Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0136 Expires: November 30, 2000

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Sec. 2198 Bloamfield Highway Farmington, NN 87401 State and file of the second of the season	1b. Type of Well Oil Well X Gas Well Other	X s	ingle Zone Multiple Zone	e 7.	Unit or CA Agreen	nent Name and No.	
3. Address 30. Phono No. (include area code) 3. Phono No. (include area code)	•			8.	Lease Name and W	Vell No.	
219. Bloomfield Highway Farmington, NM 87401 4. Location of Well (Report location clearly and in accordance with any State equirements)* 4. Location of Well (Report location clearly and in accordance with any State equirements)* 4. Statiscae (Sec. 23, 127N, R03M, N.M.P.N. 10, related and Pool, or Exploratory Blanco Messavered 11, Sec., T. R. M., or Blk and Survey or Aret Sec. 23, 127N, R03M, N.M.P.N. 4. Distance in miles and direction from nearest town or post office* 19.5 miles northwest of Lindrith, New Mexico 19.5 miles northwest of Lindrith, New Mexico 10. County or Parish 11. State R10 Arriba NM 15. Distance from proposed location* 16. No. of Acres in lease 17. Spacing Unit dedicated to this well property or lease line, fit. (Also to nearest drg, unit line, if any) 48. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. on file 19. Proposed Depth 21. Elevations (Show whether DF, KDB, RT, GL, etc. 7218' GL 22. Approximate date work will start* 23. Estimated duration Feb 04 10 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 (see Item 20 above). 5. Operation of the State of State			2h Dhone No. (include area co.	do	Jicarilla 94	<u>50</u> 3/95	
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District I PO Box 1980, Hobbs, NM 88241-1980

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

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

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
t to Appropriate District Office

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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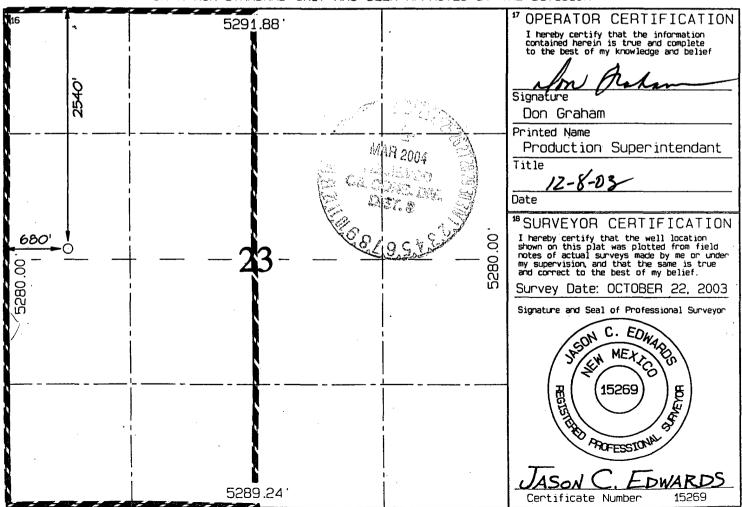
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

A.	PI Numbe	٢	Pool Code Pool Name							
30-03	39-7	7671	'	72319		BLANCO MESAVERDE				
*Property	Code				*Propert	*Property Name *Well Number				
2193	37		JICARILLA 94 5C						5C	
'OGRID N	ю.	*Operator Name						*E	*Elevation	
16292	8		ENERGEN RESOURCES CORPORATION 7218					7218'		
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	
1				ľ		LIGOTIL			l pro	

Ε 23 27N ЗW 2540 NORTH 680 WEST ARRIBA ¹¹Bottom Hole Location Different From Surface UL or lot no. Section Township Range Feet from the North/South line Feet from the Fast/West line County ¹² Dedicated Acres ¹³Joint or Infill ⁴ Consolidation Code ¹⁵ Order No. 320.0 Acres - (W/2)

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. 02

OPERATIONS PLAN

WELL NAME: Jicarilla 94 #5C

I.OCATION: 2540' FNL, 680' FWL, Section 23, T27N, R3W, Rio Arriba, New Mexico

FIELD: Blanco Mesaverde

ELEVATION: 7218'

J-55

FORMATION	TOPS:	Anticipated W/O/G Zone			Anticipated W/O/G Zone
Surface	San Jose		HuerfanitoBenonite	4456	
Nacimiento	2345		Cliff House	5705	Water, Oil & Gas
Ojo Alamo	3480	Water	Menefee	5780	Water, Oil & Gas
Kirtland	3635		Point Lookout	6065	Water, Oil & Gas
Fruitland	3735	Water & Gas	Mancos Shale	6325	· .
Pictured Cliffs	3925	Water, Oil & Gas			
Lewis	4125	Water & Gas	Total Depth	6515	

LOGGING PROGRAM:

Open Hole Logs:

Surface to intermediate: None

Inter TD to total depth; GR/Tcmp/HRI; GR/Spcc Den/Dual Spaced Neutron

Mud Logs:

None

Coring:

None

Natural Gauges:

Every 500' from intermediate TD to total depth

Fresh water low solids mud from surface to intermediate TD (9.0 - 9.2 PPG). MUD PROGRAM: Air/mist from intermediate easing point to total depth.

CASING PROGRAM:

HOLE SIZE	<u>DEPTH</u>	CSG SIZE	$\underline{\mathbf{WT.}}$	GRADE
12-1/4"	200'	9-5/8"	32.3#	11-40 ST&C
8-3/4"	4325'	7"	20 & 23#	J-55 ST&C
6-1/4"	4175'-6515'	4-1/2"	10.5#	J-55 ST&C

TUBING PROGRAM:

6450' 2 3/8 4.7#

WELLHEAD: 11" 3000 x 9 5/8" casing head. 11" 3000 x 7 1/16" 3000 xmas tree.

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 sxs Class B Cement with 1/4" Flocele/sx 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 with centralizers on the first three joints.

7" intermediate easing - cement with 575 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. (1235 cu. Ft. of slurry, 90% excess to circulate to surface). WOC 12 hrs. If cement does not circulate, run temperature survey in 8 hrs. to determine TOC. Test easing to 1200 psi for 30 minutes.

Cement nose guide shoe on bottom with a self-fill insert float valve on top of shoe joint. 8 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 335 sks 50/50 poz with 2% gel, 5 PPS gilsonite, .4% halad - 9 and 1/4# flocele/sk (427 cu. Ft., 90% excess to intermediate casing). WOC 18 hrs prior to completion.

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

OTHER INFORMATION:

- 1) The Blanco Mesaverde completed.
- 2) No abnormal temperatures or pressures are anticipated.
- 3) Anticipated pore pressure for the Mesa Verde is 800, Pictured Cliffs is 600 and the Fruitland 500 psi.
- 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) No H2S is anticipated during or in the drilling, completion, or production of this well.