UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

		UNITED STATES	
,		EPARTMENT OF THE INTER	ior - Barbara B
•	BU	REAU OF LAND MANAGEM	ENT
	APPLICATION FO	R PERMIT TO DRILL, DEEPE	IOR ENT EN, OR PLUG BACK 5. Lease Number NM-03491
	Type of Work		5. Lease Number
	DRILL		NM-03491 Unit Reporting Number
b.	Type of Well		6. If Indian, All. or Tribe
	GAS	•	
	Operator		7. Unit Agreement Name
	BURLINGTON		
	RESOURCES Oil & Gas C	company	Huerfanito Unit
	Address & Phone No. of Operator		8. Farm or Lease Name
	PO Box 4289, Farmingto	on, NM 87499	Huerfanito Unit 9. Well Number
	(505) 326-9700		#23R
		<u> </u>	
. .	Location of Well	and the second second	* 10. Field, Pool, Wildcat Ballard Pictured Cliffs
	1995' FNL, 1660' FWL		Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 31.1409'N,	Longitude 107° 47.7921	W FSec. 4, T26N, R9W
			API # 30-043- 32226
4.	Distance in Miles from Nearest To 24.4 miles intersection		12. County 13. State San Juan NM
5.	Distance from Proposed Location	n to Nearest Property or Lease	Line
16.	1660' Acres in Lease		17. Acres Assigned to Well
v .	Acres III Ecuse	•	PC 161.44 NW
<u> </u>	Distance from Proposed Location	n to Nearest Well, Drig, Compl.	or Applied for on this Lease
•	975′	· · · · · · · · · · · · · · · · · · ·	
9.	Proposed Depth 2387'		20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.)		22. Approx. Date Work will Start
	6435.' GR		
3.	Proposed Casing and Cementing	Program	
•	See Operations Plan at		
		10000	2-0 01
4.	Authorized by:	Clark	<u> </u>
	Regulatory S	opecialist	Date
FRM	IT NO. Sal Frendri I Maridanin	APPROVAL I	DATE
		7	APR 2.0 200
NPR(OVED BY	TITLE	DATE
	eological Report attached	·	Compliance WRoleso

NO HPA NOTIFICATION REQUIRED UNDER ORDER R-8768F.

States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

DISTRICK I 1625 N. French Dr., Hobbs, N.M. 88240 State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South Pirst, Artesia, N.M. 88210

DISTRICT III

OIL CONSERVATION DIVISION

Submit to Appropriate District Office State Lease - 4 Copies

State Lease — 4 Copies Fee Lease — 3 Copies

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87605

1000 Rio Brazos Rd., Aztec, N.M. 87410

2040 South Pacheco Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code Pool Name		
30-0394	37776 72359	Ballard Pictured Cliffs	
⁴ Property Code			• Well Number
7138	HUE	RFANITO UNIT	23R
OGRID No.		*Operator Name	* Elevation
14538	BURLINGTON RESOUR	CES OIL AND GAS COMPANY LP	6435'

¹⁰ Surface Location UL or lot no. Section Township Range Feet from the North/South line Lot Idn Feet from the East/West line County F 4 26-N 1995' **NORTH** 1660' WEST SAN JUAN ¹¹ Bottom Hole Location If Different From Surface UL or lot no. Township Lot idn Feet from the North/South line Section Feet from the East/West line County

PD Dedicated Acres

15 Joint or Infill

16 Consolidation Code

18 Order No.

PC NW/161.44

NO ALLOWARIE WILL BE ASSIGNED TO THIS COMPLETION LINTUALL INTERESTS HAVE REEN CONSOLIDATED.

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	OR A NON-STAN	NDARD UNIT HAS B	EEN APPROVED BY	THE DIVISION
FD 2 1/2" G.L.O. BC 1947 LOT 4 \$ (X) 4 (X)	N 89-54-13 E 2621:53' (M)		LOT 1	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and beitef
0 0 7,00 1,00 1,00 1,00 1,00 1,00 1,00 1,0		00' N (NAD 07)		Signature Joni Clark
1660'	LONG: 107°47	09' N. (NAD 27) .7921' W. (NAD 27)	ିର (ମିନ୍ଦୁ	Printed Name
		1		Regulatory Specialist
FD 2 1/2"		•		Date CHIDWING CHIDWING A MYON
G.L.O. BC 1947			****	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.
				Date of Survey MEX MEX Signature and Social of Popularizabil Surveyor.
				Signature and their of Professional Surveyor.
				Certificate Number

OPERATIONS PLAN

Well Name: Huerfanito Unit #23R

Location: 1995'FNL, 1660'FWL, Section 4, T-26-N, R-9-W

San Juan County, New Mexico

Latitude 36° 31.14'N, Longitude 107° 47.79'W

Formation: Ballard Pictured Cliffs

Elevation: 6435' GL

Formation:	Тор	Bottom	Contents
Surface	San Jose	1278 ′	
Ojo Alamo	1278′	1444'	aquifer
Kirtland	1444'	2030'	gas
Fruitland Coal	2030'	2187'	gas
Pictured Cliffs	2187'	2267 ′	gas
Lewis	2267 ′		-
Total Depth	2387′		

Logging Program:

Open hole - none

cased hole - CBL-CCL-GR TD to surface

Coring Program: None

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2387'	FW	8.4-9.0	32-45	no control

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

0'-2387'

Hole Size	Depth Interval	Csg.Size	<u>Wt.</u>	Grade
8 3/4" 6 1/4"	0 - 120' 0 - 2387'	7" 4 1/2"	20.0#	
Tubing Program:				

Float Equipment: 7" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Standard centralizers run every third joint above shoe to the base of the Ojo Alamo @ 1444'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1444'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

2 3/8"

4.7# J-55

Wellhead Equipment: $7" \times 4 \frac{1}{2}" \times 2 \frac{3}{8}" 2000$ psi screw on independent wellhead.

Cementing:

7" surface casing pre-set drilled- cement with 34 sxs Type I, II w/cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (Bring cement to surface). Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

7" surface casing conventionally drilled - cement with 42 sxs Type III cement with 0.25 pps Celloflake, 3% calcium chloride. (54 cu ft-200% excess, bring cement to surface). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

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

4 1/2" production casing - Lead w/112 sx Premium Lite cement w/3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sx Type III cement w/1% calcium chloride, 0.25 pps celloflake, and 0.2% fluid loss (364 cu.ft. of slurry, 50% excess to circulate to surface).

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

BOP and tests:

Surface to TD - 7 1/16'' 2000 psi (minimum) single spherical annular BOP stack (Reference Figure #1). Prior to drilling out surface casing, test BOP and casing to 400 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test BOP and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Pictured Cliffs formation will be completed.
- * Anticipated pore pressure for the Pictured Cliffs is 500 psi.
- * This gas is dedicated.
- * NWE corner of Section 4 is dedicated to the Ballard Pictured

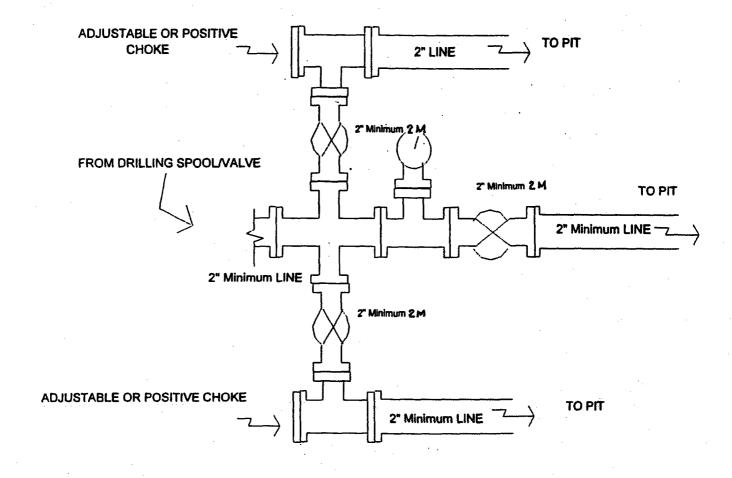
Cliffs.

Date

Date

BURLINGTON RESOURCES

Drilling Rig Choke Manifold Configuration 2000 psi System



Choke manifold installation from Surface Casing Point to Total Depth. 2,000 psi working pressure equipment with two chokes.

Drilling Kig

2000 psi BOP System

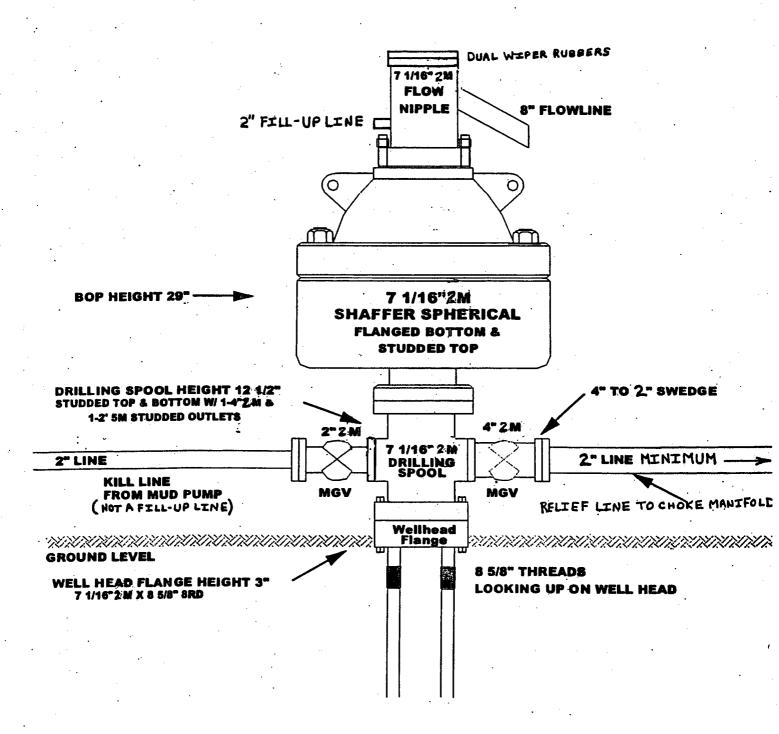
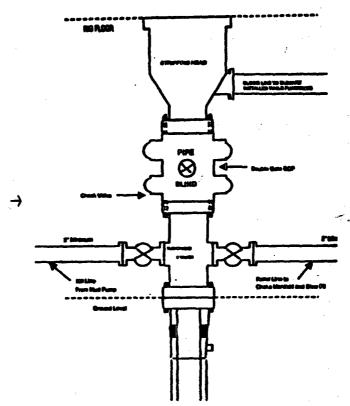


FIGURE 1

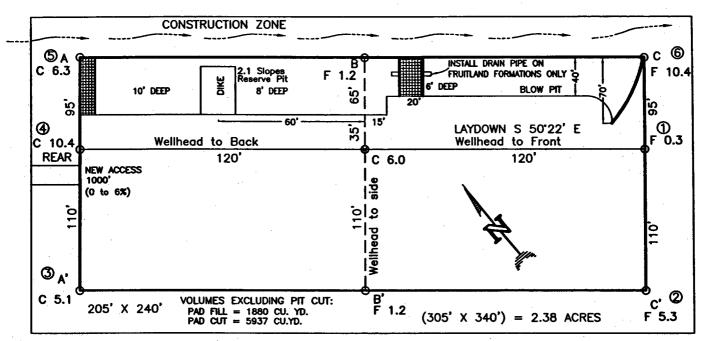
BURLINGTUN RESOURCES

Completion/Workover Rig BOP Configuration 2,000 pel System

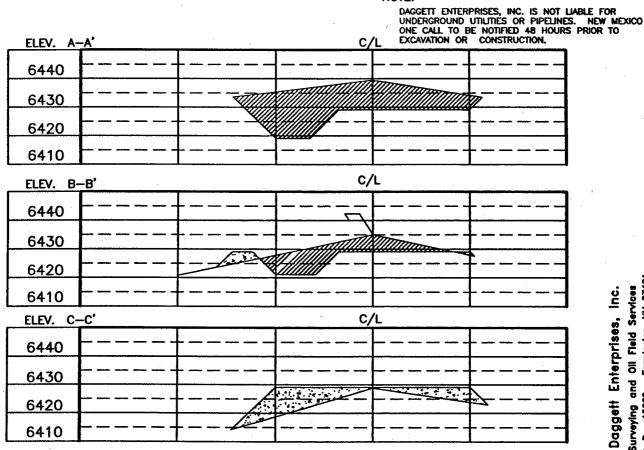


Minimum BOP installation for all Completion/Workover Operations. 7-1/16" bore, 2000 pel minimum working pressure double gate BOP to be equipped with blind and pipe rame. A stripping head to be installed on the top of the BOP. As BOP equipment is 2000 pel working pressure or greater excluding 500 pal stripping head.

Figure #2



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT. NOTE:



CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

> DRAWN BY: A.G. ROW#: BR483

CADFILE: BR483CF8

DATE: 10/31/03

1/28/04 OATE: ٥. ä LOWE. TERRY Ħ

ጟ ß REMSED REVISION:

d Oil Fleid Services Farmington, NM 87401 72 Fax (505) 326-6019 Surveying and Ol O. Box 15068 Fa • (505) 326–1772 o

Daggett Enterprises, Inc.