UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

			2006 MAY 9 A
а.	Type of Work DRILL	5. Lease Number NMSF-077	764 RÉCEIV
	DRIBL	Unit Reporting N	umbêro FARMING
	26.27.27.20	Orac Hoportalia II	
b.	Type of Well	6. If Indian, All. or 7	Fribe
	GAS		
	The Court of the C		
•	Operator R	7. Unit Agreement i	Name
	BURLINGTON		
	RESOURCES Oil & Gas Company		
,	Address & Phone No. of Operator	8. Farm or Lease Na	ame
•	PO Box 4289, Farmington, NW/87499	Schumach	
	Col Collinson	9. Well Number	
	(505) 326-9700	#1 E	
		·	
•	Location of Well	10. Field, Pool, Wild Basin Dakota	icat
	Unit J (NWSE), 1665' FSL, 1750' FEL	Basin Dakota	
		11. Sec., Twn, Rge,	Mer. (NMPM)
	Latitude 36° 48.5753'N	J sec. 17, T30N,	R10W
	Longitude 107° 54.2367'W		1
		API # 30-045- 33	37 <i>56</i>
	Distance in Miles from Nearest Town	12 County	13. State
4.	5 miles to Aztec, NM	12. County San Juan	NM
	J MII GO CO RECOUNTY	bun ouun	414.4
5.	Distance from Proposed Location to Nearest Property or Lease Lie	ne	
	1665'		
6.	Acres in Lease	17. Acres Assigned 311.82 E2 DK	to Well
		311.02 E2 DK	
8.	Distance from Proposed Location to Nearest Well, Drlg, Compl, o	r Applied for on this Lea	nse
	50'- Schumacher #9A		
9.	Proposed Depth	20. Rotary or Cable	Tools
	7580′	Rotary	1
			At 1 20 04 4 35
21.	Elevations (DF, FT, GR, Etc.) 6450'GL	22. Approx. Date	work will Start
	0430 GD		
23.	Proposed Casing and Cementing Program		
	See Operations Plan attached		
	181	5-9-	. 1
24.	Authorized by: Amanda Jandava		06
	Regulatory Analyst	Date	
ERM	IIT NO. APPROVAL D	ATE	
	12/1/1/25	- /.	6.16
APPR	OVED BY MILEOLOS TITLE 1400	M DATE	5/25/00
			•
roba	eological Report attached		
	tened and Endangered Species Report attached		
	This format is issued in lieu of U.S. BLM Form 3160-3		

This action is subject to technical and procedural review pursuant to 43 CFR 3165 3 and appeal pursuant to 43 UFR 3165 4

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.

MMOCD

District I PO Box 1980, Hobbs, NM 88241-1980

PO Drawer CD, Artesia, NM 88211-0719

1000 Aio Brazos Ad., Aztec. NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-10 Revised February 21, 199

Instructions on back Submit to Appropriate District Office OIL CONSERVATION DIVISION 98 53 State Lease - 4 Copies PO Box 2088

Santa Fe. NM 87504-20880 EIVED

OTO FARMIMOTON NIM L AMENDED REPORT

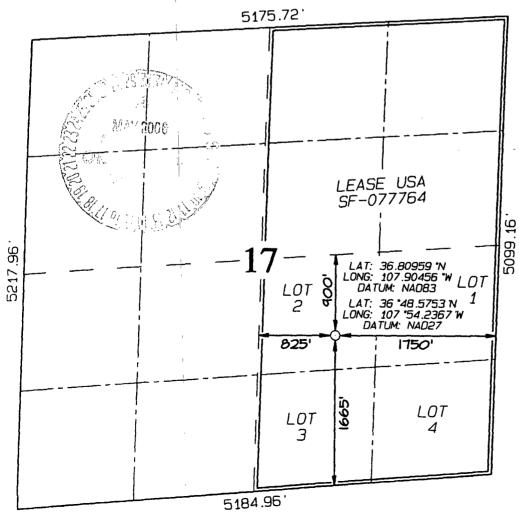
WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	*Pool Code	³Pool Name	
30-045-33736	71599	Basin Dakota	
*Property Code	°Pr	Well Number	
7491	SC	HUMACHER	1E
OGRID No.	*Op	erator Name	*Elevation
14538	BURLINGTON RESOURC	ES OIL & GAS COMPANY, LP	6450 '

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	17	NOE	10W		1665	SOUTH	1750	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
J							{		
2 Dedicated Acres				¹³ Joint or Infill	³⁴ Consolidation Code	⁸⁵ Order No.		·*	
DK 311.82 ac E2									

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

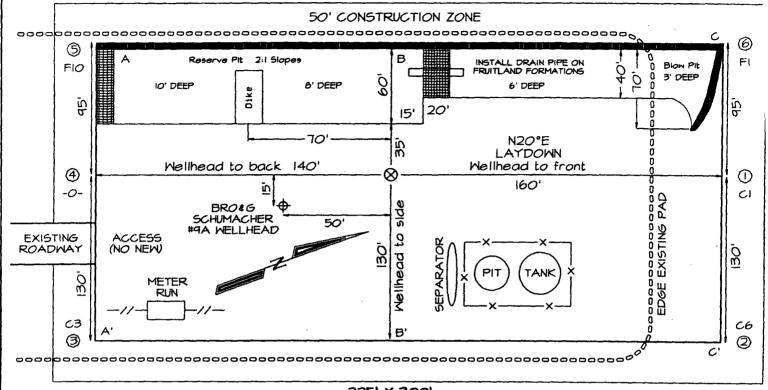


17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
fatser Cluster
Signature /
Patsy Clugston
Printed Name
Sr. Regulatory Specialist
Title
4/24/2006
Date
*SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field
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.
Survey Date: FEBRUARY 27, 2006
Signature and Seal of Professional Surveyor
C. EDW
JESON C. EDWARDS
SPORT MEXICO
(15269) K
ST THE STOWN OF
18 A A A A A A A A A A A A A A A A A A A
TOFESSION .
Tier
UASON C. EDWARDS
Certificate Number 15269

Office	State of New Mexico			Form C-103
District I	Energy, Minerals and Natural Res	ources		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240		WELL A		_
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVI	SION 5 Indicat	30-045 te Type of Lease	>-
District III	1220 South St. Francis Dr	l l	STATE T	FEE 🗍
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	<u> </u>	Dil & Gas Lease No.	
District IV	Sainta 1 0, 14141 0 7505			
1220 S. St. Francis Dr., Santa Fe, NM 875			NMSF-077	
	CES AND REPORTS ON WELLS S TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease N	Name or Unit Agreem	ent Name
DIFFERENT RESERVOIR. USE "APPLICATI			Schumach	ner
PROPOSALS.)	,			
1. Type of Well:		8. Well N		
Oil Well Gas Well X	Other	O OCDIT	1E	
2. Name of Operator RURLINGTON RES	OURCES OIL & GAS COMPANY LP	9. OGRIE	Number 14538	
3. Address of Operator	OUROES OIL & ONS COMMING LI	10. Pool r	name or Wildcat	
	REET, FARMINGTON, NM 87402		Basin Dake	ota
4. Well Location	1665 fort from the Court lin	1750	feet from the	Don't line
Unit Letter J : Section 17	feet from the South line Township 30N Rng	e and <u>1750</u> 10W NMP		East line San Juan
	Elevation (Show whether DR, RKB, RT, GR,		O dant	
	6450'			
Pit or Below-grade Tank Application	or Closure			>2001
Pit type New Drill Depth to Ground	water >100' Distance from nearest fresh water	r well >1000'	_Distance from nearest s	surface water
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls;	Construction Material	
12. Check	Appropriate Box to Indicate Nature	of Notice, Repo	ort or Other Data	<u>l</u>
	NTENTION TO:	- · · · · · · · · · · · · · · · · · · ·	QUENT REPOR	
PERFORM REMEDIAL WORK		EMEDIAL WORK		LTERING CASING
TEMPORARILY ABANDON	□ □ 1	OMMENCE DRILLIN		AND A
PULL OR ALTER CASING	 	ASING/CEMENT JO	_	
OTHER:	- T	T. 150		_
		THER:		
	ted operations. (Clearly state all pertinent deta c). SEE RULE 1103. For Multiple Completio			
or recompletion.	cy. SEE ROLE 1103. To Multiple Completion	iis. Attach wehoofe	diagram or proposed (completion
New Drill, Lined:				
Burlington Decourage proposes to	construct a new drilling nit and an apposinted v	omt/flows mit Doord	on Doublington's into-	materian of the
	construct a new drilling pit and an associated vone new drilling pit will be a lined pit as detaile			
	ober 11, 2004 on file at the NMOCD office. A			
	risk ranking criteria. Burlington Resources a			
	t 2, 2004 on file at the NMOCD office.	orpatos vicomig une	so pris according to th	io Briding / Workovor
I hereby certify that the information al	bove is true and complete to the best of my kno	wledge and belief. I	further certify that any p	oit or below-
Reade the mas been with the constructed or ch	osed according to NMOCD galdelines, a general p	ermit A or an (attac	nea) atternative OCD-ap	proved plan
SIGNATURE AMOUND	TITLE	Danilatani A	anlaret E	NATE 5/0/0007
SIGNATURE 7 MIN WILL	Le Landout TITLE	Regulatory Ar	laiyst D	DATE5/2/2006
Type or print name Aman	ida Sandoyal E-mail address: as	andoval@br-inc.co	m Telephone No.	505-326-9700
For State Use Only	- / <i>U</i> -	_	•	
1	A MEPIIT	OIL & GAS INSPE	CTOR. DIST. 63	LMAY 3 U ZUU
APPPROVED BY	TITLE OLI OR	. 440 At ALIA 110% p		DATE
Conditions of Approval (if any):	-/			
	•			

BURLINGTON RESOURCES OIL & GAS COMPANY, LP SCHUMACHER #1E, 1665' FSL & 1750' FEL SECTION 17, T30N, R10W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6450' DATE: FEBUARY 27, 2006

LATITUDE: 36.80959° N LONGITUDE: 107.90456° W DATUM: NADI983



225' X 300' (325' x 400') = 2.98 ACRES

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

OPERATIONS PLAN

<u>Well Name:</u>

SCHUMACHER 1E

Location:

1665' FSL & 1750' FEL, Section 17 T30N R10W

San Juan County, New Mexico

Formation: Elevation:

Basin Dakota

6450' GL

Formation Tops:	<u>Top</u>	Bottom	<u>Contents</u>
Surface	San Jose	1724'	
Ojo Alamo	1724'	1772'	aquifer
Kirtland	1772'	2617'	gas
Fruitland	2617'	3020'	gas
Pictured Cliffs	3020'	3167'	gas
Lewis	3167'	3757 '	
Huerfanito Bentonite	3757'		
Chacra	4010'	4664'	gas
Massive Cliff House	4664'	4798'	gas
Menefee	4798'	5317'	gas
Massive Point Lookout	5317'	5659'	gas
Mancos Shale	5659'	6542'	
Upper Gallup	6542'	7275 '	gas
Greenhorn	7275 '	7331'	gas
Graneros	7331'	7383 '	gas
Two Wells	7383 '	7473 '	gas
Paguate	7473'	7521'	gas
Cubero	7521'	7580'	gas
Encinal	7580'	7580 '	gas
Total Depth:	7580'		gas

Logging Program:

Mud Logs/Coring/DST

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray, CBL - surface to TD

Mud Program:

Interval 0 - 120' VO	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0 - 120 00	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
120'- 3267'	LSND	8.4 - 9.0	30 - 60	no control
3267' - 7580 <i>'</i>	Air/Air Mist/Nitrogen	n/a	n/a	n/a

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

<u> Hole Size</u>	Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	Depth Interval	9 5/8"	32.3#	H-40
8 3/4"	0' - 3267'	7"	20/23#	J-55
6 1/4"	0' - 7580'	4 1/2"	10.5#	J-55

Tubing Program:

Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
0' - 7580'	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 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, BOPE rams 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.

<u>Wellhead -</u>

9 5/8" x 7" x 4 ½" x 2 3/8" x 2000 psi tree assembly.

<u>General -</u>

- 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.
- POP nit level drill will be conducted weekly for each drill crew.
- C. HARRADEN/ May10, 2006

BURLINGTON RESOURCES/ Schumacher #1E APD

STIPULATION/CONDITION OF APPROVAL

This well is located within a 'vulnerable area'. In order to protect the integrity of the fresh water alluvium aquifer, a minimum surface csg. depth of 200' is stipulated as a condition of approval for this APD.

Cementing:

9 5/8" surface casing -

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

Conventionally Drilled - Cement with 98 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (223 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 285 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. 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/42 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss. Tail w/90 sxs Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 242 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (730 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 @ 1772'. Two turbolating centralizers at the base of the Ojo Alamo @ 1772'. 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 282 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 (559 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:

- This will be a Dakota only.
- 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 East half of Section 17 is dedicated to the Dakota formation.
- This gas is dedicated.



Completion/Workover Rig BOP Configuration 2,000 psi System

Burlington Resources

2000 psi System

RD FLOOR

F FRALMP LONG

Orilling Rig

Ortling Rig Choke Manifold Configuration 2000 psi System

ï

Point to Total Depth. 2,000pal working pressure equipment with two chokes.

Figure #3

4-20-01

Figure #1

ssure double gata BOP to be equipped with blind and tipe rams. A stripping head to be installed on the top of ressure or greater exchaling 600 pel abipping head. dintmum SOP installation for eil Compistion-Works he BOP. All BOP equipment is 2000 pel working Operations, 7-1/16 bore, 2000 pat minin

Pigure #2

4-20-01