## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RCUD DCT31'06 DIL CDNS. DIU.

		- Off 4 - 24
la.	Type of Work (005 001 5	. Lease Number NMSF-080724-A
		EIVE) Unit Reporting Number
b.	Type of Well GAS	6. If Indian, All. or Tribe SF-080724-A
	Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name
	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	Pierce Federal A
	(505) 326-9700	9. Well Number #2F
۱.	Location of Well Unit F (SENW), 1975' FNL & 1665' FWL,	10. Field, Pool, Wildcat Basin Dakota
	Latitude 36° 68455'N	11. Sec., Twn, Rge, Mer. (NMPN Sec. 34, T29N, R10W
	Longitude 107° 87548'W	•
		API# 30-045-33989
4.	Distance in Miles from Nearest Town	12. County 13. Sta
		San Juan NM
15.	Distance from Proposed Location to Nearest Property of 1665'	r Lease Line
6.	Acres in Lease	17. Acres Assigned to Well  DK- 320 - N/2
8.	Distance from Proposed Location to Nearest Well, Drlg, Twinned with the Huerfanito Unit #66R	
9.	Proposed Depth	20. Rotary or Cable Tools
	6475′	Rotary
21.	Elevations (DF, FT, GR, Etc.) 5649' GL	22. Approx. Date Work will Sta
23.	Proposed Casing and Cementing Program	
	See Operations Plan attached	
<b>24</b> .	Authorized by: Pathy Cluston	- 10/5/06
	Sr. Regulatóry Spec <b>ŕ</b> alist	Date /
	T NO.	PROVAL DATE

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 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.

NMOCD

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 3165.4

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

1301 W. Grand Ave., Artesia, N.M. 88210

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

UL or lot no.

DK-320.0 ac N2

1220 South St. Francis Dr., Santa Fe, NM 87505

Section

Township

Range

### State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

East/West line

Feet from the

State Lease - 4 Copies

☐ AMENDED REPORT

County

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

2008 OCT 5 PM 4 24

API Number 30- 045- 33	789 71599	- 1 D 1		
<sup>1</sup> Property Code 7389 1391		<sup>3</sup> Property Name PIERCE FEDERAL A	<sup>5</sup> Well Number 2F	
OCRID No. 14538	BURLINGTON R	*Operator Name ESOURCES OIL & GAS COMPANY LP	<sup>9</sup> Elevation 5649	

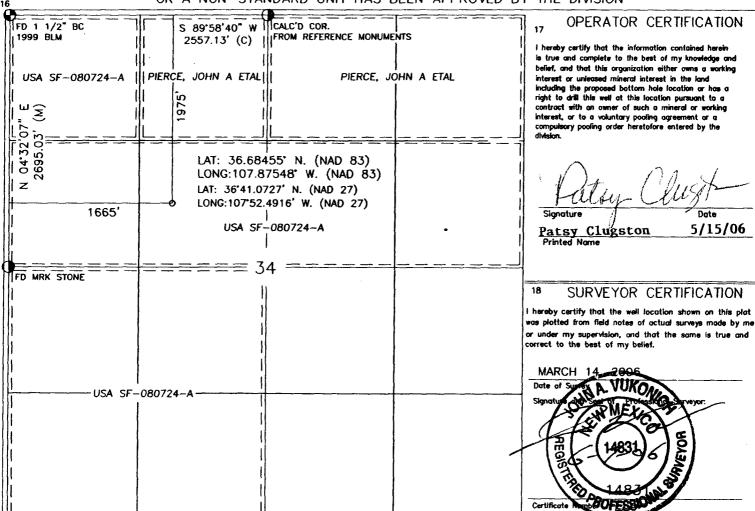
<sup>10</sup> Surface Location North/South line

Feet from the

Lot Idn

F	34	29-N	10-W		1975	NORTH	1665	WEST	SAN JUAN
			<sup>11</sup> 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	East/West line	County
F				L					
<sup>12</sup> Dedicated Acres		13 J	oint or Infill		<sup>14</sup> Consolidation Co	de	<sup>15</sup> Order No.		
		}					1		

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

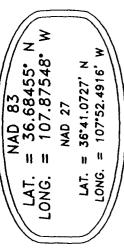


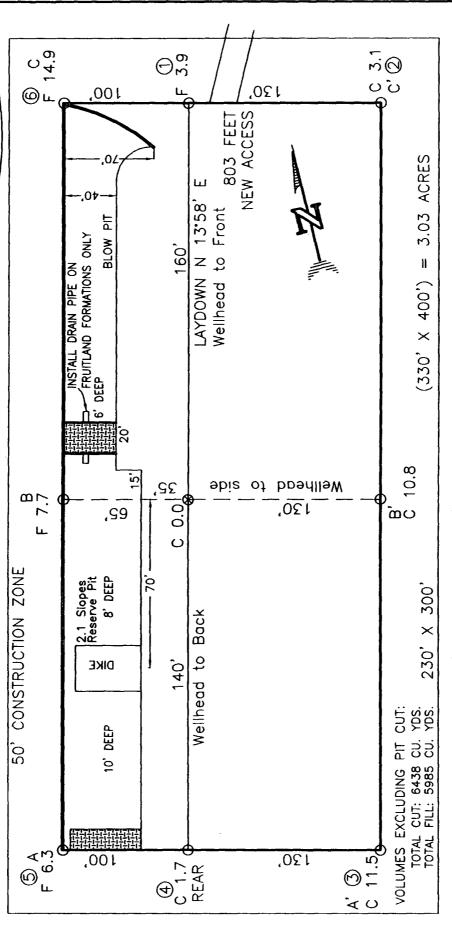
Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II		WELL API NO. 30-045- 33989
1301 W. Grand Ave., Artesia, NM 88210		5. Indicate Type of Lease
District III  1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr. Santa Fe, NM 87505	STATE FEE 6. State Oil & Gas Lease No.
District IV	•	
1220 S. St. Francis Dr., Santa Fe, NM 87	7505 ICES AND REPORTS ON WELLS	SF-080724-A 7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSAL	LS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	
DIFFERENT RESERVOIR. USE "APPLICAT PROPOSALS.)	FION FOR PERMIT" (FORM C-101) FOR SUCH	Pierce Federal A
1. Type of Well:		8. Well Number
Oil Well Gas Well X  2. Name of Operator	Other	2F 9. OGRID Number
	SOURCES OIL & GAS COMPANY LP	14538
3. Address of Operator	REET, FARMINGTON, NM 87402	10. Pool name or Wildcat  Basin Dakota
4. Well Location		
Unit Letter F : Section 34	1975' feet from the North line and Township 29N Rng 10V	1665' feet from the West line W NMPM County San Juan
	1. Elevation (Show whether DR, RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application	5649'	<b>建筑建筑是新疆域是新疆域的,</b>
Pit type New Drill Depth to Ground		>1000' Distance from nearest surface water <1000'
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check	Appropriate Box to Indicate Nature of No	otice, Report or Other Data
	INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	-d	AL WORK ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	nd january	NCE DRILLING OPNS. P AND A CEMENT JOB
OTHER: New	Drill Pit X OTHER:	
	eted operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date
of starting any proposed wor	k). SEE RULE 1103. For Multiple Completions: Atta	
or recompletion.		
Nov. Daill Lined.		
New Drill, Lined:		
	construct a new drilling pit and an associated vent/flare	
		lington's Revised Drilling / Workover Pit Construction / of the vent/flare pit will be designed to manage fluids and
		es closing these pits according to the Drilling / Workover
	st 2, 2004 on file at the NMOCD office.	
I hereby certify that the information a	bove is true and complete to the best of my knowledge	and haliaf I to at a second and haliaf
	losed according to NMOCD guidelines, a general permit	
SIGNATURE ALSES	Chest TITLE St. F	Regulatory Specialist DATE 6/9/2006
<del>//</del>	IIILE SI. F	Regulatory Specialist DATE 6/9/2006
Type or print name Pats For State Use Only		
/	sy Clugston E-mail address: <u>pclugston</u>	@br-inc.com Telephone No. 505-326-9518
/~ /~	A LED PRINTER	CAS INCORPORATE AND MICH AND A 1 200C
APPPROVED BY Conditions of Approval (if any)	2	GAS INSPECTOR, DIST. DATE DATE

# BURLINGTON RESOURCES OIL & GAS COMPANY LP PIERCE FEDERAL A No. 2F, 1975 FNL 1665 FWL

SECTION 34, T-29-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 5649, DATE: MARCH 14, 2006





PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT. RESERVE P BLOW PIT:

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

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 PIPELINES OR NOTE:

Daggett Enterprises, Inc. P. O. Box 15068 • Farmington, NM 87401 Phone (505) 326-1772 · Fax (505) 326-6019 Surveying and Oil Field Services NEW MEXICO L.S. 1483 NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

## BURLINGTON RESOURCES OIL & GAS COMPANY LP PIERCE FEDERAL A No. 2F, 1975 FNL 1665 FWL

SECTION 34, T-29-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 5649, DATE: MARCH 14, 2006

LAT. = 36.68455° N LONG. = 107.87548° W NAD 27 LAT. = 36.41.0727' N LONG. = 107.52.4916' W

ン A-A. 5660 5650 5640 5630 ELEV.

\L						       	
C/L							
-B,			        -				
ELEV. B-B'	U U	2660		5650	5640	5630	

C/L				
ELEV. C-C'	2660	5650	5640	5630

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR	UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO	ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO	EXCAVATION OR CONSTRUCTION.

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. NOTE:

KEVISION:		DAILE	MEYEND BY:
NAME CHANGE		06/07/08	٧¢
WELL RESTAKE		90/81/90	ላሴ
	Daggett Surveying a	Daggett Enterprises, Inc. Surveying and Oil Field Services	es, Inc.
	Phone (505) 326	P. U. Box 13050 • ramington, NW 67401 Phone (505) 326–1772 • Fax (505) 326–6019 NEW MEYICO I S. 14934	7, KM 6/401 25) 326–6019
DECUM BY: G.V.	E	CONT. BR616CFB	

### OPERATIONS PLAN

PIERCE FEDERAL A 2F

Well Name:

MATT Name:	PIERCE FEDERAL A 2F			
Location:	1975' FNL & 1665' FWL, S	ection 34 T29	N R10W	
	San Juan County, New Mex	ico		
Formation:				
Elevation:	Basin Dakota			
	5649' GL			
Surface	San Jose			
Surface	San Jose	773'		
Ojo Alamo	773'	878'		aquifer
Kirtland	878'	1616'		gas
Fruitland	1616'	1891'		gas
Pictured Cliffs	1891'	2053'		gas
Lewis	2053'	2491'		_
Huerfanito Bentonite	2491'			
Chacra	2871'	3468'		gas
Massive Cliff House	3468'	3558'		gas
Menefee	3558'	4178'		gas
Massive Point Lookout	4178'	4538'		gas
Mancos Shale	4538'	5416'		•
Upper Gallup	5416'	6184'		gas
Greenhorn	6184'	6253'		gas
Graneros	6253'	6304'		gas
Two Wells	6304'	6365'		gas
Paguate	6365'	6432'		gas
Cubero	6432'	6497'		gas
Encinal	6497'	6475'		gas
Total Depth:	6475'			gas
				J
Logging Program:				
Mud Logs/Coring/DS	ST			
Mud logs				
Coring				
	- none			
Open hole	- none			
	- Gamma Ray, CBL - surfac	e to TD		
	• •			
Mud Program:				
<u>Interval</u>	<u>Type</u>	Weight	Vis.	Fluid Loss
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
120'- 2153'	LSND	8.4 ~ 9.0	30 - 60	no control
2153' - 6475'	Air/Air Mist/Nitrogen	n/a	n/a	n/a
	, the equivalent, or bette	r):		
<u> Hole Size</u>	Depth Interval	Csg.Size	<u>Wt.</u>	<u>Grade</u>
12 1/4"	1200 أكلار - ١٥٠	9 5/8"	32.3#	H-40
8 3/4"	0' - 2153'	7"	20#	J-55
6 1/4"	0' - 6475'	4 1/2"	10.5#	J-55
Tubing Program:			144	_
	Depth Interval	Csg.Size	<u>Wt.</u>	Grade
	0' - 6475'	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 -

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.

C. HARRADEN/ October 6, 2006

BURLINGTON RESOURCES/ Pierce Federal A #2F 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.

### 7" intermediate casing -

Lead with 355 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/31 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: 137 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (480 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 @ 878'. Two turbolating centralizers at the base of the Ojo Alamo @ 878'. 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 292 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 (588 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.

1992-4

he 80P. All 80P equipment to 2000 pal working

4-20-01

Figure #1

ma. A stripping head to be know