UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work	5. Lease Number
	DRILL /	SF-079960
		Unit Reporting Number
1b.	Type of Well GAS	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name
3.	Address & Phone No. of Operator	8. Farm or Lease Name
-	PO Box 4289, Farmington, NM 87499	Vasaly Federal
		9. Well Number
	(505) 326-9700	#1B
4.	Location of Well	10. Field, Pool, Wildcat
	1025'FSL, 1940'FWL	Blanco Mesaverde
		11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 56.2'N, Longitude 108° 01.9'W	V Sec.31, T-32-N, R-11-W
		API# 30-045- 30500
14.	Distance in Miles from Nearest Town	12. County 13. State
	13 miles from P.O. in La Plata, NM	San Juan NM
15.	Distance from Proposed Location to Nearest Property or Lease Li	ne
16.	Acres in Lease	17. Acres Assigned to Well W/306.4
18.	Distance from Proposed Location to Nearest Well, Drig, Compl, or 1521'	••
19.	Proposed Depth Proposed as I review proposed to 43 CFR 3	1999 Rotary or Cable Tools
13.	5714' and appeal pursuant to 43 CFA \$185.4.	Rotary
13.		
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	Elevations (DF, FT, GR, Etc.) 6417' GR ~	22. Approx. Date Work will Start
21.	6417' GR —	
		thelike trap arou. Tresonzed are
21.	Proposed Casing and Cementing Program	TRIBLEME DOTT ATOM. THE HOTGZED ARE SESTECT ON HOUSE WORL ATTACH
21.	Proposed Casing and Cementing Program	TREASER DOT AROU. FARRORZED ARE SUSSECTION CONTRIBUTE VARA ATTACH
21. 23.	Proposed Casing and Cementing Program See Operations Plan attached	TRALAMA TOOT AROUL, ALABORIZED ARE SUSHECT ON HOTELLINGS VASH ATTACH "GENERAL KEÇHISEMENTS".
21.	Proposed Casing and Cementing Program See Operations Plan attached. Authorized by:	TRALLENG TOOT ARTILL THEOTOZED ARE SUSSEEL ON HOTELUHUSE WATA ATTACH "GENERAL NEGENEWENTS". 11-20-00
21. 23.	Proposed Casing and Cementing Program See Operations Plan attached	TRALEMA TOOT AROUL, ALEBOTIZED ARE SUSSEEN YN HOUT LUNGE WATH ATTACH "GENERAL NEGENEWENTS".
21.	Proposed Casing and Cementing Program See Operations Plan attached. Authorized by:	TRILLENG TOST ADOLL THE HORIZED ARE SUSHES ON HOUSE WATER ATTACH "GONGLES KEQUISEMENTS". 11-20-00 Date

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

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.

DISTRICT | P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back

Submit to Appropriate District Office
State Lease — 4 Copies
Fee Lease — 3 Copies

DISTRICT II P.O. Drower DD, Artesia, N.M. 88211–0719

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

1000 Rio Brazos Rd., Aztec, N.M. 87410 DISTRICT IV PO Box 2088, Santa Fe, NM 87504-2088

W/306.4

DISTRICT III

WELL LOCATION AND ACREAGE DEDICATION PLAT

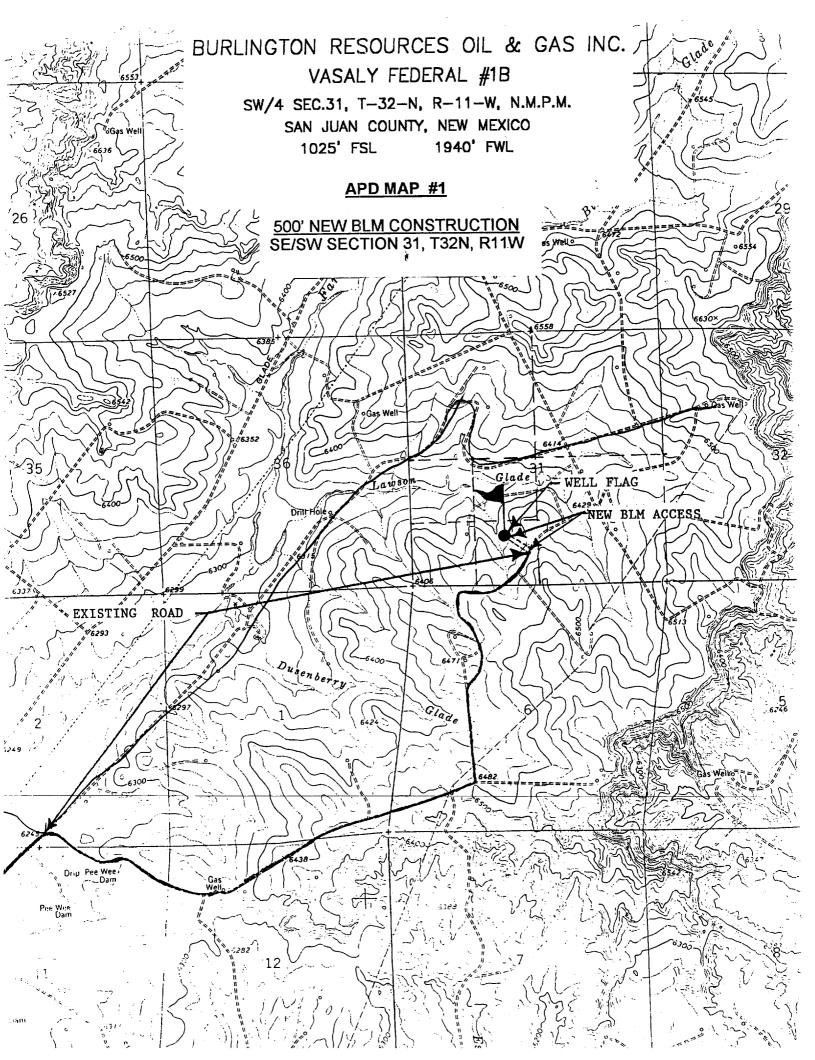
¹ API Number	² Pool Code	³ Pool Name	
30-045- 30500	72319 Blanco Mesaverde		
⁴ Property Code 18635		Property Name ALY FEDERAL	* Well Number
70GRID No. 14538		Operator Name OURCES OIL & GAS INC.	⁹ Elevation 6417

¹⁰ Surface Location

UL or lot no.	Section 31	Township 32-N	Range 11-W	Lot Idn	Feet from the 1025	North/South line SOUTH	Feet from the 1940	East/West line 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/West line County							County		
Dedicated Acres		13 J	loint or Infill		14 Consolidation Co	ode	¹⁵ 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

	OK A NON STAN	DARD UNIT HAS BE	
 			 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
USA SF	-07B11B		
LOT 2	LAWSON, FRED L		Signoture Peggy Cole Printed Name Regulatory Supervisor
FD 3 1/2* BLM 1952 B.C.	<u> </u>	l 51 ————————————————————————————————————	Title //-20-00
VASALY, M F LOT 3 W (W) 1988 1980 1980			18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my office. Date of Survey Signature and Sale of Professional surveyor:
LOT 4	LAT: 36'56.2 LONG: 108'6 LONG:	2' N. D1.9' W. FD 3 1/2" BLM B.C. 1953	Signature and Sie of Professional surveyor.



OPERATIONS PLAN

Well Name:

Vasaly Federal #1B

Surface Location:

1025'FSL, 1940'FWL, Section 31, T-32-N, R-11-W

San Juan County, New Mexico Latitude 36° 56.2'N, Longitude 108° 01.9'W

Formation: Elevation: Blanco Mesa Verde

6417'GR

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	1214'	aquifer
Ojo Alamo	1214'	1289 '	aquifer
Kirtland	1289 '	2394′	gas
Fruitland	2394′	3069'	gas
Pictured Cliffs	3069'	3189'	gas
Lewis	3189 '	3715 '	gas
Intermediate TD	3439'		
Mesa Verde	3715'	4143'	gas
Chacra	4143'	4667 '	gas
Massive Cliff House	4667'	4865 ′	gas
Menefee	4865′	5314'	gas
Point Lookout	5314'		gas
Total Depth	5714′		

Logging Program:

Cased hole logging - Gamma Ray, Cement bond from surface to TD Open hole logging - Array Induction, Temp, Neutron-Density from TD to Intermediate csg.

Mud Logs/Coring/DST - none

Mud Program:

Interval- MD	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3439'	LSND	8.4-9.0	30-60	no control
3439- 5714'	Air/Mist	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program (as listed, the equivalent, or better):

		Measu	ıred			
Ho]	le Size	e Depth	ı	Csg Size	Weight	Grade
12	1/4"	<u> </u>	200'	9 5/8"	32.3#	H-40
8	3/4"	0'-	3439'	7"	20.0#	J - 55
6	1/4"	3339' -	5714'	4 1/2"	10.5#	J-55

0' -5714' 2 3/8" 4.7# J-55 Tubing Program:

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, rams and casing will be tested to 600 psi for 30 minutes.

BOP Specifications, Wellhead and Tests (cont'd):

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, rams 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 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 - cement with 159 sx Class "H" cement with 1/4# flocele/sx and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. 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 w/356 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (1034 cu.ft. of slurry, 100% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 2294'. First stage: cement w/269 sx 50/50 Class "G" poz w/2\$ gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Second stage: $w/267 \text{ sx } 50/50 \text{ Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (1034 cu.ft. of slurry, 100% excess to circulate to surface).$

Cement nose quide 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 at 1289'. Two turbolating centralizers at the base of the Ojo Alamo at 1289'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to circulate liner top. Pump 239 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (341 cu.ft., 40% excess to circulate liner). WOC a minimum of 18 hrs prior to completing.

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 gas/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 Mesa Verde formation will be completed.
- · No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 150 psi Pictured Cliffs 260 psi 375 psi Mesa Verde

- 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 31 is dedicated to the Mesa Verde.
- This gas is dedicated.

11/29/00 Date

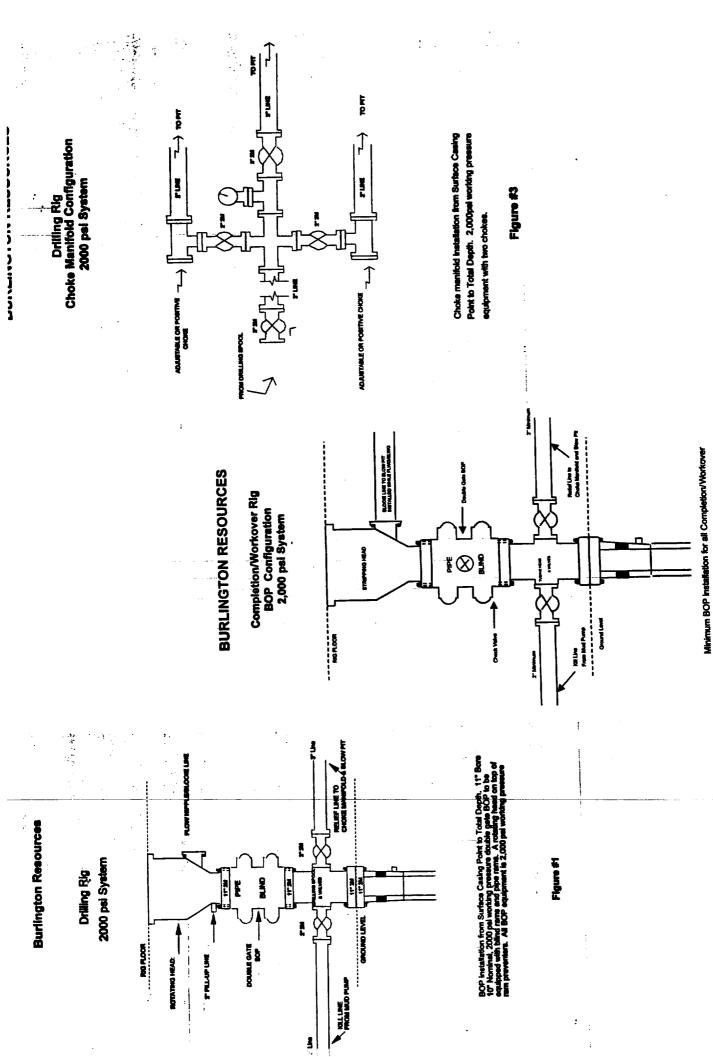


Figure #2

pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All equipment is 2000 psi working pressure or

Operations. 7-1/16" bore, 2000 pai minimum working