UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT TO DRILL, DEEPEN	OR PLUG BACK	1 480
a.	Type of Work DRILL	5. Lease Number NMSF-07,8134	
o .	Type of Well JAN 2006	Unit Reporting Number 1270 CARMINGTON 1284	
	GAS RECEIVED OF COMPANY OF COMPAN		
	BURLINGTON RESCURCES Oil & Gas Company, LP 145.3.8	7. Unit Agreement Name	
	Address & Phone No. of Operator	8. Farm or Lease Name	
•	PO Box 4289, Farmington, NM 87499	Pierce SRC /860/ 9. Well Number	
	(505) 326-9700	101	
	Location of Well	10. Field, Pool, Wildcat	Jan 1 N
	Unit M (SWSW), 845' FSL & 835' FWL Basin	10. Field, Pool, Wildcat FC / GLOVE PRC/A 2-Fec Fruit Im 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 30 T31N P10N	וון טשבים
	natitude 30	Sec. 30, T31N, R10W	
	Longitude 107° 55.7741'W	API # 30-045-33538	
4.	Distance in Miles from Nearest Town	12. County 13. State San Juan NM	
5.	Distance from Proposed Location to Nearest Property or Lease Line 835'	,	
6.	Acres in Lease	17. Acres Assigned to Well FC - 31 5.3 acres W/2	
		PC - 159.66 acres SW/4	
8.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or A Twinned with the Pierce SRC #2C	pplied for on this Lease	
9.	Proposed Depth 2858'	20. Rotary or Cable Tools Rotary	
1.	Elevations (DF, FT, GR, Etc.) 6015' GL	22. Approx. Date Work will Start	
3.	Proposed Casing and Cementing Program See Operations Plan attached		
4 .	Authorized by: Sr. Regulatory Specialist	1-18-06 Date	
ERMI	T NO APPROVAL DAT	TE	
PPRO	OVED BY Jumbolo TITLE Alme A	DATE 1 26/06	

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.

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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

811 South First, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 OIL CONSERVATION DIVISIONAN 19 67 8 01 State Lease - 4 Copies Fee Lease - 3 Copies

Submit to Appropriate District Office

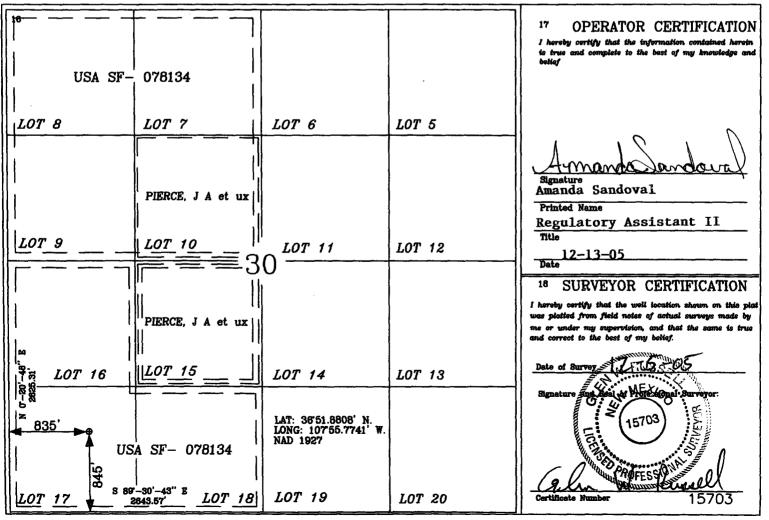
2040 South Pacheco Santa Fe, NM 87505 RECEIVED

SW4 159 66 PC & FS

DISTRICT IV 2040 South Pacheco, Santa	Santa Fe, NM 87505 RECEIMED Fe, NM 87505 070 FARMINGTON NO.	☐ AMENDED REPORT
,	WELL LOCATION AND ACREAGE DEDICATION PLAT	BlancoPC
¹ API Number 30-045-3	3538 71629 71240 72359 Basin Fruitland Coal Pool Name, Ass	
⁴ Property Code	⁶ Property Name	* Well Number
18601	PIERCE SRC	101 ~
**************************************	Operator Name	⁹ Elevation
14336	BURLINGTON RESOURCES OIL AND GAS COMPANY LP	6015'

¹⁰ Surface Location North/South line UL or lot no. Township Feet from the Feet from the East/West line Section Range Lot Idn County SOUTH 31-N 30 10-W 845' 835 WEST SAN JUAN M ¹¹ Bottom Hole Location If Different From Surface UL or lot no. Lot Idn Feet from the North/South line Feet from the East/West line Section Township County 18 Joint or Infill ¹⁴ Consolidation Code ¹² Dedicated Acres 15 Order No. W2 318. 35 FC

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

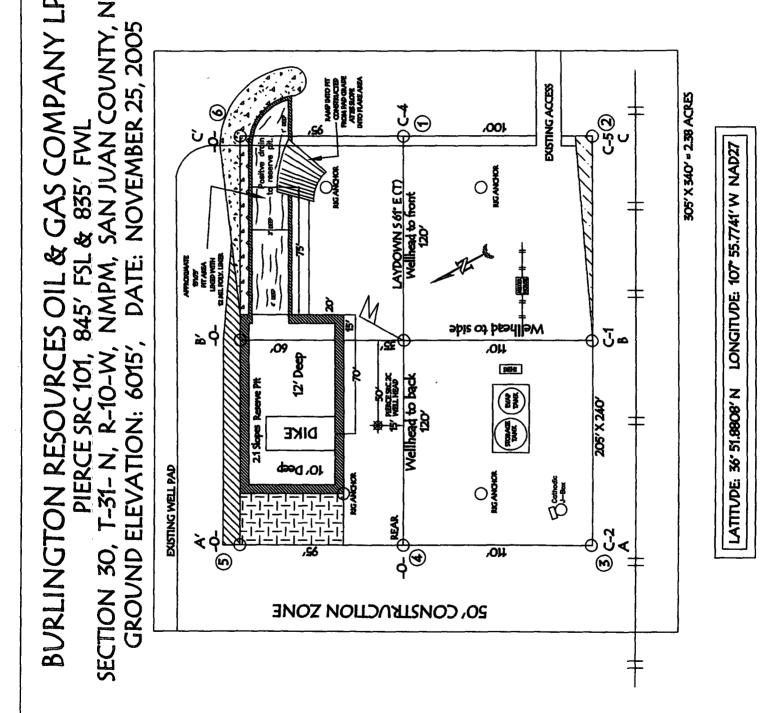


Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II		WELL API NO. 30-045-
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		Federal Lease - NMSF-078134
	S AND REPORTS ON WELLS O DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATION		Pierce SRC
PROPOSALS.)		0. W. H.N 1
1. Type of Well: Oil Well Gas Well X	Other	8. Well Number #101
2. Name of Operator		9. OGRID Number
BURLINGTON RESOL 3. Address of Operator	JRCES OIL & GAS COMPANY LP	14538 10. Pool name or Wildcat
	ET, FARMINGTON, NM 87402	Basin FC/ Aztec PC/ WC Fruitland Sands
4. Well Location		
Unit Letter M : 84 Section 30	45' feet from the South line and Township 31N Range 10	835' feet from the West line W NMPM County San Juan
	levation (Show whether DR, RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application	6015' GL	
Pit type New Drill Depth to Groundwa	·—— -	>1000' Distance from nearest surface water >1000
Pit Liner Thickness: n/a	mil Below-Grade Tank: Volume	bbls; Construction Material
NOTICE OF IN	ppropriate Box to Indicate Nature of N	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK		AL WORK ALTERING CASING
TEMPORARILY ABANDON		NCE DRILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING	/CEMENT JOB
OTHER: New I		
	operations. (Clearly state all pertinent details, and	
or recompletion.	SEE RULE 1103. For Multiple Completions: At	ach wellbore diagram of proposed completion
·		
New Drill, Unlined:		
Burlington Resources proposes to con	struct a new drilling pit and an associated vent/flar	e nit Rased on Burlington's interpretation of the
	new drilling pit and vent/flare pit will be an unline	
		ne NMOCD office. A portion of the vent/flare pit will be
	ortion will be unlined, as per the risk ranking criter Pit Closure Procedure dated August 2, 2004 on file	ia. Burlington Resources anticipates closing these pits
according to the Diffilling? Workover	in Closure i roccatare dated August 2, 2004 on me	that the NWOCD office.
I hereby certify that the information about	ve 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 close	d according to NMOCD guidelines, a general permit	X or an (attached) alternative OCD-approved plan
SIGNATURE Pally	TITLE Sr.	Regulatory Specialist DATE 1/12/2006
Type or print name Patsy (For State Use Only	Clargeton E-mail address: <u>pclugsto</u>	n@br-inc.com Telephone No. 505-326-9518
	- II A DEPUTY ON A	GAS INSPECTOR, DIST.
APPROVED BY	TITLE	DATE
Conditions of Approval (if any):	77 77/	
Conditions of ripproval (if any).		

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

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

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



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

BURLINGTON RESOURCES OIL & GAS COMPANY LP PIERCE SRC 101, 845' FSL & 835' FWL SECTION 30, T-31-N, R-10-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6015', DATE: NOVEMBER 25, 2005

6025 6005 ELEV. BB 6005 6005 6005 6005 6005 ELEV. CC 6005 6005 6005 6005 6005 6005 6005 600	ELEV. A'-A	5
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75	9009	
<u>M</u> 5	ELEV. B'-B	CL
	922	
5	7007	
75	\$0.25	M
75	6015	
75	3007	
	COOR	
	ELEV. C'-C	5
	.6035	
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	6015	
5009	9009	

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

OPERATIONS PLAN

Well Name:

Pierce SRC 101

Location:

Unit M (SWSW), 845' FSL & 835' FWL, Section 30, T31N, R10W

San Juan County, New Mexico

Latitude 36° 51.8808'N Longitude 107° 55.7741' W

Formation:

Basin Fruitland Coal

Elevation:

6015' GR

Formation:	Тор	Bottom	Contents
Ojo Alamo	1192'	1365'	aquifer
Kirtland	1365'	2220'	gas
T/Fruitland	2220'		gas
Pictured Cliffs	2658'		_
Total Depth	28581		

Logging Program: None

Mud Program:

<u>Interval</u>	Type	<u>Weight</u>	Vis. Fluid Loss
0- 120'	Spud/Air/Air Mist	8.4-8.9	40-50 no control
200-2858'	Non-dispersed	8.4-9.5	30-60 no control

Casing Program:

<u>Hole Size</u>	Depth Interval	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
8 3 "	0 - 120'	7"	20.0#	J-55
6 1 "	0 - 2858'	4 1/2"	10.5#	J/K-55

Tubing Program:

0 - 2858'	2 3/8"	4.7#	J-55
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Float Equipment: 7" surface casing - guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe and float collar on bottom. Centralizers run every third joint above shoe to the base of the Ojo Alamo @ 1365'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1365'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: $7" \times 4 \frac{1}{2}" \times 2 \frac{3}{8}" \times 11" 2000 \text{ psi xmas tree assembly.}$

Cementing:

7" surface casing Pre-Set Drilled - Cement with Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.28 cu ft per sack yield. (Bring cement to surface). Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

7" surface casing - Cement with 42 sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (54 cu ft of slurry @ 1.28 yield). 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.

WOC until cement establishes 250 psi compressive strength prior to NU of BOPE.

4 1/2" production casing - Cement with 167 sx (356 cu ft of slurry @ 2.13 yield) Premium Lite with 3% calcium chloride, 5 pps LCM-1, and 1/4#/sack celloflake, 0.4% FL-52, & 0.4% SMS. Tail with 90 sacks (124 cu ft of slurry @ 1.38 yield) Type III cmt with 1% calcium chloride, 1/4#/sack Celloflake and 0.2% FL-52. Total of 480 cf - 50% excess to circulate to surface.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rems to 600 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 1500 psi/30 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Fruitland Coal, Pictured Cliffs and Fruitland Sands formations will be completed.
- * Anticipated pore pressure for the Fruitland Coal is 600 700 psi.
- * This gas is dedicated.
- * The west half of the section is dedicated to FC and the SW/4 is dedicated to the FS and PC intervals for this well.
- New casing will be utilized.
- * Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

Drilling Engineer

Date

7/06

BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 2,000 psi System

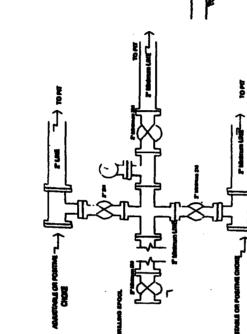
BURLINGTON RESOURCES

Drilling Rip Choke Manifold Configuration 2000 pel System

Burlington Recources

Drilling Rig 2000 pei System

RO FLOOR



2 2

E PRILATE LINE

ROTATING HEAD!

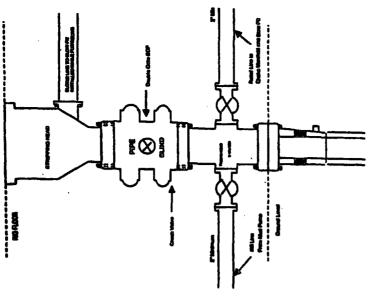
DOUBLE GATE

Chote manifold installation from Surface Castry Point to Total Depth. 2,000psi working pressure equipment with two chotes.

Figure #3

4-20-01

Figure #1



Minimum BOP installation for all Completion-Workover Operations, 7-4/16" bore, 2000 pal minimum working pressure double gats BOP to be equipped with blind and pipe rams. A stripping fread to be installed on the top of the BOP. All BOP equipment is 2000 pal working pressure or greater excluding 600 pal stripping head.

Figure #2

4-20-01