UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

la.	Type of Work 2009 MAY 24 24 1 2	5. Lease Number USA SF-079266 Unit Reporting Number
lb.	Type of Well CTO TANK TO A	6. If Indian, All. or Tribe
		- j
2.	Operator BURLINGTON RESCURCES Oil & Gas Company	્રા D₩ ઃ Vaughn
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499	8. Farm or Lease Name 9. Well Number
	(505) 326-9700	14N
 i.	Location of Well Unit F (SENW), 1870' FNL, 1800' FWL	10. Field, Pool, Wildcat Blanco Mesaverde/Basin Dako
	Latitude 36° 27.5922	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 27, T26N, R6W
	Longitude 107° 27.4500	API# 30-039- 29924
4.	Distance in Miles from Nearest Town	12. County 13. State Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property or L	ease Line
6.	Acres in Lease	17. Acres Assigned to Well 320.0 ac W2 MV/DK
8.	Distance from Proposed Location to Nearest Well, Drlg, Co	ompl, or Applied for on this Lease
9.	Proposed Depth 7394'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6669'	22. Approx. Date Work will Start
3.	Proposed Casing and Cementing Program See Operations Plan attached	
24.	Authorized by: Amanda Ocundous Regulatory Analyst	5-24-06 Date
ERM	IT NO. APPRO	OVAL DATE
\PPR(OVED BY AMILE & TITLE AT	EM DATE 6/26/86
	eological Report attached	

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

This action is subject to technical and procedural review pursuant to 43 CFR 3165.8 and appeal pursuant to 43 CFR 3165.4

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

NMOCD

District I PO Box 1980, Hobbs, NM 88241-1980 State of New Mexico Energy, Minerals & Natural Resources Department Form C-102 Revised February 21, 1994 Instructions on back

District II PO Drawer DD, Artesia, NM 88211-0719 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

District III 1000 Rio Brazos Rd., Aztec, NM 87410 OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

50 1 29 AMENDED REPORT

District IV PO Box 2088, Santa Fe, NM 87504-2088

U BOX 2000,	Salita FE,	NM 67304	-2000				RITE	Service and the service and th			
			WELL	LOCAT	ION AND) AC	CREAGE DED		AT		
_/	API Numbe		T	*Pool Cod	le			'Pool Nam	е .		
30-039-	29€	124	723	19 / 71	599	B1ar	nco Mesaverd	e / Basin))akota		
'Property Code 7623				*Property Name VAUGHN					Nell Number 14N		
'OGRID I	No .				*Oper	ator	Name			Elevation	
14538	-		BURL IN	NGTON F	RESOURCE	S O	OIL & GAS CO	MPANY, LP	ļ	6669'.	
		·			10 Surfac	ce l	Location				
u. or lot no.	Section 27	26N	Range 6W	Lot Idn	Feet from		North/South line NORTH	Feet from the	East/West line WEST	County RIO ARRIBA	
		11 E	ottom	Hole L	ocation	ı If	f Different	From Surf	ace		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/West line	County	
F											
Dedicated Acres		c W2			¹³ Joint or Inf	111	¹⁴ Consolidation Code	⁸⁵ Order No.			
NO ALLOW	IABLE W	ILL BE OR A	ASSIGNED NON-ST	TO THE	IS COMPLI UNIT HAS	ETIC BE	ON UNTIL ALL EN APPROVED	INTERESTS H BY THE DIVI	AVE BEEN CO	NSOLIDATED	
LON L LAT: L ONG :	T: 36.459 NG: 107.49 DATUM: NA 	5810 W 1083 922 N 4500 W		315.64				I hereby contains to the to th	Sandoval Name tory Analy	information and complete ge and belief	
1800' 840'				7		i	! !	<u>3/11/2</u> Date	UUU		

LAT: 36.45988 N
LONG: 107.45810 'W
DATUM: NAD83

LAT: 36.27.5922 N
LONG: 107.27.4500 W
DATUM: NAD87

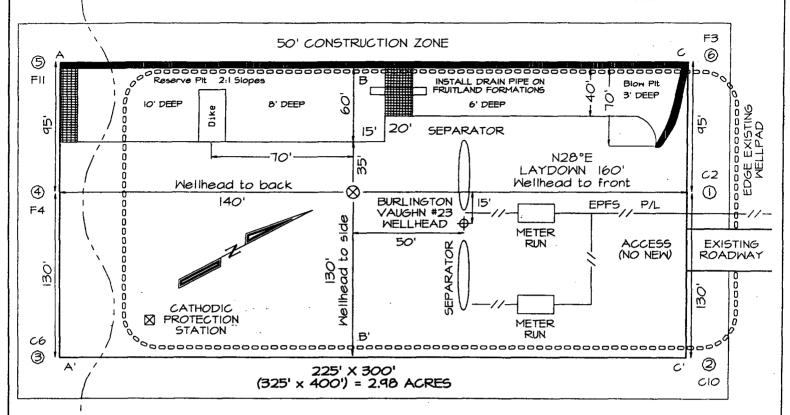
1800' 840'

EMAN SERVICE STATES ST

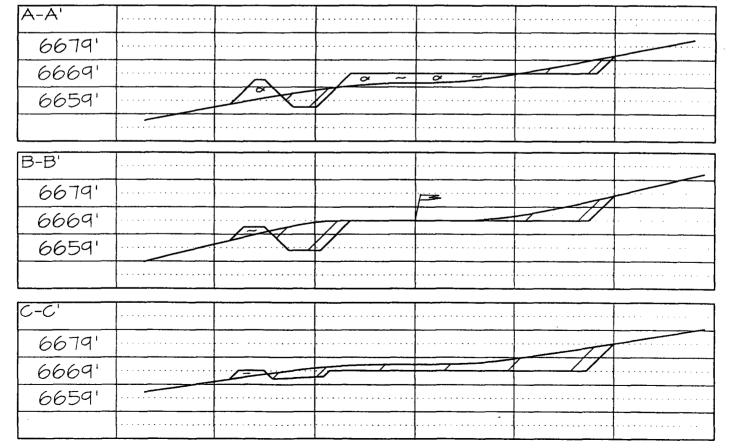
Submit 3 Copies To Appropriate District	State of No	ew Mexico		1	Form C-103
Office District I	Energy, Minerals an	d Natural Resources			May 27, 2004
1625 N. French Dr., Hobbs, NM 88240	G ,		WELL API NO.	20.000 2000	774
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVA	TION DIVISION	5. Indicate Type of L	30-039- 29°	
District III		t. Francis Dr.	STATE	FEE	
1000 Rio Brazos Rd., Aztec, NM 87410		NM 87505	6. State Oil & Gas Le	ease No.	
District IV	·			GE 0703//	
1220 S. St. Francis Dr., Santa Fe, NM 87 SUNDRY NOTI	CES AND REPORTS ON WEI	LLS	7. Lease Name or Uni	SF-079266 it Agreement Name	
(DO NOT USE THIS FORM FOR PROPOSAL	S TO DRILL OR TO DEEPEN OR PL	JUG BACK TO A	7. Eouse Marie of On	t / tg/coment / tame	
DIFFERENT RESERVOIR. USE "APPLICAT PROPOSALS.)	ION FOR PERMIT" (FORM C-101) FO	OR SUCH		Vaughn	1
1. Type of Well:			8. Well Number		
Oil Well Gas Well X	Other			14N	
2. Name of Operator			9. OGRID Number		
3. Address of Operator	OURCES OIL & GAS COMPA	ANY LP	10. Pool name or Wile	14538 deat	
	REET, FARMINGTON, NM 8	7402		saverde / Basin Dak	ota
4. Well Location					
Unit Letter F : Section 27	1870' feet from the Township 26	North line and North Rng 6W	1800' feet from NMPM		line o Arriba
	. Elevation (Show whether DR,			County	J. Hiller
		6669'			
Pit or Below-grade Tank Application	or Closure				
Pit type New Drill Depth to Ground		nearest fresh water well		m nearest surface wate	er <u><1000'</u>
Pit Liner Thickness: 12	mil Below-Grade Tanl		bbls; Construction		
	Appropriate Box to Ind INTENTION TO: PLUG AND ABANDON CHANGE PLANS MULTIPLE COMPL	REMEDIA	SUBSEQUENT		CASING
OTHER: New	Drill Pit	X OTHER:			
13. Describe proposed or comple of starting any proposed wor or recompletion.	eted operations. (Clearly state a k). SEE RULE 1103. For Mul	•	•	• • • • • • • • • • • • • • • • • • • •	
New Drill, Lined:					
Burlington Resources proposes to a Ecosphere's risk ranking criteria, to Operation Procedures dated Noven that portion will be lined as per the Pit Closure Procedure dated Augus	he new drilling pit will be a line ober 11, 2004 on file at the NM e risk ranking criteria. Burlingt	ed pit as detailed in Burli OCD office. A portion of ton Resources anticipates	ngton's Revised Drilling of the vent/flare pit will	g / Workover Pit Co be designed to man	onstruction / age fluids and
I hereby certify that the information at					
grade tank has been/will be constructed or cl	used according to NIVIOCD guideline	s, a general permit X	្យ ហ ងា (attached) alternativ	ле ОСD-approved plan	<u></u> .
SIGNATURE 1 Amondo	Jandoval	TITLE Re	gulatory Analyst	DATE	5/17/2006
Type or print name Aman For State Use Only	nda Sandoval E-mail		<u>@br-inc.com</u> Telepho	11	326-9700
APPPROVED BY Conditions of Approval (if any):	the state of the s	TITLEOFFUTY ON	& GAS INSPECTOR, D	IST GDATE	IN 2 8 2001

BURLINGTON RESOURCES OIL & GAS COMPANY, LP VAUGHN #14N, 1870' FNL & 1800' FWL SECTION 27, T26N, R6W, NMPM, RIO ARRIBA COUNTY, NM GROUND ELEVATION: 6669' DATE: MARCH 1, 2006

LATITUDE: 36.45988° N LONGITUDE: 107.45810° W DATUM: NADI983



Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side). Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.



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

OPERATIONS PLAN

Well Name:

VAUGHN 14N

Location:

1870' FNL & 1800' FWL, Section 27 T26N R06W

Rio Arriba County, New Mexico

Formation:

Blanco Mesaverde/Basin Dakota

Elevation: 6669' GL

Formation Tops:	<u>Top</u>	Bottom	<u>Contents</u>
Surface	San Jose	2358'	
Ojo Alamo	2358'	2453'	aquifer
Kirtland	2453 '	2755'	gas
Fruitland Coal	2755'	2895'	gas
Pictured Cliffs	2895'	3073'	gas
Lewis	3073'	3351'	
Huerfanito Bentonite	3351'		
Chacra	3801'	4589'	gas
Massive Cliff House	4589'	4626'	gas
Menefee	4626'	5173'	gas
Massive Point Lookout	5173'	5506'	gas
Mancos Shale	5506'	6243 '	
Upper Gallup	6243'	7079'	gas
Greenhorn	7079'	7137'	gas
Graneros	7137'	7191'	gas
Two Wells	7191'	7286'	gas
Upper Cubero	7286'	7319'	gas
Lower Cubero	7319'	7348'	gas
Oak Canyon	7348'	7394'	gas
Encinal	7394'	7394'	gas
Total Depth:	7394'		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>	Type	Weight Vis.	Fluid Loss
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0 40 - 50	no control
120'- 3173'	LSND	8.4 - 9.0 30 - 60	no control
3173' - 7394'	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>	Wt.	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3173'	7 "	20/23#	J-55
6 1/4"	0' - 7394'	4 1/2"	10.5#/11.6#	J-55

Tubing Program:

Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u> Grade</u>
0' - 7394'	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.

<u> Wellhead -</u>

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 275 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/18 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: 151 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (707 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 @ 3073'. Two turbolating centralizers at the base of the Ojo Alamo @ 3073'. 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 276 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 (547 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:

- The Mesaverde and Dakota formations will be completed and commingled.
- 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 27 is dedicated to the Mesaverde and Dakota formation.
- This gas is dedicated.



10102-1