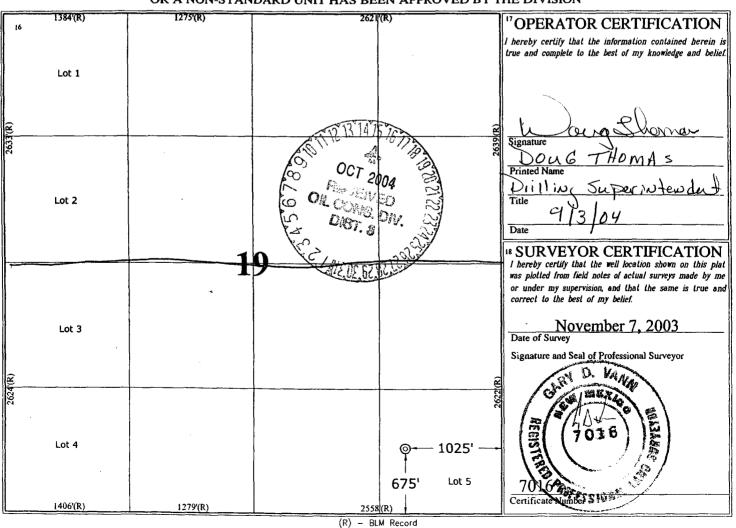
Bureau of Land Management
Farmington Field Office
FELL LOCATION AND ACREAGE DEDICATION PLAT

		WE	LL LO	CATION	AND ACR	EAGE DEDIC	ATION PLA	AT ME	
30-04	API Number	2574	7	Pool Code	1	Basi	il Frui	name Flavb C	pa [
Property	Code				5 Property	Name			Well Number
300406 Flora Vista 19						•	#3		
OORID					⁸ Operator	r Name			⁹ Elevation
142928 ENERGEN RESOURCES CORPORATION						5699			
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
P (Lot 5)	19	30 N	11 W		675	SOUTH	1025	EAST	SAN JUAN
			II Bott	om Hole	I contion If	Different From	n Surface		

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

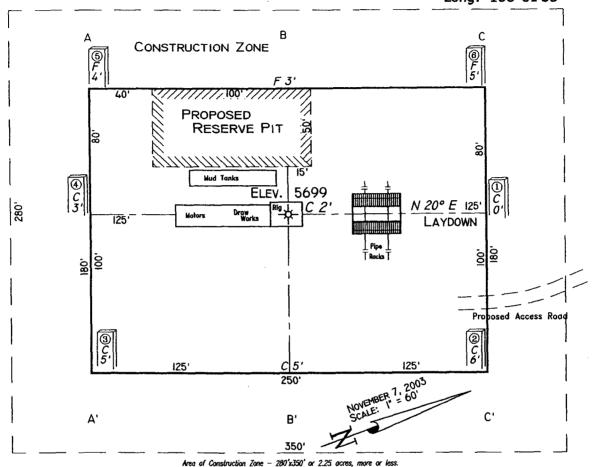
Dedicated Acres Doint or Infill Consolidation Code Double Order No.

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

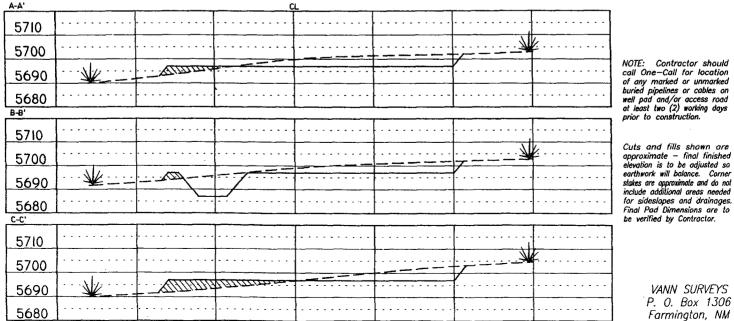


ENERGEN RESOURCES CORPORATION Flora Vista 19 #3 675' F/SL 1025' F/EL SEC. 19, T30N, R11W, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO

Lat: 36°47'33" Long: 108°01'35"



SCALE: I"=60'-HORIZ.



P. O. Box 1306

Energen Resources Corporation 2198 Bloomfield Highway Farmington, New Mexico 87401 (505) 326-6191

Flora Vista 19 #3 SESE (Lot 5) Sec 19-T30N-R11W 675' FSL & 1025' FEL San Juan County, New Mexico

EIGHT POINT DRILLING PROGRAM

1. Estimated Formation Tops:

Ojo Alamo	700'
Kirtland	850'
Fruitland Coal	1800'
Pictured Cliffs	2000'
Total Depth	2150'

2. Estimated Depth of Anticipated Minerals:

Fruitland (Gas) 1850'

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 – Flora Vista 19#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"	0-2150'	5-1/2"	15.5#. 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>	<u>Type</u>	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 – Flora Vista 19#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, 2004 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.

