UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	DRILL		SF-080430	
			Unit Reporting Nu	mber
		$\label{eq:continuous} \begin{array}{cccccccccccccccccccccccccccccccccccc$		
•	Type of Well	~v. 4v. 10.	6. If Indian, All. or Ti	ibe
	GAS	2000 13 10 10		
	Operator	15	7. Unit Agreement N	ame
	BURLINGTON	9000 are		-
	RESOURCES Oil & Gas Comp	any	San Juan 28-6	Unit
	Address & Phone No. of Operator	Jan China	8. Farm or Lease Nar	ne
	PO Box 4289, Farmington,	NM 87499		
			9. Well Number	
	(505) 326-9700	THE SERVE	#184E	
	Location of Well		10. Field, Pool, Wildo	at
	Unit I (NESE), 1580' FSL, 8	10' FEL	Basin Dakota	
			11. Sec., Twn, Rge, I	Mer. (NMPM)
	Latitude 36° 40.36936'N		A Sec. 7, T28N, R	6 W
	Longitude 107° 30.09570'W		API# 30-039- 30	060
٠.	Distance in Miles from Nearest Town		12. County	13. State
•	38 Miles, Bloomfield, NM		Rio Arriba	МИ
	Distance from Proposed Location to Ne	arest Property or Le	ase Line	
j.	Acres in Lease		17. Acres Assigned	to Well
·•	7.0.00 25200		326.18 S/2 Sec	
			N/2 NW/4 Sec 18	
 B.	Distance from Proposed Location to Ne	earest Well, Drig, Co	empl. or Applied for on this Leas	
•	52', San Juan 28-6 #12A (Tw		,p., o. ,poa (o. e a	
) .	Proposed Depth		20. Rotary or Cable	Tools
	8092'		Rotary	
	Florestions /DF FT CD F40		22 A Date 14	Andrew III Cana
١.	Elevations (DF, FT, GR, Etc.) 6830'GL		22. Approx. Date W	ork will Start
	Proposed Casing and Cementing Progra	am		
	See Operations Plan attac			
	\bigcirc , \checkmark		-/	1.
ŀ.	Authorized by:	uell	8/29	106
	Regulatory Spec	lalist	Date	
RMI	T NO.	APPRO	VAL DATE	
	SIM-	1	la-,	at/1
PPRC	OVED BY \$\frac{1}{Alberta C}	TITLE	DATE DATE	7///0
chae	eological Report attached	<u> </u>		

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

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 6165.4

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

DISTRICT III 1000 Rio Brazos Rd., Astec, 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

☐ AMENDED REPORT

2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	Pool Name	
30-039- 300W	71599	DAKOTA	
Property Code	• 1	Property Name	* Well Number
7462	SAN J	SAN JUAN 28-6 UNIT	
OGRID No.	•(Operator Name	* Elevation
14538	BURLINGTON 1	RESOURCES O&G CO LP 683	

UL or lot no.	Section 7	Township 28N	Range 6W	Lot Idn 1	Feet from the 1580°	North/South line SOUTH	Feet from the 810'	East/West line EAST	County RIO ARRIBA
			11 Bott	om Hole	Location I	f Different Fro	om Surface		
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	Best/West line	County
I Dedicated Acre	<u> </u> s		18 Joint or	lofili	¹⁴ Consolidation C	ode	¹⁵ Order No.		
326.18	Acres						R-2948 I	ok)	

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

	4	LEASE #USA	\$F-080430 2	And 2" SC GLD 1814	OPERATOR CERTIFICATION I hereby certify that the information contained herein to true and complete to the best of my knowledge and belief
			7	SAN JUAN 3 28-6 UNIT 3 #12 A	Signature Patsy Clugston
			.441: 30.07283; N:(NAD. 8 . LONG. 107.50220; W (NA	.83) 👸	Sr. Regulatory Specialist
	5		LAT. 36'40.389'36 N. (NAO LONG: 107'30.09570 W. (N	27) 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7-24-06 Date 18 SURVEYOR CERTIFICATION
		N 89'57'51" E N 89'59' E	4821.56' (M) 4811.40' (R)	Z	I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by me or under my supervision, and that the same is true
	FND. 4" BC GLD -1914			FND 2" BC GLD 1914	and correct to the bast of any belief. JUNE 29, 2006
Ħ	4				1 00ML 23, 2000
					Date of Survey Signature and Seal of Professional Surveyor:
	1		· .		Signature and Seal of Professional Surveyor:
	1	(1	8		Signature and Seal of Professional Surveyor:
	1	(1	8		Signature and Seal of Professional Surveyor:
	2	(1	8		Signature and Seal of Professional Surveyor:

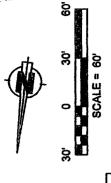
Po

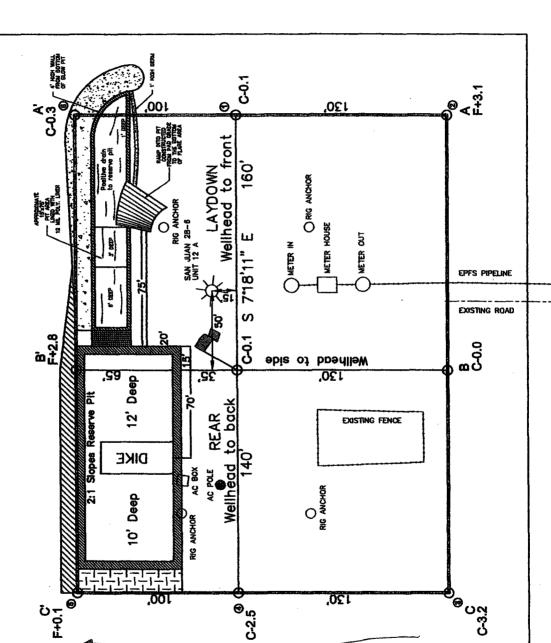
Office	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Resource	
1625 N. French Dr., Hobbs, NM 88240		WELL API NO. 2 min
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
District IV	ŕ	an and an
1220 S. St. Francis Dr., Santa Fe, NM 87505	S AND REPORTS ON WELLS	SF-080430 7. Lease Name or Unit Agreement Name
	O DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name of Ont Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATION	FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 28-6 Unit
PROPOSALS.) 1. Type of Well:		8. Well Number
Oil Well Gas Well X	Other	#184E
2. Name of Operator		9. OGRID Number
	JRCES OIL & GAS COMPANY LP	14538
3. Address of Operator	ET, FARMINGTON, NM 87402	10. Pool name or Wildcat Basin Dakota
4. Well Location	21,17AMING10N, NW 07402	Dusin Dukou
	80 feet from the South line and	810 feet from the East line
Section 7	Township 28N Rng 6 levation (Show whether DR, RKB, RT, GR, etc.)	W NMPM County Rio Arriba
	6830'	
Pit or Below-grade Tank Application	or Closure	
Pit type New Drill Depth to Groundwa	ter >100 Distance from nearest fresh water well	>1000' Distance from nearest surface water >1000
Pit Liner Thickness: NA	mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check A	ppropriate Box to Indicate Nature of N	otice, Report or Other Data
NOTICE OF IN		SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMED	ALTERING CASING
TEMPORARILY ABANDON	— — I	NCE DRILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING	G/CEMENT JOB
OTHER: New I	Orill X OTHER	:
13. Describe proposed or completed	operations. (Clearly state all pertinent details, an	d give pertinent dates, including estimated date
13. Describe proposed or completed of starting any proposed work).		d give pertinent dates, including estimated date
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LATITUDE: 36.67283°N LONGITUDE: 107.50220°W DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP

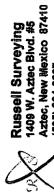
FINISHED PAD ELEVATION: 6829.7', NAVD 88 **GROUND ELEVATION: 6830', NAVD 88** RIO ARRIBA COUNTY, NEW MEXICO SECTION 7, T28N, R6W, N.M.P.M. LOCATED IN THE NE/4 SE/4 OF SAN JUAN 28-6 UNIT #184 E 1580' FSL, & 810' FEL





CONSTRUCTION ZONE

20,



505) 334-8637

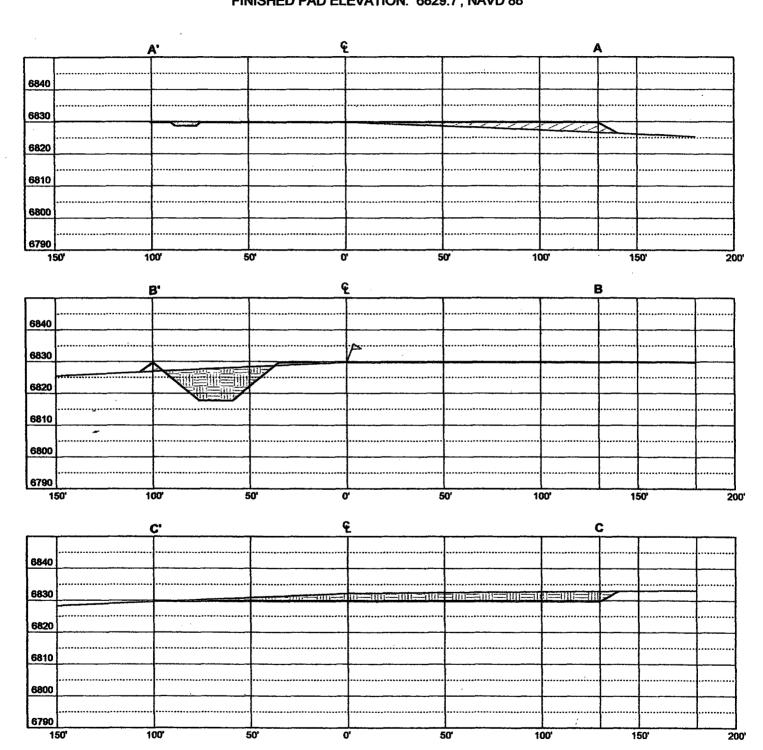
RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW — 3' WIDE AND 1' ABOVE SHALLOW SIDE).
RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE—CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE: RESERVE PIT DIKE: TO BE 8' RUSSELL SURVEYING, INC. IS I CONTRACTOR SHOULD CALL O

330' X400' = 3.03 ACRES OF DISTURBANCE SCALE: 1" = 60' 308 No.: COPC021

DATE: 07/14/06

BURLINGTON RESOURCES O&G CO LP

SAN JUAN 28-6 UNIT #184 E
1580' FSL & 810' FEL
LOCATED IN THE NE/4 SE/4 OF
SECTION 7, T28N, R6W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
GROUND ELEVATION: 6830', NAVD 88
FINISHED PAD ELEVATION: 6829.7', NAVD 88



VERT. SCALE: 1" = 30' HORZ. SCALE: 1" = 50' JOB No.: COPC021 DATE: 07/14/06





Russell Surveying 1409 W. Aztec Blvd. #5 Aztec, New Mexico 87410 (505) 334-8637

OPERATIONS PLAN

Well Name:

SAN JUAN 28-6 UNIT 184E

Location:

1580' FSL & 810' FEL, Section 07 T28N R06W

Rio Arriba County, New Mexico

Formation:

Dakota

Elevation: 6830' GL

Formation Tops:	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2738'	
Ojo Alamo	2738'	2914'	aquifer
Kirtland	2914'	3440'	gas
Fruitland Coal	3440'	3652'	gas
Pictured Cliffs	3652'	3824'	gas
Lewis	3824'	4254'	
Huerfanito Bentonite	4254'		
Chacra	4608'	5392'	gas
Massive Cliff House	53921	5467'	gas
Menefee	5467'	5828'	gas
Massive Point Lookout	5828'	6233 '	gas
Mancos Shale	6233'	7062'	
Upper Gallup	7062'	7773 '	gas
Greenhorn	7773 '	7832'	gas
Graneros	7832'	7871'	gas
Two Wells	7871'	7980'	gas
Upper Cubero	7980'	8016'	gas
Lower Cubero	8016'	8092'	gas
/Encinal	8092'	8092 '	gas
Total Depth:	8092'		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:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
120'- 3924'	LSND	8.4 - 9.0	30 - 60	no control
3924' - 8092'	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"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3924'	7"	20/23#	J-55
6 1/4"	0' - 8092'	4 1/2"	10.5#/11.6#	J-55

Tubing Program:

Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
0' - 8092'	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 -

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 354 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/25 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: 330 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (879 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 @ 2914'. Two turbolating centralizers at the base of the Ojo Alamo @ 2914'. 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 273 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 (540 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 producing well.
- 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 South half of Section 7 is dedicated to the Dakota formation.
- This gas is dedicated.



BURLINGTON RESOURCES

Completion/Workover Rig 80P Configuration 2,080 pel System

BURLINGTON RESOURCES

Choke Manifold Configur 2000 pei System

Burilington Resources

2000 psi System

Orilling Rig

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THE PRESENTATION

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

Figure #3

4-20-01

Figure #1

ture double gate BOP to be equipped with blind and pe rems. A stripping head to be installed on the top of

ha BOP. At BOP equipment is 2000 pel working

Plgure #2

eretions. 7-1/16" bore, 2000 pei minimum worf

10-02-9