UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	Type of Work	5. Lease Number	10.
	DRILL		
		NMNM-03202 Unit Reporting Number	
	AUG 2006 வி	O70 FARMINGTON	HM
).	Type of Well	6. If Indian, All. or Tribe	
	GAS		
	Operator	7. Unit Agreement Name	
	BURLINGTON		
	RESOURCES Oil & Gas Company Sylving		
	Service Control of the Control of th		
	Address & Phone No. of Operator	8. Farm or Lease Name	
	PO Box 4289, Farmington, NM 87499	San Juan	
	(505) 326-9700	9. Well Number #10E	
	(303) 320-3700	#102	
 -	Location of Well	10. Field, Pool, Wildcat	
	Unit M (SWSW), 1230' FSL, 1115' FWL	Basin Dakota	
/		· · · · · · · · · · · · · · · · · · ·	
	Latitude 36° 49.3727'N	11. Sec., Twn, Rge, Mer. (N	
	Latitude 360 23.3727 M Longitude 1070 52.5960'W	Sec. 10, T30N, R16W	
	Longitude 107° 52.5960°W	API# 30-045-33880	P
 ŀ.	Distance in Miles from Nearest Town	12. County 13	3. Stat
•	10.1 miles to Post Office in Aztec, NM	San Juan	NM
•	Distance from Proposed Location to Nearest Property or Lease Line 1115'	•	
6.	Acres in Lease	17. Acres Assigned to Well	i
		310.260 W2	
 B.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or	Annlied for an this Lease	
•	102'- San Juan #200	Applied for on this Lease	
).	Proposed Depth	20. Rotary or Cable Tools	
	37697'	Rotary	
	Floor (See F. O.D. Fr.)		
1.	Elevations (DF, FT, GR, Etc.) 6487'GL	22. Approx. Date Work wi	III Star
3.	Proposed Casing and Cementing Program		
	See Operations Plan attached		
4.	Authorized by 1 Authorized a Color	8-8-01	
۴.	Authorized by: MMANA NAME Regulatory Analyst	Date	
	Regulatory Analyst	Dace	
RMi	T NO. APPROVAL DA	TE	
	WED BY AMILO AND AT	11	אמו
22K(OVED BY SIII (Onlease) TITLE AT	DATE S	< Z/

MMOCD heta

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.

-27

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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

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

State of New Mexico Energy, Minerals & Natural Resources Department

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210 OIL CONSERVATION DIVISION

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

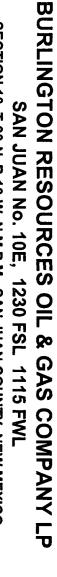
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

'API	Pl Number Pool Code Pool Nome Pool Nome 5- 33860 71599 Basin Dakota										
*Property Cod 7451			Name JAN					I Number 10E			
OGRID No.	PURINCTON PECOLIPCES OU						VY LF	·			Elevation 5487
<u> </u>		<u></u>			¹⁰ Surface	Location				···-	
UL or lot no.	Section 10	Township 30-N	Range 10-W		Feet from the	North/South line SOUTH	1	from the	East/West I	ine	County SAN JUAN
<u> </u>			" Botto	om Hole	Location	If Different Fro	om :	Surface			<u> </u>
UL or lot no.	Section	Township	Range		Feet from the	North/South line		from the	East/West I	line	County
¹² Dedicated Acres		U	Joint or Infili	1	⁴ Consolidation C	ode	15 Ord	er No.		-	
DK 310.26	Oac.	W2									
NO ALLOW	ABLE V					ION UNTIL ALL BEEN APPROVEC				N CO	NSOLIDATED
<u> </u>				īĪ —			$\overline{}$	17 OF	PERATOR	CERT	IFICATION
LOT 4 39.23			OT 3 9.44		OT 2 0.64	LOT 1 39.84		I hereby cert is true and a belief, and th interest or u including the right to drill contract with interest, or t	tify that the inforcomplete to the bat this organization inleased mineral in proposed bottom this well at this in an owner of sucto a voluntary pocooling order herei	mation cor pest of my ion either nterest in hole loca location pa to a miner oling agree	ntained herein is knowledge and owns a working the land tion or has a ursuant to a al or working ment or a
LOT 5 38.86 5 3 1/4" BC 1967 BLM			OT 6 0.07	LOT 7 39.27		LOT 8 39.47		Printed N	da Sanch		1-20-0(ρ) Date
	USA NM-			10				18 SL	JRVEYOR	CERT	IFICATION
(W) (W)			OT 11 3.70	· 1	T 10 3.91			was plotted fro or under my s	om field notes of supervision, and	factual s that the	shown on this plat urveys made by me same is true and
2523 2523 2623 2623 28.50 101 13		LONG: 10 LAT: 36'4	7.87660° 9.3727′ N.		3)	LOT 9 39.11			3, 2006	ON	CABINO
1115'	O								MEY 14831 PAPOFESSI	es?	ROY
LOT 13 38.13	1230		OT 14 3.33	1 1	T 15 3.54	LOT 16 38.74		14	PROFFORM	MALSI	
FD 3 1/4" BC			N 86 ⁻ 523:	59'14" W 3.92' (M)		FD 3 1/4" 1967 E		Certificate Nu	amber	Janes Comment	

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		WELL API NO.	33866
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease	<u> </u>
District III	1220 South St. Francis Dr.	1 1 1 1	FEE 🔲
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.	
District IV 1220 S. St. Francis Dr., Santa Fe, NM 875	505	NIMONIM 0220	2
	CES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement	
(DO NOT USE THIS FORM FOR PROPOSAL	S TO DRILL OR TO DEEPEN OR PLUG BACK TO A		
DIFFERENT RESERVOIR. USE "APPLICATI PROPOSALS.)	ON FOR PERMIT" (FORM C-101) FOR SUCH	San Juan	į
1. Type of Well:		8. Well Number	
Oil Well Gas Well X	Other	10E	
2. Name of Operator	OVER COVER C	9. OGRID Number	
3. Address of Operator	OURCES OIL & GAS COMPANY LP	14538 10. Pool name or Wildcat	
	REET, FARMINGTON, NM 87402	Basin Dakot	a
4. Well Location	1000	1115	
Unit Letter M : Section 10	1230 feet from the Township South 30N line and Rng 10V		est line San Juan
	Elevation (Show whether DR, RKB, RT, GR, etc.)	, AMI M County	Gan Jaan
	6487'		
Pit or Below-grade Tank Application	or Closure		\$ 200
Pit type New Drill Depth to Ground		>1000 Distance from nearest sur	rface water <1000
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls; Construction Material	
	Appropriate Box to Indicate Nature of No	· •	
	NTENTION TO:	SUBSEQUENT REPORT	
PERFORM REMEDIAL WORK TEMPORARILY ABANDON	PLUG AND ABANDON REMEDIA CHANGE PLANS COMMEN		TERING CASING IND A
PULL OR ALTER CASING	├	CEMENT JOB	IND A
OTHER.	D.III		_
	v Drill X OTHER:	give partinent dates including actin	noted date
13. Describe proposed or complete	ted operations. (Clearly state all pertinent details, and		
13. Describe proposed or complete			
13. Describe proposed or complet of starting any proposed work	ted operations. (Clearly state all pertinent details, and		
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LONG.

NAD 83 = 36.82290° N = 107.87660°

LONG. M.

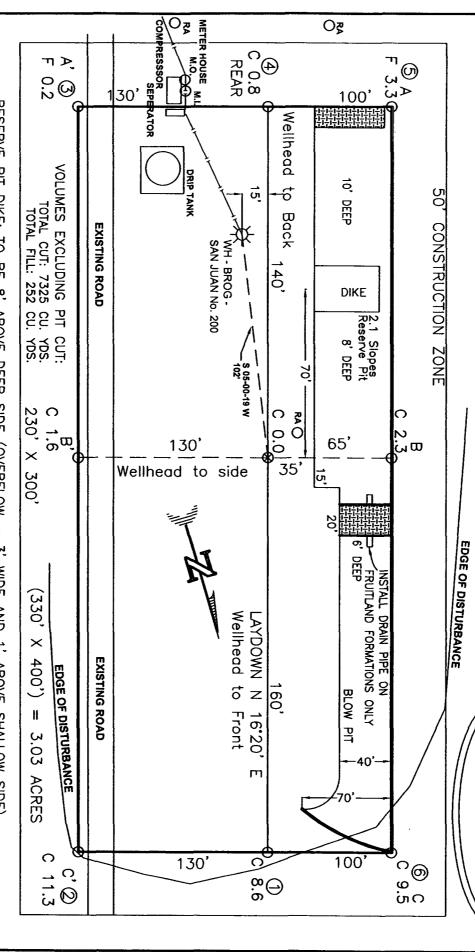
107*52.5960 W

= 36.49.3727' N

NAD 27

SECTION 10, T-30-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6487, DATE: JUNE 13, 2006



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

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.

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

Daggett Enterprises, Inc Surveying and Oil Field Services P. O. Box 15068 • Formington, NM 87401 Phone (505) 326—1772 · Fax (505) 326—6019

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



BLOW PIT

BURLINGTON RESOURCES OIL & GAS COMPANY LP SAN JUAN No. 10E, 1230 FSL 1115 FWL

6490	BURLINGTON RESOURCES OIL & GAS COMPANY LP SAN JUAN No. 10E, 1230 FSL 1115 FWL SECTION 10, T-30-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 6487, DATE: JUNE 13, 2006 ELEV. A-A' ELEV. A-A' C/L
	NAD 83 LAT. = 36.82290° N LONG. = 107.87660° W NAD 27 LAT. = 36*49.3727' N LONG. = 107*52.5960 W

6470	6480	6490	6500	ELEV. C-C'	6470	6480	6490	6500	ELEV. B-B'
				C,					œ.
		-							
				C			·		C
				C/L					C/L
			-			-			

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.

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Surveying and Oil Field Services P. O. Box 15068 • Farmington, NM 87401 Daggett Enterprises, Inc. Phone (505) 326-1772 · Fax (505) 326-6019

CHAPTE: BREASCES

OPERATIONS PLAN

Well Name:

SAN JUAN 10E

Location:

1230' FSL & 1115' FWL, Section 10 T30N R10W

San Juan County, New Mexico

Formation:

Basin Dakota

Elevation:

6487' GL

Formation Tops:	<u>Top</u>	Bottom	<u>Contents</u>
Surface	San Jose	1849'	
Ojo Alamo	1849'	1912'	aquifer
Kirtland	1912'	2909'	gas
Fruitland Coal	2909'	3125'	gas
Pictured Cliffs	3125'	3297'	gas
Lewis	3297'	3856'	
Huerfanito Bentonite	3856'		
Chacra	4161'	4719'	gas
Massive Cliff House	4719'	4879 '	gas
Menefee	4879'	5406'	gas
Massive Point Lookout	5406'	י 5809	gas
Mancos Shale	י809'	6680'	
Upper Gallup	6680'	7397'	gas
Greenhorn	7397'	7448'	gas
Graneros	7448'	7497'	gas
Two Wells	7497'	7587'	gas
Paguate	7587'	7638'	gas
Cubero	7638'	7697'	gas
Total Depth:	7697'		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>	Vis.	Fluid Loss
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
120'- 3397'	LSND	8.4 - 9.0	30 - 60	no control
3397' - 7697 <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	$\underline{\mathtt{Csg.Size}}$	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3397'	7"	20#	J-55
6 1/4"	0' - 7697'	4 1/2"	10.5#	J-55

Tubing Program:

Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
0' - 7697'	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 ½" 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 299 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: 273 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (760 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 @ 1912'. Two turbolating centralizers at the base of the Ojo Alamo @ 1912'. 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 281 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 (557 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:

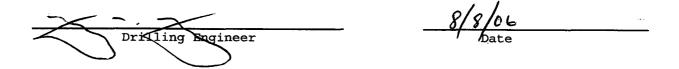
- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite 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 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 West half of Section 10 is dedicated to the Dakota formation.
- This gas is dedicated.



Completion/Workover Rig BOP Configuration 2,000 pai System

> Drilling Rig Choke Manffold Configuration 2000 pel System

Burlington Resources

Drilling Rig 2000 psi System

RO PLODA

Choixe mention bestitation from Burface Castery Point to Total Depth. 2,000per working pressure equipment with two choixes.

Minimum BOP installation for ell Completion/Workover
Operationa, 7-1/16" bore, 2000 pel minimum working
pressure doublie gate BOP to be equipped with blind and

unasure or greater enchaing 600 pai atripping head. Pignire #2

perama. A stripping head to be installed on the top of

he BOP. All BOP equipment is 2000 pal working

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Figure #1