# **UNÍTED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

ia.	Type of Work	5. Lease Number
	DRILL	SF-078499A
		Unit Reporting Number
1b.	Type of Well	6. If Indian, All. or Tribe
	GAS	5. A <b></b>
2.	Operator	7. Unit Agreement Name
	BURLINGTON	
	RESOURCES Oil & Gas Company	700
3.	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87	Hardie E
	(505) 306 0700	Well Number
	(505) 326-9700 C	216
4.	Location of Well	16 Field, Pool, Wildcat
	1785' FSL, 1670' FEL	Otero Chacra/
		Blanco MV/Basin DK 1. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 40.4, Longitude 107° 41	Sec. 9, T-28-N, R-8
		API # 30-045- 30 90 5
14.	Distance in Miles from Nearest Town	12. County 13. State
14.	13 miles from Blanco	San Juan NM
15.	Distance from Proposed Location to Nearest Prope	rty or Lease Line
16.	1670' Acres in Lease	,17. Acres Assigned to Well
10.	UAISS III BARAS	Cha-148.59, MV-297.8
18.	Distance from Proposed Location to Nearest Well,	Orlg, Compl, or Applied for on this Lease
	11007	<u> </u>
	This action is subject to tech procedural review pursuant to	nical and 143 CFR 3165.3 20. Rotary or Cable Tools
4.6	Proposed Depth and appeal appe	20. Rotary or Cable Tools
19.	7395/ min appear pursuant to 43 CI	K 3165.4. Potary
19.	7395' and appeal pursuant to 43 Cl	R 3165.4, Rotary
19. 21.	Elevations (DF, FT, GR, Etc.)	R 3165.4 Rotary  22. Approx. Date Work will Start
	7395'	n 3165.4 <sub>g</sub> Rotary
	Elevations (DF, FT, GR, Etc.) 6383' GR  Proposed Casing and Cementing Program	Rotary  22. Approx. Date Work will Start
21.	Elevations (DF, FT, GR, Etc.) 6383' GR	22. Approx. Date Work will Start  ORILLING OPERATIONS AUTHORIZE
21.	Elevations (DF, FT, GR, Etc.) 6383' GR  Proposed Casing and Cementing Program	22. Approx. Date Work will Start  ORILLING OPERATIONS AUTHORIZE SUBJECT TO COMPLIANCE WITH AS
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21.	Elevations (DF, FT, GR, Etc.) 6383' GR  Proposed Casing and Cementing Program See Operations Plan attached	22. Approx. Date Work will Start  ORILLING OPERATIONS AUTHORIZE SUBJECT TO COMPLIANCE WITH AT "GENERAL REQUIREMENTS"  10 - 31-01
21.	Elevations (DF, FT, GR, Etc.) 6383' GR  Proposed Casing and Cementing Program See Operations Plan attached  Authorized by:	22. Approx. Date Work will Start  ORILLING OPERATIONS AUTHORIZE SUBJECT TO COMPLIANCE WITH AT "GENERAL REQUIREMENTS"  10 - 31-01
23.	Elevations (DF, FT, GR, Etc.) 6383' GR  Proposed Casing and Cementing Program See Operations Plan attached  Authorized by: Regulatory/Compliance Su	22. Approx. Date Work will Start  ORILLING OPERATIONS AUTHORIZE SUBJECT TO COMPLIANCE WITH AT "GENERAL REQUIREMENTS"  // - 3/-0/ Date
21. 23. 24.	Elevations (DF, FT, GR, Etc.) 6383' GR  Proposed Casing and Cementing Program See Operations Plan attached  Authorized by: Regulatory/Compliance Su	22. Approx. Date Work will Start  ORILLING OPERATIONS AUTHORIZE SUBJECT TO COMPLIANCE WITH AT "GENERAL REQUIREMENTS"  10 - 31-01

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.

PU BOX 1980, HODDS, NM 88241-1980

District"II PO 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

Energy, Minerals & Natural Resources Department

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

Revised February 21, 1994 Instructions on back

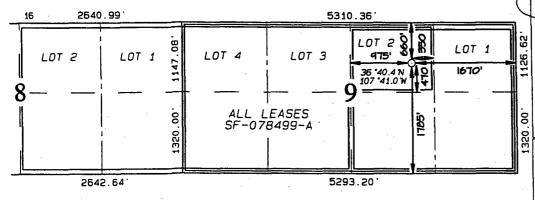
Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number			*Pool Code		³Pool Name					
30-045-30905 72319/82329				B1	Blanco Mesaverde/Otero Chacra					
'Property Code				*Property Name				6	*Well Number	
7089	089 HARDIE E					2.0				
'OGRID No.				*Operator Name					*Elevation	
14538	BURLINGTON RESOURCES OIL & GAS COMPANY LP						6383			
<sup>10</sup> Surface Location										
UL or lot no.	Section	Township	Range	Lat Idn	Feet from the	1	lorth/South line	Feet from the	East/West line	County
J	9	28N	BW		1785		SOUTH	1670	EAST	SAN JUAN
<sup>11</sup> Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the		North/South line	Feet from the	East/West line	County
					•					
Dedicated Acres Cha-SE/	2 Dedicated Acres Cha-SE/148.59									
MV-S/297							·	L		

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

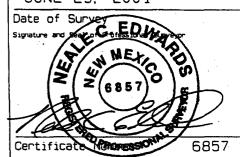


Peggy Cole Printed Name Regulatory Supervisor Title Date

17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and compolete to the best of my knowledge and belief

18 SURVEYOR CERTIFICATION. I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

JUNE 29. 2001



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Sundry Notices and Reports on Wells 2Lease Number NMSF-078499A 2003 APR 17 1. Type of Well If Indian, All. or 6. GAS 070 Farmington, MADe Name Unit Agreement Name Name of Operator BURLINGTON RESCURCES OIL & GAS COMPANY LP Well Name & Number 3. Address & Phone No. of Operator Hardie E #2C PO Box 4289, Farmington, NM 87499 (505) 326-9700 API Well No. 30-045-30905 4. Location of Well, Footage, Sec., T, R, M 10. Field and Pool 1785'FSL, 1670'FEL, Sec.9, T-28-N, R-8-W, NMPM Otero Cha/Blanco MV 11. County and State San Juan Co, NM 12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission Type of Action \_X\_ Notice of Intent \_X\_ Change of Plans Abandonment \_\_\_ New Construction Recompletion \_\_\_\_ Non-Routine Fracturing Subsequent Report Plugging Back \_ Water Shut off Casing Repair Altering Casing \_ Final Abandonment \_ Conversion to Injection X Other -13. Describe Proposed or Completed Operations It is intended to change the name of the subject well to the Hardie E #2C from the Hardie E #2B. Please reinstate our Application for Permit to Drill, Deepen or Plug Back. It is our intention to complete this well in the Chacra and Mesaverde formations only. Attached are a new C-102 plat, Operations Plan, Blow out Preventer Diagram and Production facilities diagram for the Chacra and Mesaverde formations. 14. I hereby certify that the foregoing is true and correct. Signed (EG3) Title Regulatory Supervisor Date 4/15/03 (This space for Federal or State Office use) APPROVED BY Title CONDITION OF APPROVAL if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### OPERATIONS PLAN

Well Name: Hardie E #2C

Location: 1785'FSL, 1670' FEL, Section 9, T-28-N, R-8-W

San Juan County, New Mexico

Latitude 36° 40.4, Longitude 107° 41.0

Formation: Otero Chacra/Blanco Mesa Verde

Elevation: 6383'GL

Formation Tops:	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Grando do	Com . To	1875 <b>′</b>	
Surface	San Jose		
Ojo Alamo	1875 <b>'</b>	2015'	aquifer
Kirtland	2015 <b>′</b>	2570'	
Fruitland	2570'	2865'	gas
Pictured Cliffs	2865'	3005'	gas
Lewis	3005 <b>′</b>	3465 <b>′</b>	gas
Intermediate TD	3255'	•	
Huerfanito Bentonite	3465 <b>'</b>	3825 <b>'</b>	gas
Chacra	3825'	4530'	gas
Massive Cliff House	4530 <b>′</b>	4620 <b>'</b>	gas
Menefee	4620'	5100'	gas
Point Lookout	5100'		gas
Total Depth	י 5500	•	

## Logging Program:

Mud logs - none Coring - none DST - none Open hole - none

Cased hole - Gamma Ray, CCL, CBL - surface to TD

#### Mud Program:

Interval- MD	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120- 3255'	LSND	8.4-9.0	30-60	no control
<b>3255-</b> 5500'	Air/Mist/N2*	n/a	n/a	n/a

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

\*Nitrogen might be used in conjunction with or instead of air to prevent a down hole fire.

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

	Measured		•	
Hole Size	<u>Depth</u>	Csg Size	Weight	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3255 <b>'</b>	7"	20.0#	J-55
6 1/4"	3155' - 5500'	4 1/2"	10.5#	J-55

<u>Tubing Program:</u> 0' - 5500' 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.

### 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.

Completion Operations

7 1/16" 3000 psi double gate BOP stack (Reference Figure #3). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

#### Wellhead -

grant C

9 5/8" x 7" x 2 3/8" x 3000 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 drilling crew.
- All BOP tests and 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 478 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (564 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/317 sx 50/50 Class "G" TXI Liteweight cement with 2% calcium
chloride, 2.5% sodium metasilicate, 10 pps Gilsonite and 0.5 pps
Celloflake. Tail w/90 sx Class "G" 50/50 poz w/2% gel, 2% calcium
chloride, 5 pps Gilsonite, 0.25 pps Celloflake (933 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 during completion operations to determine
TOC. Test casing to 1500 psi for 30 minutes.

See attached alternative intermediate lead slurry.

7" intermediate casing alternative two stage: Stage collar 2270'. First stage: cement with w/196 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps gilsonite, 0.25 pps Celloflake. Second stage: 264 sx 50/50 Class "G"/TXI Liteweight with 2% calcium chloride, 2.5% sodium metasilicate, 10 pps Gilsonite, 0.25 pps Celloflake (933 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 2015'. Two turbolating centralizers at the base of the Ojo Alamo at 2015'. 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 cover minimum of 100' of 4 1/2" x 7" overlap. Lead with 438 sx 50/50 Class "G" Poz with 5% gel, 0.25 pps Celloflake, 5 pps Gilsonite (631 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a minimum of 18 hrs prior to completing.

Cement float shoe on bottom with float collar spaced on top of float shoe.