UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a. Type of Work DRILL 1b. Type of Well GAS 2. Operator BURLINGTON RESCURCES Oil & Gas Company 3. Address & Phone No. of Operator	5. Lease Number NMSF-078388 Unit Reporting Number NMNM-078396 6. If Indian, All. or Tribe T. Unit Agreement Name Huerfanito Unit 8. Farm or Lease Name 9. Well Number
1b. Type of Well GAS 2. Operator BURLINGTON RESCURCES Oil & Gas Company	Unit Reporting Number NMNM -0 18 3 9 B 6. If Indian, All. or Tribe 7. Unit Agreement Name Huerfanito Unit 8. Farm or Lease Name
2. Operator BURLINGTON RESCURCES Oil & Gas Company	Huerfanito Unit 8. Farm or Lease Name
RESOURCES Oil & Gas Company	Huerfanito Unit 8. Farm or Lease Name
3. Address & Phone No. of Operator	
PO Box 4289, Farmington, NM 87499	9 Well Number
(505) 326-9700	81E
4. Location of Well Unit D (NWNW), 1015' FNL, 1160' FWL	10. Field, Pool, Wildcat Basin Dakota
Latitude 36°30.4277 Longitude 107°45.7817	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 11, T26N, R9W API # 30-045-33780
14. Distance in Miles from Nearest Town 25.8 miles to Bloomfield	12. County 13. State San Juan NM
15. Distance from Proposed Location to Nearest Property of 1015'	or Lease Line
16. Acres in Lease	17. Acres Assigned to Well 320.0 ac N2 DK
18. Distance from Proposed Location to Nearest Well, Drlg 51' - Huerfanito Unit #62	, Compl, or Applied for on this Lease
19. Proposed Depth 6552'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6207'	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: franche Regulatory Analyst	
PERMIT NO. API	PROVAL DATE
APPROVED BY DIMONES TITLE	AFM DATE 6/19/06
Archaeological Report attached 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 knowing	gly and willfully to make to any department or agency of the

MMOCD

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

Form C-102 Revised October 12, 2005

DISTRICT II 1301 West Grand Avenue, Artesia, N.M. 68210

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

			W	ELL L	OCATIO	N AND	AC	REAGE DEDI	CAT	ION PL	ΤA		
'API Number Pool Code 71599 Basin Dak				naka	⁵ Pool Nem	e							
ļ	30-0		D. 100		715 9 9				Daku				
⁴ Property Code						Name					ell Number		
7138					HUERFANITO UNIT							81E	
1	OGRID No) .				• Ор€	rator	Name				9	Elevation
1	4538 			BURL	NGTON RE	NGTON RESOURCES OIL AND GAS COMPANY				LP 6207'			3207'
						10 Surf	ace	Location					
UL or	lot no.	Section	Township	Range	Lot Idn	Peet from	the	North/South line	1	from the	East/We	st line	County
L	D	11	26-N	9-W		1015'		NORTH	1	160'	WES	ST	SAN JUAN
				11 Botte	om Hole	Locati	on l	lf Different Fro	om S	Surface		_	
UL or	lot no.	Section	Township	Range	Lot Idn	Peet from	the	North/South line	Feet	from the	East/We	est line	County
13 Dedic	eated Acre) ::8	1	19 Joint or	infill	14 Consolida	ation	Code	15 Ord	er No.	i		<u> </u>
32	20 N2	DK.				Ì			}				
						<u></u>			<u> </u>				
NO	ALLOW	ABLE: W						ON UNTIL ALL EEN APPROVED				EEN CO	NSOLIDATED
		- A s	89' 29' 16"]		7===				=	17		CEDTI	FICATION
			2596.84	_]		- 111				
		015					- 1			is true and	complete to	the best o	on contained herein f my knowledge and
		9				1] belia;			that this or		rither owns nersi interest in the	
									land including the proposed bottom hale location or has a right to drill this well at this location pursuant				
_	1160'	_ \					- 1	to a contro		to a contra	contract with an owner of such a mineral or ting interest, or to a voluntary pooling agreement compulsory pooling order heretofore entered by the		
ы	•								or a compu division.	leary positing	g arder here	tafore entered by the	
55					 								
2841.73							- 1			1		. 0	
ω P α		ļ	USA SE OTESBE			- 1				1000 a	الحدوان وكهوان وم		
		1					- }			Signatur	iwor	2017	anound
		1						- 111	Amanda Sandoval				
		1	15A		}		}		_ []]	Printed	Name		
			3 .		1				- 111				
=_=				== 1	1 =		-+		=-				
	36 30.4277° 107 45.78 927			_	1					18 SU	RVEYO	R CER	TIFICATION
	92 r 830'25.7"	N. 1							- 11				ion shown on this pla ual surveys made by
	10745'49.									-	my superv	islon, and t	hat the same is true
										Date of Su	···· 5-	- Fuk	06
			··		1					UE 00	STANTA F	USSE	The state of the s
				_ _	}][Signature	- (A)	NEXT COM	Surveyor:
									- 11	į	3 3		• 65 N
		1			1					Sterior	~ {₹ ≥ (15703)	WE.
		}							- []	3	E .		
		1							- 11		Ja Vo	£	
		1							-	Gel	The Pa	ARCE C	nasell
					1]]	Certificate	Number	zapitetist ee	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	-	WELL API NO.	22000
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Le	30-045-) \(\)
District III	1220 South St. Francis Dr.	STATE	FEE X
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Le	
District IV	ŕ		
1220 S. St. Francis Dr., Santa Fe, NM 8750	ES AND REPORTS ON WELLS	7. Lease Name or Unit	Agreement Name
	TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Ecase Ivalie of Clin	. A sgreement I vanie
DIFFERENT RESERVOIR. USE "APPLICATIO	N FOR PERMIT" (FORM C-101) FOR SUCH	Hu	erfanito Unit
PROPOSALS.) 1. Type of Well:		8. Well Number	
Oil Well Gas Well X	Other	8. Wen Number	#81E
2. Name of Operator		9. OGRID Number	
	URCES OIL & GAS COMPANY LP	10 Paul Wild	14538
3. Address of Operator 3401 E. 30TH STR	EET, FARMINGTON, NM 87402	10. Pool name or Wild	asin Dakota
4. Well Location	521,1714000101011,101207102	J2	January Barrott
	015 feet from the North line and	1160 feet from t	
Section 11	Township 26N Rng 9W Elevation (Show whether DR, RKB, RT, GR, etc.)	NMPM NMPM	County San Juan
	6207'		
Pit or Below-grade Tank Application	or Closure		1200'
Pit type New Drill Depth to Groundwa	ater	>1000' Distance from	n nearest surface water <1000'
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls; Construction	Material
12. Check A	appropriate Box to Indicate Nature of No	tice, Report or Othe	er Data
NOTICE OF IN	TENTION TO:	SUBSEQUENT I	REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIA		ALTERING CASING
TEMPORARILY ABANDON		CE DRILLING OPNS.	P AND A
		VELOCIT 100	
PULL OR ALTER CASING	MULTIPLE COMPL CASING/C	EMENT JOB	
OTHER: New		EMENT JOB	
OTHER: New 13. Describe proposed or complete	Drill X OTHER: d operations. (Clearly state all pertinent details, and a	give pertinent dates, inclu	
OTHER: New 13. Describe proposed or complete of starting any proposed work).	Drill X OTHER:	give pertinent dates, inclu	
OTHER: New 13. Describe proposed or complete	Drill X OTHER: d operations. (Clearly state all pertinent details, and a	give pertinent dates, inclu	
OTHER: New 13. Describe proposed or complete of starting any proposed work).	Drill X OTHER: d operations. (Clearly state all pertinent details, and a	give pertinent dates, inclu	
OTHER: New 13. Describe proposed or complete of starting any proposed work).	Drill X OTHER: d operations. (Clearly state all pertinent details, and a	give pertinent dates, inclu	
OTHER: New 13. Describe proposed or complete of starting any proposed work).	Drill X OTHER: d operations. (Clearly state all pertinent details, and a	give pertinent dates, inclu	
OTHER: New 13. Describe proposed or complete of starting any proposed work). or recompletion.	Drill X OTHER: d operations. (Clearly state all pertinent details, and a	give pertinent dates, inclu	
OTHER: New 13. Describe proposed or complete of starting any proposed work).	Drill X OTHER: d operations. (Clearly state all pertinent details, and a	give pertinent dates, inclu	
OTHER: New 13. Describe proposed or complete of starting any proposed work). or recompletion. New Drill, Lined:	Drill X OTHER:	give pertinent dates, inclu ch wellbore diagram of p	roposed completion
OTHER: New 13. Describe proposed or complete of starting any proposed work). or recompletion. New Drill, Lined: Burlington Resources proposes to continuous description.	Drill X OTHER: d operations. (Clearly state all pertinent details, and a	give pertinent dates, included wellbore diagram of p	roposed completion a's interpretation of the
OTHER: New 13. Describe proposed or complete of starting any proposed work). or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novembor	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachants and a second completions and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlier 11, 2004 on file at the NMOCD office. A portion of	give pertinent dates, included wellbore diagram of properties of the wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be	a's interpretation of the !/ Workover Pit Construction / the designed to manage fluids and
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the risk	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachants and a second of the struct a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlier 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates	give pertinent dates, included wellbore diagram of properties of the wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be	a's interpretation of the !/ Workover Pit Construction / the designed to manage fluids and
OTHER: New 13. Describe proposed or complete of starting any proposed work). or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novembor.	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachants and a second of the struct a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlier 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates	give pertinent dates, included wellbore diagram of properties of the wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be	a's interpretation of the !/ Workover Pit Construction / the designed to manage fluids and
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the risk	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachants and a second of the struct a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlier 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates	give pertinent dates, included wellbore diagram of properties of the wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be	a's interpretation of the !/ Workover Pit Construction / the designed to manage fluids and
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the risk	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachants and a second of the struct a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlier 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates	give pertinent dates, included wellbore diagram of properties of properties of the wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be	a's interpretation of the !/ Workover Pit Construction / the designed to manage fluids and
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the risk	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachants and a second of the struct a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlier 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates	give pertinent dates, included wellbore diagram of properties of properties of the wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be	a's interpretation of the !/ Workover Pit Construction / the designed to manage fluids and
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the risk	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachants and a second of the struct a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlier 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates	give pertinent dates, included wellbore diagram of properties of properties of the wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be	a's interpretation of the !/ Workover Pit Construction / the designed to manage fluids and
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novemb that portion will be lined as per the ri Pit Closure Procedure dated August 2	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachment a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlet 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates 2, 2004 on file at the NMOCD office.	give pertinent dates, included wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be closing these pits according these pits according the pits according to the	a's interpretation of the (/ Workover Pit Construction / the designed to manage fluids and ding to the Drilling / Workover
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novemb that portion will be lined as per the rill Pit Closure Procedure dated August 2. I hereby certify that the information about the proposed of the procedure dated August 2.	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachment a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlet 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates 2, 2004 on file at the NMOCD office.	give pertinent dates, included wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be closing these pits according to the vent/flare pit will be closing these pits according these pits according the pits according to the pits acc	a's interpretation of the // Workover Pit Construction / the designed to manage fluids and ding to the Drilling / Workover
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novemb that portion will be lined as per the rill Pit Closure Procedure dated August 2. I hereby certify that the information about the proposed of the procedure dated August 2.	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attachment a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlet 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates 2, 2004 on file at the NMOCD office.	give pertinent dates, included wellbore diagram of properties. Based on Burlington ington's Revised Drilling of the vent/flare pit will be closing these pits according to the vent/flare pit will be closing these pits according these pits according the pits according to the pits acc	a's interpretation of the // Workover Pit Construction / the designed to manage fluids and ding to the Drilling / Workover
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to contect Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the ripit Closure Procedure dated August 2. I hereby certify that the information aboursed tank has been/will be constructed or close	Drill d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attached a see a new drilling pit and an associated vent/flare new drilling pit will be a lined pit as detailed in Burler 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates 2, 2004 on file at the NMOCD office. ve is true and complete to the best of my knowledge and according to NMOCD guidalines, a general permit	pit. Based on Burlington ington's Revised Drilling of the vent/flare pit will be a closing these pits according and belief. I further certify or an (attached) alternative	a's interpretation of the // Workover Pit Construction / // be designed to manage fluids and ding to the Drilling / Workover that any pit or below-
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to contect Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the ripit Closure Procedure dated August 2 I hereby certify that the information abours and the post of the procedure dated August 2 I hereby certify that the information abours and the post of the procedure dated August 2 SIGNATURE	Drill X OTHER: d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attached state and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlet 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates 2, 2004 on file at the NMOCD office. TITLE Resources are a general permit X and a general	pit. Based on Burlingtor ington's Revised Drilling of the vent/flare pit will be a closing these pits accor-	that any pit or below-e OCD-approved plan DATE
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the ri Pit Closure Procedure dated August 2 I hereby certify that the information abours and the post of the procedure dated August 2 I hereby certify that the information abours and the post of the procedure dated August 2 Type or print name Amanda	Drill X OTHER: d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attached to the set of my knowledge and according to NMOCD guidelines , a general permit X Sanchez E-mail address: asandovaled as and ovaled address: asandovaled addre	give pertinent dates, included his wellbore diagram of position of the wellbore diagram of position of the vent of	that any pit or below- e OCD-approved plan DATE
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to contect Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the ripit Closure Procedure dated August 2 I hereby certify that the information abours and the post of the procedure dated August 2 I hereby certify that the information abours and the post of the procedure dated August 2 SIGNATURE	Drill X OTHER: d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attached to the set of my knowledge and according to NMOCD guidelines , a general permit X Sanchez E-mail address: asandovaled as and ovaled address: asandovaled addre	give pertinent dates, included his wellbore diagram of position of the wellbore diagram of position of the vent of	that any pit or below- e OCD-approved plan DATE
OTHER: New 13. Describe proposed or complete of starting any proposed work) or recompletion. New Drill, Lined: Burlington Resources proposes to con Ecosphere's risk ranking criteria, the Operation Procedures dated Novembethat portion will be lined as per the ri Pit Closure Procedure dated August 2 I hereby certify that the information abour and the portion will be constructed or close SIGNATURE Type or print name Amanda	Drill X OTHER: d operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attached state and an associated vent/flare new drilling pit will be a lined pit as detailed in Burlet 11, 2004 on file at the NMOCD office. A portion of sk ranking criteria. Burlington Resources anticipates 2, 2004 on file at the NMOCD office. TITLE Resources are a general permit X and a general	give pertinent dates, included his wellbore diagram of position of the wellbore diagram of position of the vent of	that any pit or below- e OCD-approved plan DATE

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.

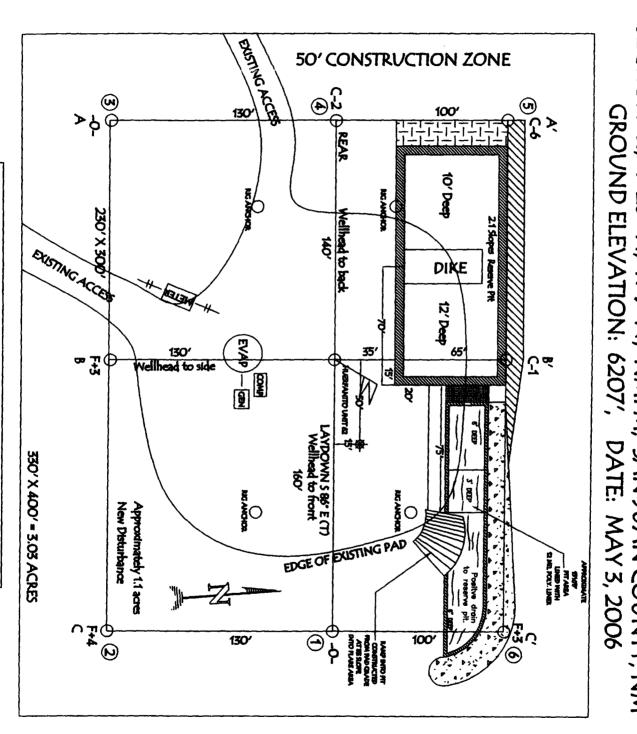
ATTUBE

36' 30.4277'N

LONGITUDE:

9

45.7817W NAD27

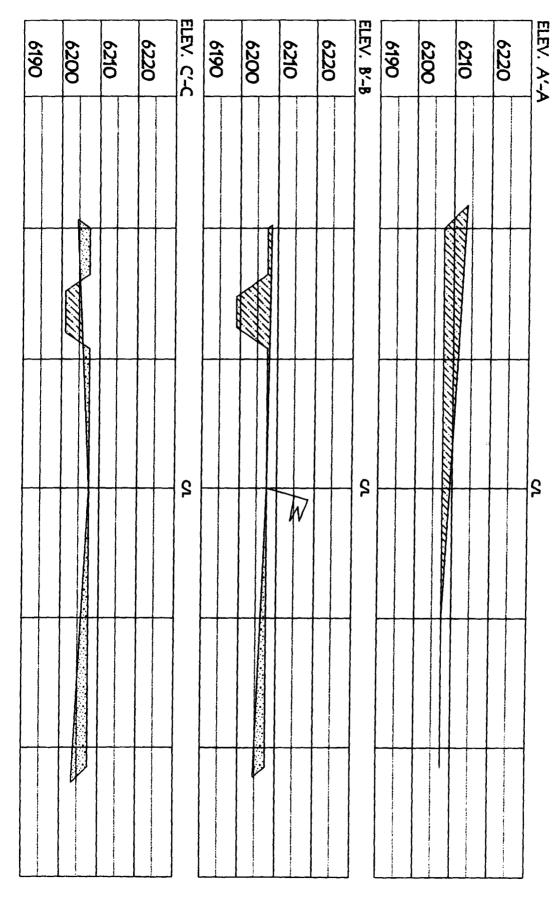


NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

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 HUERFANITO UNIT 81E, 1015' SECTION 11, T-26-N, R-9-W, NMPM, GROUND ELEVATION: 6207', DATE: MAY 3, 2006 . & GAS COMPANY LP SAN JUAN COUNTY, NM



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: Huerfanito Unit 81E

Location: 1015'FNL, 1160' FWL, Section 11, T-26-N, R-9-W

San Juan County, New Mexico

Latitude 36° 30.4277, Longitude 107° 45.7817

Formation: Basin Dakota

Elevation: 6207'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	1120'	
Ojo Alamo	1120'	1238'	aquifer
Kirtland	1238'	1767'	gas
Fruitland	1767′	1972′	gas
Pictured Cliffs	1972'	2144'	gas
Lewis	2144'	2396′	
Huerfanito Bentonite	2396′		
Chacra	2832'	3508'	gas
Cliff House	3508′	3606′	gas
Menefee	3606′	4300'	gas
Point Lookout	4300'	4636′	gas
Mancos	4636'	5401'	
Gallup	5401'	6242'	gas
Greenhorn	6242'	6295'	gas
Graneros	6295'	6321'	gas
Two Wells	6321'	6417'	gas
Paguate	6417′	6487′	gas
Cubero	6487'	6552'	gas
Encinal	6552′	6552′	gas
TD	6552′		

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	Type	Weight	Vis.	Fluid Loss
0- 320'	Spud MUD/Air/Air Mist	8.4-9.0	40-50	no control
320'- 6552'	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' - 6552'	4 1/2" 10.5#	J-55

Tubing Program: 0' ~ 6552' 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 ½" 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 @ 4150'. First Stage: Lead with w/265 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: 448
sacks Premium Lite cmt w/3% calcium chloride, 0.4% metasilicate, 0.25 pps celloflake,
5 pps LCM-1 and 0.4% FL-52. (2209 cu ft - 50% excess, circulate to surface, run

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 @ 1238'. Two turbolating centralizers at the base of the Ojo Alamo 1238'. 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.

CBL/temperature survey if cement is not circulated to surface.)

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 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.

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 11 is dedicated to the Dakota formation.
- This gas is dedicated.



10-02-1