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

a.	Type of Work 2005 MM	5. Lease Number	
α.	DRILL	NMSF-0779	1
		ECEIVED Unit Reporting Nur	
b.	Type of Well	6. If Indian, All. or Tri	be
	GAS		
	Operator	7. Unit Agreement Na	ıme
	BURLINGTON RESOURCES Oil & Gas Company		
	Address & Phone No. of Operator	8. Farm or Lease Nan	ne
•	PO Box 4289, Farmington, NM		
	i de la companya de	9. Well Number	
	(505) 326-9700	#100s	
	Location of Well	10. Field, Pool, Wildc	
	Unit L (NWSW), 1590' FSL, 1225	5' FWL Basin Fruitland	Coal
		11. Sec., Twn, Rge, M	er. (NMPM)
	Latitude 36° 45.1045'N	/ Sec. 4, T29N, R	11W
	Longitude 108° 00.0711'W	API# 30-045- 33	00)
4.	Distance in Miles from Nearest Town	12. County	13. State
	7 miles to Interstate 550 & 64	4 Bloomfield, NM San Juan	NM
5.	Distance from Proposed Location to Near	est Property or Lease Line	
6.	Acres in Lease	17. Acres Assigned to	o Well
		306.5 <b>€</b> ₩/2	
8.		rest Well, Drlg, Compl, or Applied for on this Lea	ise
9.	2253'- Oswell Federal #1 Proposed Depth	20. Rotary or Cable T	ools
<b>3</b> .	2244'	Rotary	COIS
<u></u> !1.	Elevations (DF, FT, GR, Etc.) 5830 ' GL	22. Approx. Date Wo	rk will Start
23.	Proposed Casing and Cementing Program		······································
	See Operations Plan attached	1	
24.	Authorized by: Amanda So	andoral 5-19-	<u> ۸</u> 5
· <del>··</del> ·	Regulatory Complia		
====	IIT NO.	APPROVAL DATE	
LKIV	XIMI.	10-	00
	OVED BY (V)// Oulleo (2)	TITLE AND DATE	6240

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.

MMOCD

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 86240

# 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 IV

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

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505 1 59 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

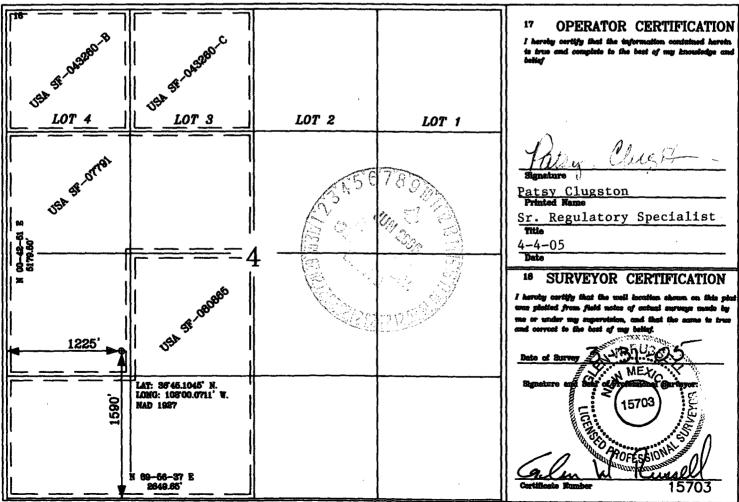
<sup>1</sup> APi Number		<sup>8</sup> Pool Code	Pool Name	,
30-045- 33100		71629	Basin Fruitland Coal	
<sup>4</sup> Property Code		<sup>6</sup> Property Name		• Vell Number
7374		OSWELL FEDERAL		100S
OGRID No.			<sup>6</sup> Operator Name	* Elevation
14538		BURLINGTON RESO	URCES OIL AND GAS COMPANY LP	5830'

<sup>10</sup> Surface Location

ſ	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
ı	L	4	29-N	11-W		1590'	South	1225'	WEST	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/Vest line	County
- 1	L					į				

18 Dedicated Acres <sup>18</sup> Joint or Infill <sup>14</sup> Consolidation Code 15 Order No. 306.56 ac W/2

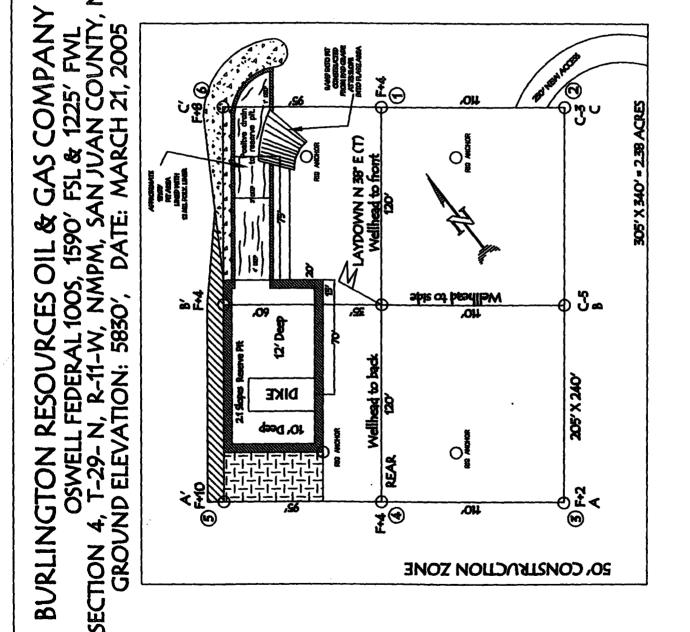
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Office District I	State of New Mexico	Form C-103
District i	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.
District II	OII CONSEDUATION DIVISION	30-045-
1301 W. Grand Ave., Artesia, NM 88210 District III	OIL CONSERVATION DIVISION	5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.	
District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No. NMSF-07791
1220 S. St. Francis Dr., Santa Fe, NM 87505		TUNEST OFFI
	S AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATION	O DRILL OR TO DEEPEN OR PLUG BACK TO A JEON PERMIT" (FORM CLIQL) FOR SLICH	
PROPOSALS.)	(FORTIAGET (FORGE-TOT)) FOR BUCH	Oswell Federal
1. Type of Well:		8. Well Number
Oil Well Gas Well X	Other	100S
2. Name of Operator		9. OGRID Number
3. Address of Operator	IRCES OIL & GAS COMPANY LP	14538  10. Pool name or Wildcat
•	ET, FARMINGTON, NM 87402	Basin Fruitland Coal
4. Well Location		Dani Tuning Con
	90 feet from the South line and	1225 feet from the West line
Section 4	Township 29N Range 11V levation (Show whether DR, RKB, RT, GR, etc.)	V NMPM County San Juan
	5830'	
Pit or Below-grade Tank Application X	or Closure	
Pit type New Drill Depth to Groundwat	er >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 Charle A	namenajete Pour to Indicate Nicture of Nic	tion Deport on Other Deta
•	ppropriate Box to Indicate Nature of No	•
NOTICE OF INT	I	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	——————————————————————————————————————	AL WORK ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING		CE DRILLING OPNS. P AND A
FULL OR ALTER CASING	MOLTIPLE COMPL CASING/	CEMENT JOB
OTHER: New Dri	ill Pit X OTHER:	П
13. Describe proposed or completed	operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date
	SEE RULE 1103. For Multiple Completions: Atta	
or recompletion.		
		•
		·
	1	
	•	
Burlington Resources proposes to con	struct a new drilling pit and an associated vent/flare	nit Based on Burlington's interpretation of the
	struct a new drilling pit and an associated vent/flare	
Ecosphere's risk ranking criteria, the r	new drilling pit and vent/flare pit will be an unlined	pit as detailed in Burlington's Revised Drilling / Workover
Ecosphere's risk ranking criteria, the r Pit Construction / Operation Procedur	new drilling pit and vent/flare pit will be an unlined es dated November 11, 2004 on file at the NMOCI	pit as detailed in Burlington's Revised Drilling / Workover Doffice. A portion of the vent/flare pit will be designed to
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HILTIMES OF CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRUCE TO CONSTRUCTION.

WOTE. VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR NUMBERINES.



LATITUDE: 36' 45.1045' LONGITUDE: 108' 00.0711' NADZ7

RESERVE MIT DIKE. TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND I' ABOVE SHALLOW SIDE).

# BURLINGTON RESOURCES OIL & GAS COMPANY LP OSWELL FEDERAL 1005, 1590' FSL & 1225' FWL SECTION 4, T-29- N, R-11-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 5830', PATE: MARCH 21, 2005

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\*, •

ELEV. A'-A	5
5850	
5840	
2830	
5820	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ELEV. 8'-8	₽.
5850	
5840	
C020	
Ococ	
5820	
ELEV. C'-C	15
5850	
5840	
5830	
5820	

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 IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

### OPERATIONS PLAN

Well Name:

Oswell Federal #1005

Location:

Unit L (NW/SW) 1590' FSL & 1225' FWL, Section 4, T29N, R11W

San Juan County, New Mexico

Latitude 36° 45.1045'N; Longitude 108° 00.0711'W

Formation:

Basin Fruitland Coal

Elevation:

5830' GR

Formation:	Тор	Bottom	Contents
Surface	San Jose		
Ojo Alamo	734'		
Kirtland	844'	1829'	gas
T/Fruitland	1829'		gas
B/Fruitland Coal	2044'		gas
Pictured Cliffs	2064'		-
Total Depth	2244'		

Note: The Total Depth for this well is into the Pictured Cliffs interval, but currently only have plans to complete the Fruitland Coal interval. We could in the near future perforate/stimulate the Pictured Cliffs interval, but only would once Regulatory approval was asked for and received.

Logging Program: None

### Mud Program:

Interval	Type	Weight	Vis. Fluid Loss
0- 120'	Spud air air-	MA 8.4-8.9	40-50 no control
120-2244'	Spud our our v Non-dispersed	8.4-9.5	30-60 no control

### Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq.Size</u>	<u>W†.</u>	<u>Grade</u>
8 <del>3</del> "	0 - 120'	7"	20.0#	J-55
6 <del>1</del> "	0 - 2244'	4 1/2"	10.5#	J/K-55

## Tubing Program:

0 - 2244' 2 3/8" 4.7# J-55

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 @ 844'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 844'. 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 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, 1.61 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 104sx (221 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 345cf - 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 rams 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 formation will be completed.
- \* Anticipated pore pressure for the Fruitland is between 600 700 psi.
- This gas is dedicated.
- \* The west half of the section is dedicated to Fruitland Coal and W/2 is dedicated to Fruitland Coal for this well.
- \* New casing will be utilized.
- \* Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

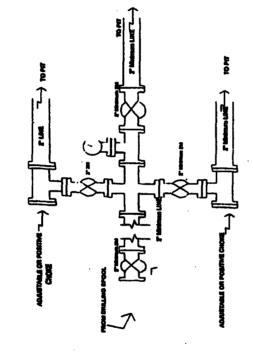
Drilling Engineer	4-19-05
Drilling Engineer	Date

Choke Menifold Configuration 2000 pei System

Burlington Resources

2000 pal System

Oriting Rig



Ä

PPLUP UNE

tokst to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

4-20-01

Figure #1

the rame. A stripping head to be installed on the top of wre double gate BOP to be equipped with blind and

he BOP. All BOP equipment is 2000 pel working

Pigure #2

versitions. 7-1/16" bors, 2000 pel minimum world

Minimum BOP installation for all Com

4-20-01