UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOI	47 R 75 CO 27 350	EPEN, OR PLUG BACK	
а.	Type of Work DRILL	A P	5. Lease Number SF-078103	1. 1. 1.
		2006 JUN 2006	Unit Reporting Nu	ımber
b.	Type of Well		6. If Indian, All. or Ti	ibe
	GAS	E OILC DIV.	670 7.40	and the second second
2.	Operator BURLINGTON	Selection of the select	7. Unit Agreement N	ame
	RESOURCES Oil & Gas Cor	mpany all ll book	Huerfano Uni	t
3.	Address & Phone No. of Operator		8. Farm or Lease Na	me
	PO Box 4289, Farmington,	NM 87499	9. Well Number	
	(505) 326-9700		135F	
4.	Location of Well		10. Field, Pool, Wild	cat
	Unit B (NWNE), 660' FNL, 2	285' FEL	Basin Dakota	
	Latitude 36 ⁰ 28.7442		11. Sec., Twn, Rge, M Sec. 23, T26N,	ler. (NMPM) R9W
	Longitude 1070 45.4222		_	
			BAPI# 30-045- 33	785
14.	Distance in Miles from Nearest Town	 1	12. County	13. State
	29.7 mi. Bloomfield, NM		San Juan	NM
15.	Distance from Proposed Location to 660'	Nearest Property or Lease	Line	
16.	Acres in Lease		17. Acres Assigned 320.0 ac N2	
18.	Distance from Proposed Location to 920'- Huerfano Unit #523	Nearest Well, Drlg, Compl,	or Applied for on this Lease	····
19.	Proposed Depth		20. Rotary or Cable	Tools
	6638'		Rotary	
21.	Elevations (DF, FT, GR, Etc.)		22. Approx. Date W	ork will Start
23.	Proposed Casing and Cementing Pro			
24.	Authorized by: Regulatory And	alyst		-04
	IT NO. OVED BY DIMONES OF	APPROVA	AL DATEDATE	6k31

CONTROL TO COMPANY AND ARE ACTIVED AND ACTIVE OF THE ACTIV

Threatened and Endangered Species Report attached 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 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 First, Artesia, N.M. 88210

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

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

N2 320 DK

☐ AMENDED REPORT

Pool Name 'API Number Rasin Dakota 30-045-*3378\$* Well Number *Property Code ⁶Property Name 7139

WELL LOCATION AND ACREAGE DEDICATION PLAT

135F HUERFANO UNIT OGRID No. ⁴Operator Name * Elevation 14538 BURLINGTON RESOURCES OIL AND GAS COMPANY LP 6370'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Fest from the	North/South line	Feet from the	East/West line	County
В	23	26-N	9-W		660'	NORTH	2285'	EAST	SAN JUAN
11 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 Acre	•		15 Joint or	infill	¹⁴ Consolidation C	ode	¹⁸ Order No.	<u></u>	

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

	N 89 28 285'	41' 57" W 10.28'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and better
	LAT: 36'28.7442' N. LONG: 107'45.4222' W. NAD 1927 LAT: 36'28'44.7" N. LONG: 107'45'27.5" W. NAD 1963	JSA ST. OTOLOS	Signature Amanda Sandoval Printed Name Regulatory Analyst Title 5-18-06
2	3=		Date 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.
			Signature said beer of Foldstanks Surveyor. Certificate Number 15703

Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II		WELL API NO. 30-045- 33785
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87	505	SF-078103
SUNDRY NOT	CES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
¥.	LS TO DRILL OR TO DEEPEN OR PLUG BACK TO A TON FOR PERMIT" (FORM C-101) FOR SUCH	Huerfano Unit
PROPOSALS.)	(Foldare 191) Foldate I	Therano Chit
1. Type of Well:	1	8. Well Number
Oil Well Gas Well X 2. Name of Operator	Other	9. OGRID Number
· · · · · · · · · · · · · · · · · · ·	SOURCES OIL & GAS COMPANY LP	14538
3. Address of Operator		10. Pool name or Wildcat
3401 E. 30TH ST 4. Well Location	REET, FARMINGTON, NM 87402	Basin Dakota
Unit Letter B :	660' feet from the North line and	2285' feet from the <u>East</u> line
Section 23	Township 26N Rng 9V	NMPM County San Juan
	Elevation (Show whether DR, RKB, RT, GR, etc.) 6370'	
Pit or Below-grade Tank Application	or Closure	
Pit type New Drill Depth to Ground	lwater >100' Distance from nearest fresh water well	>1000' Distance from nearest surface water >1000'
Pit Liner Thickness: N/A	mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check	Appropriate Box to Indicate Nature of No	tice, Report or Other Data
•	INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	4 · · · · · · · · · · · · · · · · · · ·	AL WORK ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	+ ⊢ 1	ICE DRILLING OPNS. P AND A CEMENT JOB
TO DEE ON METER ON ONCO	_	OCIVICIAL TOP
	Drill Pit X OTHER:	
	eted operations. (Clearly state all pertinent details, and k). SEE RULE 1103. For Multiple Completions: Atta	
or recompletion.	N, SEE NOEL 1105. 101 Manager Completions. The	on wenoore diagram or proposed completion
New Drill, Unlined:		
now Brin, Gillings.		
	construct a new drilling pit and an associated vent/flare	
	he new drilling pit and vent/flare pit will be an unlined	
	t portion will be unlined, as per the risk ranking criteria	NMOCD office. A portion of the vent/flare pit will be
	er Pit Closure Procedure dated August 2, 2004 on file t	
-	- .	
I hereby certify that the information a	bove is true and complete to the best of my knowledge	and belief. I further certify that any pit or below-
	osed according to NMOCD guidelines, a general permit	
SIGNATURE Mondo	a Candowal TITLE R	egulatory Analyst DATE 5/24/2006
Type or print name Amar	da Sandoval E-mail address: asandova	@br-inc.com Telephone No. 505-326-9891
For State Use Only		THE TOP MET /
APPPROVED BY	TITLE OF UT OIL &	gas inspector, dist. (2) Jun 2 6 2006
		DATE
Conditions of Approval (if any):		

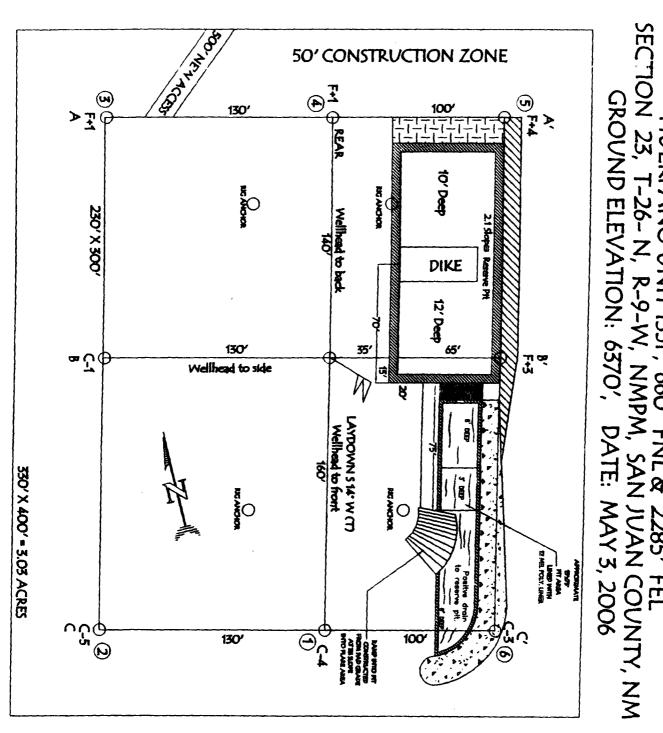
RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). BLOW PIT: OVERFLOW PIPE 4' ABOVE BOTTOM OF BLOW PIT.

36' 228.7442'N

LONGITUDE:

107

45.4222W NAD27

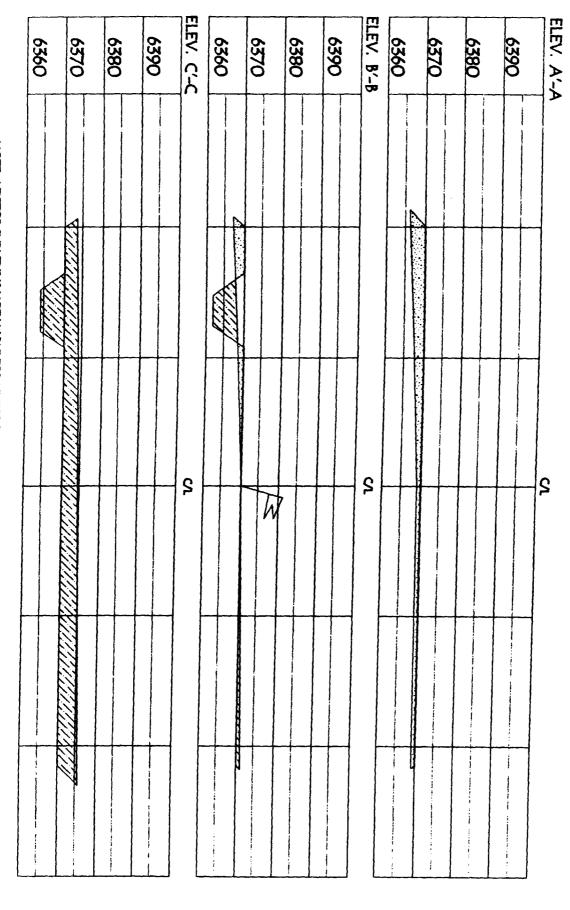


NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY LP HUERFANO UNIT 135F, 660' FNL & 2285' FEL SECTION 23, T-26- N, R-9-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6370', DATE: MAY 3, 2006



CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

OPERATIONS PLAN

Well Name: Huerfano Unit #135F

Location: 660'FNL, 2285' FEL, Section 23, T-26-N, R-9-W

San Juan County, New Mexico

Latitude 36° 28.7442', Longitude 107° 45.4222'

Formation: Basin Dakota

Elevation: 6370'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	1279 <i>'</i>	
Ojo Alamo	1279′	1347'	aquifer
Kirtland	1347'	1797'	gas
Fruitland	1797′	2022'	gas
Pictured Cliffs	2022'	2124'	gas
Lewis	2124'	2442'	
Huerfanito Bentonite	2442'		
Chacra	2902′	3594'	gas
Cliff House	3594′	3689'	gas
Menefee	3689'	4447'	gas
Point Lookout	4447'	4777 <i>'</i>	gas
Mancos	4777′	5 4 79′	
Gallup	5479'	6338′	gas
Greenhorn	6338'	6387'	gas
Graneros	6387'	6410'	gas
Two Wells	6410′	6515 <i>'</i>	gas
Paguate	6515′	6581′	gas
Cubero	6581'	6647′	gas
Encinal	6647′	6638′	gas
TD	6638′		-

Logging Program:

Mud Logs/Coring/DST -

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

Cased hole - Gamma Ray - surface to TD

Mud Program:

Interval	Туре	Weight	<u>Vis.</u>	Fluid Loss
0- 320'	Spud MUD/Air/Air Wist	8.4-9.0	40-50	no control
320'- 6638'	LSND	8.4-9.0	30-60	no control

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

Hole Size	Depth Interval	Csg.Size Wt.	Grade
12 1/4"	0' - 320'	8 5/8" 24.0#	J-55
7 7/8"	0' - 6638'	4 1/2" 10.5#	J-55

Tubing Program: 0' - 6638' 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, BOPE 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, BOPE 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 -

 $8 \ 5/8$ " x 4 $\frac{1}{2}$ " 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:

8 5/8" surface casing conventionally drilled Cement with 321 sacks Type III cement with 0.25 pps Celloflake, 3% calcium chloride.
(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 Two Stage -

Stage collar set @ 4297'. First Stage: Lead with w/258 sacks Premium Lite HS FM cmt w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1 and 1% FL-52. Second Stage: 464 sacks Premium Lite cmt w/3% calcium chloride, 0.4% metasilicate, 0.25 pps celloflake, 5 pps LCM-1 and 0.4% FL-52. (2238 cu ft - 50% excess, circulate to surface, run CBL/temperature survey if cement is not circulated to surface.)

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every fourth joint off bottom, to the base of the Ojo Alamo @ 1347'. Two turbolating centralizers at the base of the Ojo Alamo 1347'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

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

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 air/mist drilling:

- An anchored bloose 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.

Special Drilling Operations (Air/Mist Drilling):

- 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.

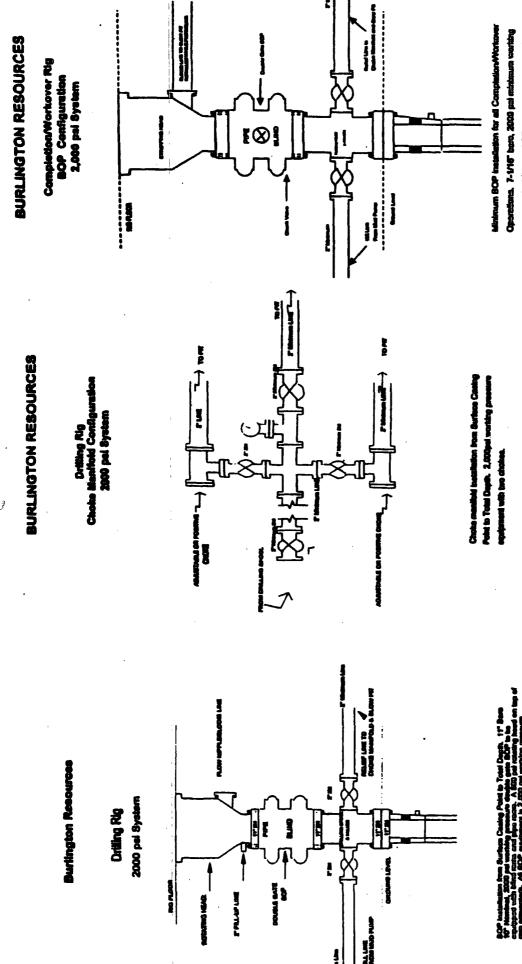
Additional Information:

- The Dakota formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 300 psi Pictured Cliffs 600 psi Mesa Verde 700 psi Dakota 2500 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 north half of Section 23 is dedicated to the Dakota formation.
- This gas is dedicated.





Miththum BOP insistiation for all Completion/Worknow Operations, 7-VMF bars, 2009 pai minimum venting presente daulité gate BOP to be equipped with blind a pipe ranns. A stripping head to be insusated on the label to be 80.P. All BOP equipment is 2000 pai working presente or greater excluding 600 pai working

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