UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	Type of Work	5. Lease Number
	DRILL —	SF-0f/7282 Unit Reporting Number (270)
b.	Type of Well GAS	6. If Indian, All. or Tribe
•	Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name
•	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499	8. Farm or Lease Name Grenier A
	(505) 326-9700	9. Well Number #8A
•	Location of Well 1040'FNL, 660'FWL	10. Field, Pool, Wildcat WC:30N10W35B Chacra/ Blanco Mesaverde
	Latitude 36° 46.4, Longitude 107°	11. Sec., Twn, Rge, Mer. (NMPM) D Sec.35, T-30-N, R-10-W API # 30-045- 30326
4.	Distance in Miles from Nearest Town 5 miles from Blanco	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Propert	ty or Lease Line
16.	Acres in Lease	17. Acres Assigned to Well CH: NW/158.42 MV: W/317.18
18.	Distance from Proposed Location to Nearest Well, E	
19.	Proposed Depth procedural review pursuant to 6 and appeal pursuant to 43 GFR	20. Rotary or Cable Tools
21.	Elevations (DF, FT, GR, Etc.) 6153' GL ~	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED / SUBJECT TO COMPLIANCE WITH ATTA "GENERAL REQUIREMENTS".
24.	Authorized by: Regulatory/Compliance Su	g-/-00 Date
PERM	літ NO	APPROVAL DATE 4

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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 presentations as to any matter within its jurisdiction.

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

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back

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

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

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

OIL CONSERVATION DIVISION PO Box 2088 1: 22 Santa Fe, NM 87504-2088

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

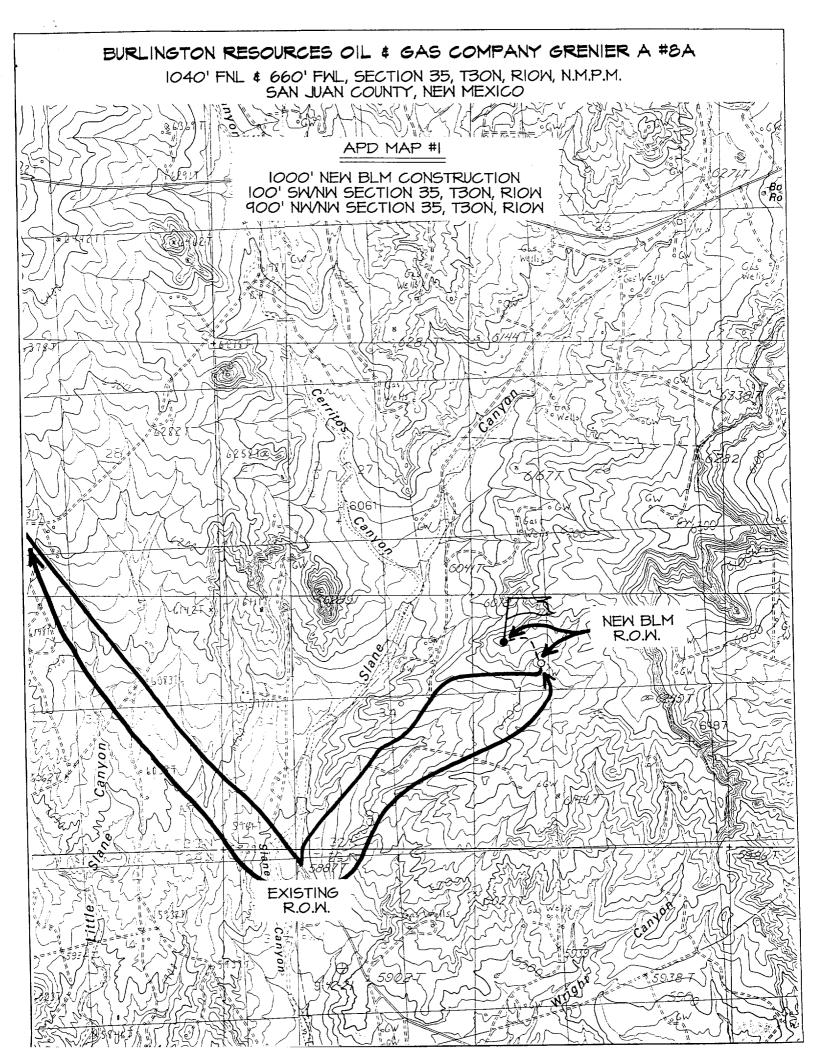
070 Frankick Chillin

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number				*Pool Code		otero		1 Name		
30-045- <i>30376</i>			8232	2329 /72319 <u>WC:30N10W35D</u> Chacra/Blanco				rde 11 Number		
	*Property Code			'Property Name GRENIER A				84		
'OGRID N	18531 'OGRID No.			'Operator Name INGTON RESOURCES OIL & GAS COMPÀNY			*Elevation 6153>			
14538			BOHLI				- GUNFA	141		
						_ocation				To the
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from		Mest li∩e	County
D	35	30N	10W		1040	NORTH	660		EST 	SAN JUAN
		11 8	ottom	Hole L	ocation If	f Different	From !	Surface		
UL or lat no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from	the East/	West line	County
	Degicated Acres CH: NW/158.42 Doint or Infill Consolidation Code Che 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										
16			5	221.92	•					IFICATION on contained herein is y knowledge and belief

NO ALLOWABLE WIL	OR A NON-STAND	O THIS COMPLETION DARD UNIT HAS BEE	N ONTIL ALL IN EN APPROVED BY	THE DIVISION
16	5221 	92'		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
040 LOT 4	LOT 3	LOT 2	LOT 1	
LAT: 36 °4 660' LONG: 107	6.4 'N 51.6 'W	- 14 all	<u> 789), </u>	Jean Cale
USA SF-	i 1	DEO	2000	Signature (Peggy Cole Printed Name
LOT 5	LOT 6	LOF 7	1.01 8	Regulatory Supervisor Title
77.36	===3	5	1.22	Date Date Date Date
in Cu			LOT 9	I hereby certify that the well location shown on this pla was plotted from field notes of actual surveys made by and or under my supervision, and that the same is true and correct to the best of my belief.
LOT 12	LOT 11	LOT 10		MAY 30, 2000
USA NªM				Date of Survey EDIMAYS
LOT 13	LOT 14	LOT 15	LOT 16	6857
	52	45.68		Certificate Numbers 6857



OPERATIONS PLAN

Well Name:

Grenier A #8A

Surface Location:

1040'FNL, 660'FWL, Section 35, T-30-N, R-10-W

San Juan County, New Mexico

Latitude 360 46.4, Longitude 1070 51.6

Formation:

WC:30N10W35D Chacra/Blanco Mesaverde

6153' GL Elevation:

Formation Tops:	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
		12001	a mui for
Surface	San Jose	1390'	aquifer
Ojo Alamo	1390′	1540′	aquifer
Kirtland	1540′	2084′	gas
Fruitland	2084′	2695'	gas
Intermediate TD	2184'		
Pictured Cliffs	2695'	2839'	gas
Lewis	2839′	3415′	gas
Mesa Verde	3415'	3687'	gas
Chacra	3687′	4324'	gas
Massive Cliff House	4324'	4441'	gas
Menefee	4441'	4933'	gas
Point Lookout	4933'	5333′	gas
Total Depth	5333′		

Logging Program:

Cased hole logging - Gamma Ray, Cement bond from surface to TD Open hole logging - Array Induction, Temp, Neutron-Density - TD to intermediate

Mud Logs/Coring/DST - none

Mud Program:

Interval <u>- M</u>	D <u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200- 2184'	LSND	8.4-9.0	30-60	no control
2184- 5333'	Air/Mist	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program (as listed, the equivalent, or better):

M	ے	a	ď	11	r	۵	đ
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Hole Size	<u>Depth</u>	<u>Csq Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 80'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2184'	7 "	20.0#	J-55
6 1/4"	2084' - 5333'	4 1/2"	10.5#	J-55

<u>Tubing Program:</u> 0' -5333' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

BOP Specifications, Wellhead and Tests (cont'd):

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 2 3/8" x 2000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing - cement with 64 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (75 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead w/182 sx Class "B" w/3% sodium metasilicate, 5# gilsonite/sx and 0.5# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% gel, 2% calcium chloride, 5# gilsonite/sx and 0.25# flocele/sx (656 cu.ft. of slurry, 100% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 1984'. First stage: cement with 48 sx Class "B" 50/50 poz cmt with 2% gel, 2% calcium chloride, 5 pps gilsonite, 0.25 pps flocele. Second stage: 204 sx Class "B" with 3% sodium metasilicate, 0.5 pps Flocele, 5 pps Gilsonite (656 cu.ft., 100% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 1540'. Two turbolating centralizers at the base of the Ojo Alamo at 1540'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to circulate liner top. Pump 394 sx 50/50 Class "B" Poz w/1/4# flocele/sx, 2% gel, 0.1% retardant, 5# gilsonite/sx and 0.4% fluid loss additive (500 cu.ft., 50% excess to circulate liner top). WOC a minimum of 18 hrs prior to completing.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

 If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Chacra/Mesaverde formations will be completed and dualled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 800 psi Pictured Cliffs 800 psi Mesa Verde 700 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The northwest quarter of Section 35 is dedicated to the Chacra and the west half of Section 35 is dedicated to the Mesa Verde.
- This gas is dedicated.

Loolis C. White	8/2/00	
Drilling Engineer	Date	,