UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT TO DRILL	L, DEEPEN, OR PLUG BACK
1a.	Type of Work DRILL	Vait Reporting Number
1b.	Type of Well GAS	0706.FARILLMOTON NM
2.	Operator BURLINGTON RESCURCES Oil & Gas Company, LP, Clarify	7. Unit Agreement Name
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 9. Well Number #11M
4.	Location of Well Unit E (SWNW), 1385' FNL& 750' FWL,	10. Field, Pool, Wildcat Basin DK / Blanco MV
	Latitude 36° 49.7565'N Longitude 107° 51.4906'W Jet 5	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 11, T30N, R10W API # 30-045-33860
14.	Distance in Miles from Nearest Town	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Property or 750'	Lease Line
16.	Acres in Lease	17. Acres Assigned to Well DK - 310.14 W/2 & MV - 320' N/2 313./
18.	Distance from Proposed Location to Nearest Well, Drlg,	
19.	Proposed Depth 7866'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6632' GL	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	_ /
24.	Authorized by: Later lugh Sr. Regulatory Specialist	
	(X////a / i)	ROVAL DATE
APPRO	OVED BY STYTTLE A	DATE 1/28/06
Archa	eological 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 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 October 12, 2005

DISTRICT II 1301 West Grand Avenue, Artesia, N.M. 88210 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

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

AMENDED REPORT

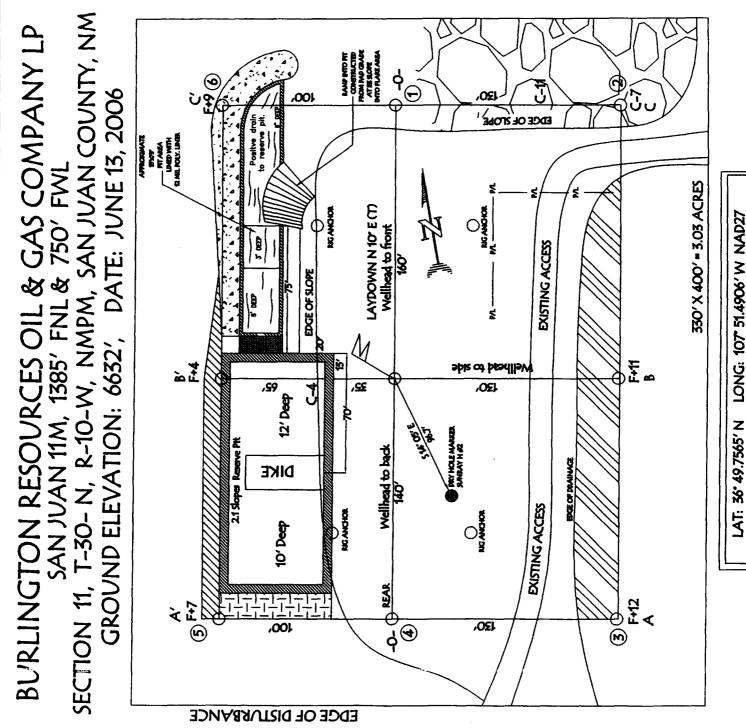
DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

220 S. St. Franci	s Dr., Sant			CATION	N AND AC	REAGE DEDI	CATION	PLAT			
	'API Number					sin D	akota				
Property Code 7451				⁵ Property SAN JUA					⁶ Well Number		
OGRID No).			⁸ Operator Na			Name			° Elevation	
14538			BURLI	NGTON RE		AND GAS COMPA	NY LP			6632'	
17 1-A	G41		Description I			Location		1 53 - 1 Aw	4 11	12 .	
UL or lot no.	Section 11	Township 30—N	Range 10-W	Lot ldn	Feet from the 1385'	North/South line NORTH	Feet from t	be East/Wes WES		SAN JUAN	
			11 Botto	m Hole	Location I	f Different Fro	om Surfac	e:e			
UL or lot no.	Section	Township	Range	Lot Idm	Feet from the	North/South line	Feet from t	he East/Wes	t line	County	
Dedicated Acre MV 320.0 DK 310.1	Oac N		15 Joint or I	nfill	¹⁴ Consolidation (Code	¹⁵ Order No.			<u>. I</u>	
		ILL BE A				ON UNTIL ALL EN APPROVED			EN CO	ONSOLIDATE	
LOT 4 (382)	2848.	- - 7 -	USA N	M-93313	LOT 2	L01	I here is true betisf, a word land is	and complete to and that this org sing interest or us soluting the proper right to drill this metract with an or- sing interest, or so compulsory pooling	the best of constant on microsoft microsoft microsoft on the constant of the c	ion contained hereis of my knowledge as either owns meral interest in th hole location or his location pursuas the location pursuas the a mineral or any pooling agreem stofore entered by i	
750' L	5		LOT 6 USA N	M−03195	LOT 7	LOT	Sign	alsy Cluss Cluss ted Name	ugh ton/S	r. Regulat Speciali	
LO AT: 36'49.7565 ONG: 107'51.49 VAD 1927 AT: 36'49'45.4' ONG: 107'51'31 VAD 1983	008' W.	LO	T 11	1 =-	LOT 10	LOT	I hereb was pl	y certify that the ited from field n under my supervi- rect to the best o	well local otes of act	TIFICATION tion shown on this pust surveys made to that the same is tra	
LO	T 13		COT 14		LOT 15	LOT	16 Signa	NE STATE	5103	ALSA SULVEY	

Submit 3 Copies To Appropriate District Office	State of Nev	w Mexico		Form C-103				
District I	Energy, Minerals and	Natural Resources	CHELL ABILIO	May 27, 2004				
1625 N. French Dr., Hobbs, NM 88240 District II			WELL API NO.	5-33860				
1301 W. Grand Ave., Artesia, NM 88210 District III	OIL CONSERVAT		5. Indicate Type of Lease STATE	FEE 🗍				
1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Santa Fe, N		6. State Oil & Gas Lease No.	TEL				
District IV 1220 S. St. Francis Dr., Santa Fe, NM 8750	·							
SUNDRY NOTIC	ES AND REPORTS ON WELL		7. Lease Name or Unit Agreen	nent Name				
(DO NOT USE THIS FORM FOR PROPOSALS DIFFERENT RESERVOIR. USE "APPLICATION"			San Jua	n				
PROPOSALS.)	, ,							
1. Type of Well: Oil Well Gas Well X	Other		8. Well Number #11M					
2. Name of Operator	NUBCES OIL & CAS COMBAN	NV I D	9. OGRID Number					
3. Address of Operator	OURCES OIL & GAS COMPA	NY LP	14538 10. Pool name or Wildcat					
3401 E. 30TH STR 4. Well Location	EET, FARMINGTON, NM 874	402	Basin DK / Bla	inco MV				
Unit Letter E :1		orth line and	750' feet from the	West line				
Section 11	Township 30N Elevation (Show whether DR, R		NMPM County	San Juan				
Pit or Below-grade Tank Application	or Closure 6	632'						
Pit type New Drill Depth to Groundw		arest 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 Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING MULTIPLE COMPL SUBSEQUENT REPORT OF: REMEDIAL WORK COMMENCE DRILLING OPNS. CASING/CEMENT JOB								
OTHER: New	Drill	X OTHER:						
13. Describe proposed or complete			give pertinent dates, including es ch wellbore diagram of proposed					
or recompletion.). SEE ROLE 1103. FOR Multip	one Completions: Attac	ch wellbore diagram of proposed	completion				
New Drill, Unlined:								
Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and vent/flare pit will be an unlined pit as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file that the NMOCD office.								
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines, a general permit or an (attached) alternative OCD-approved plan.								
SIGNATURE / May	<u>Jugitm/</u> ti	TLE Sr. Re	egulatory Specialist I	DATE				
Type or print name Patsy For State Use Only	\$ ·							
	Clugston E-mail a	ddress: <u>pclugston@</u>	<u>@br-inc.com</u> Telephone No.	505-326-9518				
APPPROVED BY	-/L		@br-inc.com Telephone No. GAS INSPECTOR, DIST. 任意	505-326-9518				

NOTE: VECTOR SURVEYS LLC IS NOT LIABLE FOR UNDERGROUND VILLITIES OR UNMARKED BURIED
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

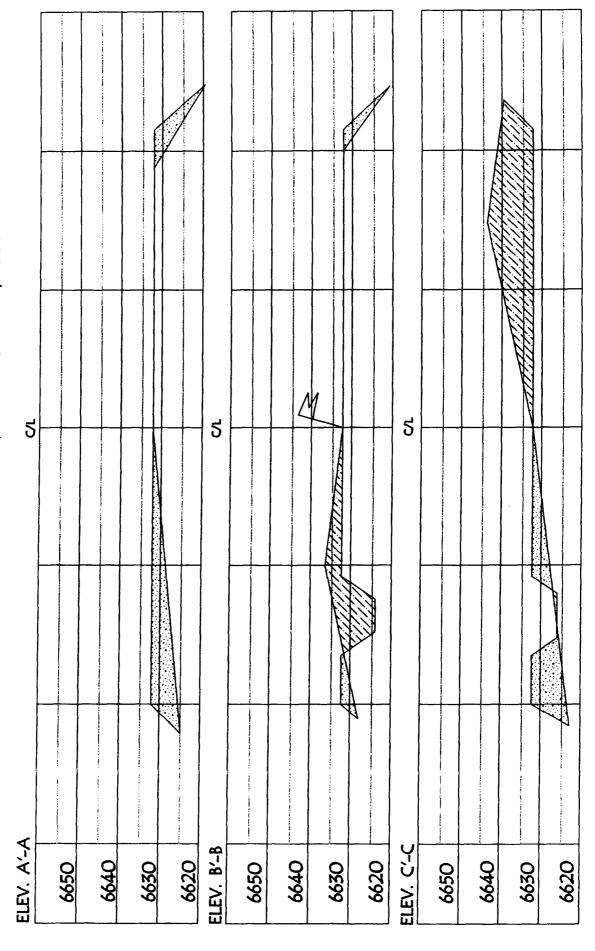
CONTRACTOR SHOULD CALL ONE-CALL FOR UNDERGROUND VILLEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.



BEOM BILL OVERFLOW RIPE 4' ABOVE BOTTOM OF BLOW PIT.

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP SAN JUAN 11M, 1385' FNL & 750' FWL SECTION 11, T-30- N, R-10-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6632', DATE: JUNE 13, 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 LLC IS NOT LLABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

OPERATIONS PLAN

Well Name:	San Juan #11M						
Location:	Unit E (SWNW), 1385' FNL & 750' FWL, Sec. 11, T30N, R10W						
	San Juan County, New Mexico						
Formation:	Basin Dakota / Blanco Mesaverde						
Elevation:	6632'						
Surface	San Jose						
Surface	San Jose	1924'					
Ojo Alamo	1924'	2091' aquifer					
Kirtland	2091'	3064' gas					
Fruitland	3064'	3289' gas					
Pictured Cliffs	3289'	3446' gas					
Lewis	3446'	4024'					
Huerfanito Bentonite	4024'	4344'					
Chacra	4344'	4919' gas					
Massive Cliff House	4919'	5119' gas					
Menefee	5119'	5569' gas					
Massive Point Lookout	5569'	5949' gas					
Mancos Shale	5949'	6832'					
Upper Gallup	6832'	7566' gas					
Greenhorn	7566'	7616' gas					
Graneros	7616'	7669' gas					
Two Wells	7669'	7762' gas					
Paguate	7762'	7806' gas					
Cubero	7806'	7866' gas					
Encinal	7866'	7866' gas					
Total Depth:	7866'	gas					
·							
Logging Program:							
Mud Logs/Coring/DST							
Mud logs	- none						

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

Cased hole - Gamma Ray, CBL - surface to TD

Mud Program:

MUG FLOGLAM:				
<u>Interval</u>	<u>Type</u>	<u>Weight</u>	Vis.	Fluid Loss
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
120 - 3546'	LSND	8.4 - 9.0	30 - 60	no control
3546' - 7866'	Air/Air Mist/Nitrogen	n/a	n/a	n/a
Casing Program (as listed,	the equivalent, or bett	er):		
<u> Hole Size</u>	Depth Interval	Csg.Size	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3546'	7"	20#	J-55
6 1/4"	0' - 7866'	4 1/2"	10.5#/11.6#	J-55
Tubing Program:				
	Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
	0' - 7866'	2 3/8"	4.7#	J-55
	÷ 7000	~ 3/0	* · · II	U

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&}quot; 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, BOPE, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" 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:

9 5/8" surface casing -

Pre-Set Drilled - Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (38 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled - Cement with 88 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (113 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under 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. 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 with 314 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (669 cu ft 50% excess to circulate to surface. Tail w/90 sacks Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (124 cu ft 50% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage -

Stage collar set 300' above the top of the Fruitland. First stage: Lead w/24 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss (52 cu ft 50% excess to circulate to surface. Tail w/90 sxs Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 290 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (793 cu ft -50% 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 @ 2091'. Two turbolating centralizers at the base of the Ojo Alamo @ 2091'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing -

Pump 283 sxs Premium Lite HS FM w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss, 6% gel, 7 pps CSE (560 cu.ft., 30% excess to achieve 100' overlap in 4-1/2" x 7" annulus). WOC a minimum of 18 hrs prior to completing.

Cementing: Continued

Cement float collar stacked on top of float shoe.

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

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 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.
- 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 & Mesaverde formations 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 2000 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 MV & the west half is dedicated to the DK DK formation.
- * This gas is dedicated.



BURLINGTON RESOURCES

Compistion/Workover Rig BOP Configuration 2,000 psi System

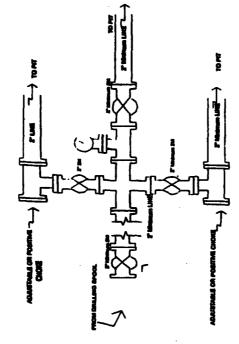
BURLINGTON RESOURCES

Ortiling Rig Chots Manifold Configuration 2000 pel System

Burlington Resources

2000 psi System **Drilling Rig**

ALC PLOOM



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DOVELA GATE

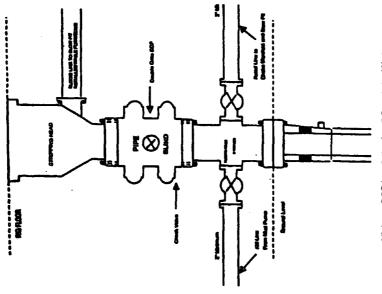
PFILLIP LING

Choke manifold installation from Surface Cesting Point to Total Depth. 2,000pel working preseure

Figure #3

4-20-01

Figure #1



pressure double gate 80P to be equipped with blind and reme. A stripping head to be installed on the top of Minimum BOP installation for all Comptation-Workove Operations, 7-1/16" bore, 2000 pel minimum working pressure or greater excluding 600 pel ethpling head. he BOP. At BOP equipment is 2000 pel working

Pigure #2

4-20-01