Form 3160-3	UNITED STATES					1	FORM APPROVED			
(August 1999)	DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT			, pagasa galang	OMB NO. 1004-0136 Expires: November 30, 2000					
D	BUREAU OF LAND MANAGEMENT RECEIVED					/HI)	Expires:	November :	30, 2000	
d	APPLICAT	TION FOR PER	MIT TO DRILL	OD E	PERMITED	, 5	5. Lease Serial No.			
U To a way i	- III Dien	TONTORTER	WIII TO DRILL	OKI			SE-079011			
la. Type of Work	X	DRILL	REENT	ER	7002 DEC 20	M Ze	6. H Indian, Allotee	or Tribe N	ame	
1b. Type of Well	Oil Well X Gas Well Other X Single Zone O Autiple Zone				ton, P	Nyit or CA Agreement Name and No. San Juan 32-5 Unit				
2. Name of Operato						8	Lease Name and	Well No.		
Energen Resou	rces corpor	ation	·		3b. Phone No. (include area coo	10)	San Juan 32	-5 Unit	1055	
/ 2198 Bloomfie	1d Highway	Farmington,	New Mexico 8	27401	(505)425 6000	9	API Well No.	039-	2726	
4. Location of Well (Report location clearly and in accordance with any State equirements)* At surface 1670' FSL, 1340' FEL - NESE						€5.}\f0	O.Field and Pool, or Exploratory Basin Fruitland Coal			
/	70 FSE, 13	340 FEL -	NESE		MAY OF	1	Basin Fruit	land Co	al Summer American	
At proposed prod.	zone				MAY 2003	1	11\Sec., T., R., M., or Blk. and Survey or Are			
14. Distance in miles ar	nd direction from	pageout town or no	*				ISec.25, T32N, R06W, N.M.P.M			
		•		_		100	.County or Parish	13. Stat	te	
Distance from pro		16 miles nor	theast of Gob				<u>io Arriba</u>	NM NM		
location to neares		•		16. N	lo. of Acres in lease	17. Spaci	ng Unit dedicated t	o this well		
property or lease 1 (Also to nearest d		1340 _{y)}			1480		320	EL		
18. Distance from proposed location* to nearest well, drilling, completed,			19.P	roposed Depth	20.BLM	BLM/BIA Bond No. on file				
applied for, on this	s lease, ft.	50		22461						
		_			3346'					
21. Elevations (Show v	whether DF, KDB	RT, GL, etc.		22.A	Approximate date work will start	*	23. Estimated du	ration		
6511' GL				05/2003			10 days			
procedural	Is subject to tec review pursuant	t to 43 CFR 3165 3	24	i. Atta	chments		SOUTH OREDATI	ONS AUTH	ORIZED ARE	
The following, comple	pursuant to 43 (CFR 3165 4	ents of Onchore Oil	and God	Order No. 1, shall be attached	4 - 41 / 6	SUBJECT TO COMP	EMENTS".		
			ones of Olishore Oli i	anu Gas	Order No. 1, shall be attached	to this for	HARLING MEAN			
1. Well plat certified	by a registered su	irveyor.			4. Bond to cover the operation	ns unless	covered by an exis	ting bond c	on file (see	
2. A Drilling Plan	n (if the leastion	in an Minter of the			Item 20 above).				`	
 A Surface Use Pla SUPO shall be file 	d with the approp	is on National Fore oriate Forest Servic	st System Lands, the	•	5. Operator certification.					
	- ······ ····· ···· ···· ··· ···	mate i orest servic	conice).		Such other site specific info authorized officer.	ormation :	and/or plans as may	be require	d by the	
25. Signuature										
23. Signuature	d	()	N	ame (P	rinted/Typed)		Date			
	Source -	tonas	[oug -	Thomas			12/2	20/02	
Title							<u></u>			
Drilling & (Completion F	Foreman								
Approved by (Signautre			IN	ame (P	rinted/Typed)					
610	•		["	unio (1	inica Typea)		Date	MAY 1	6 2003	
Title	J. Mankie	Swic z				-				
Title	*		0	ffice						
				_						
Application approval de conduct operations ther	oes not warrant o	or certify that the	applicant holds legal	or equ	itable title to those rights in the	e subject	lease which would	entitle the	applicant to	
Conditions of approval,									11	
Title 18 U.S.C. Section States any false, fictition	1001 and Title 4: as or fraudulent st	3 U.S.C. Section 1: tatements or repres	212, make it a crime entations as to any r	for any natter v	person knowlingly and willfully vithin its jurisdiction.	to make	to any department	or agency	of the United	
										
*(Instructions on Rever.	se)									

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

District II RO 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

2601

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

6.8

AMENDED REPORT

PU BUX 2006, Saila Fe	. 144 07304 2000								
	WELL	LOCAT]	A DNA NO	CREAGE DED	ICATION PL	_AT			
30-039-27265 Pool Cod 71629				Pool Name Basin Fruitland Coal					
Property Code			*Property Name SAN JUAN 32-5 UNIT				*Well Number 105S		
'OGRID No. 162928 ENERGE			*Operator Name GEN RESOURCES CORPORATION				*Elevation 6511		
		3	¹⁰ Surface	Location					
I Section	32N 6W	Let Ion	Feet from the 1670	SOUTH	Feet from the 1340	East/Me E.A	ST	RIO ARRIBA	
UL or lot no. Section	11 Bottom	Hole L	ocation I		From Surf				
Section Section	·	Cot 15h	Feet from the	North/South line	Feet from the	East/we	st live	County	
¹² Deducated Acres).O Acres - (E	/2)	Sount or Infill	¹⁴ Corsolidation Code	⁸⁵ Onder No.				
NO ALLOWABLE V	VILL BE ASSIGNE OR A NON-S	D TO THI	S COMPLETI UNIT HAS BE	ON UNTIL ALL	INTERESTS H BY THE DIVI	AVE BE	EN CON	SOLIDATED	
2648.58°	8.68	25 -	2656 9 MAY 2	6.50°	Signature Don G Printed Product Title Surve Som on the survey of t	raham Name Ction YOR (ertify that his plat is ctual survey and to the little of my and lit	SUPERTIFE the well was plotted that the spect of my	TICATION I location of from field by me or under ane is true	
	1		360'	1340'	K '		EDWAR	onal Surveyor	

1670

5415.96

2668.38

PEGISTORIA PROFESSIONA

Certificate Number

OPERATIONS PLAN

WELL NAME: San Juan 32-5 #105S

LOCATION: 1670' FSL, 1340' FEL, Section 25, T32N, R6W, Rio Arriba County, NM

FIELD: Basin Fruitland Coal

ELEVATION: 6511' GL

FORMATION TOPS:

Surface	San Jose
Nacimiento	1160
Ojo Alamo	2527
Kirtland	2650
Fruitland	3051 ,

Fotal Depth

3346

LOGGING PROGRAM:

Open Hole Logs:

Surface to intermediate: None Inter TD to total depth: None

Mud Logs:

Intermediate to total depth

Coring:

None

Natural Gauges:

Every 500' from intermediate TD to total depth

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

CASING PROGRAM:

HOLE SIZE	DEPTH	CSG SIZE	<u>WT.</u>	GRADE
12 ¼"	200'	9 5/8"		4-40 J-55-ST&C
8 3/4"	3157'	7"	20#	J-55 – ST&C
6 1/4"	3057-3346'	5 ½"	15.5#	J-55 – LT&C

TUBING PROGRAM:

3200' 2 3/8"

4.7#

J-55

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 sks Class B Cement with ¼" 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 305 sks 65/35 Class B Poz with 6% gel, 2% calcium chloride, 10% gilsonite, and ½# flocele/sk. Tail with 100 sks Class B w/2% calcium chloride, 10% gilsonite and ½# flocele/sk. (712 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.

5 1/2" liner - NO CEMENT

OTHER INFORMATION:

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