UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT TO DRILL, DEEPI				
1a.	Type of Work	5. Lease Number			
	DRILL	SF-078439			
	,	Unit Reporting Number			
1b.	Type of Well	6. If Indian, All. or Tribe			
	GAS				
	APD				
2.	Operator BURLINGTON	7. Unit Agreement Name			
	RESOURCES Oil & Gas Company	(81) G()			
3.	Address & Phone No. of Operator	8. Farm or Lease Name			
	PO Box 4289, Farmington, NM 87499	Johnston Federal			
	Man a laster	9. Well Number			
	(505) 326-9700	1B ·			
4.	Location of Well	10. Field, Pool, Wildcat			
	-2180' FNL, -730' FWL	Blanco MesaVerde/Basin Dakota			
	2485 415	11. Sec., Twn, Rge, Mer. (NMPM)			
	Latitude 36° 49.6'N, Longitude 107° 44.3'W	Sec.12, T-30-N, R-9-W API# 30-045- 30969			
14.	Distance in Miles from Nearest Town	12. County 13. State			
• ••	18.3 miles from inter. Hwy 550 & 173 in Aztec	San Juan NM			
15. 16.	Distance from Proposed Location to Nearest Property or Lease 730' Acres in Lease	Line 17. Acres Assigned to Well 320 W/2			
18.	Distance from Proposed Location to Newset Wall Daly Count				
10.	Distance from Proposed Location to Nearest Well, Drig, Compl,	or Applied for on this Lease			
19.	Proposed Depth procedural review pursuant to 43 CFR 7222' and appeal pursuant to 43 CFR 3165.4	318 5 Rotary or Cable Tools Rotary			
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start			
	5835' GR				
23.	Proposed Casing and Cementing Program				
	See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACH "GENERAL REQUIREMENTS"			
	()	4			
24.	Authorized by: Supervisor Regulatory/Compliance Supervisor	9-28-01 Date			
PERM	MIT NO. APPROVAL D	DATE			
APPR	ROVED BY BIMankeely TITLE AFM	DATE 4.27-04			
Archa	aeological Report to be submitted				

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.

COA Compliance Whole 60

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

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised June 10, 2003

DISTRICT II * 1301 W. Grand Avenue, Artesia, N.M. 88210

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

Instructions on back

Submit to Appropriate District Office

State Lease — 4 Copies

Fee Lease — 3 Copies

1220 South St. Francis Dr. Santa Fe, NM 87504-2088

2024 MAR 24 PM 12: 2€ AMENDED REPORT

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

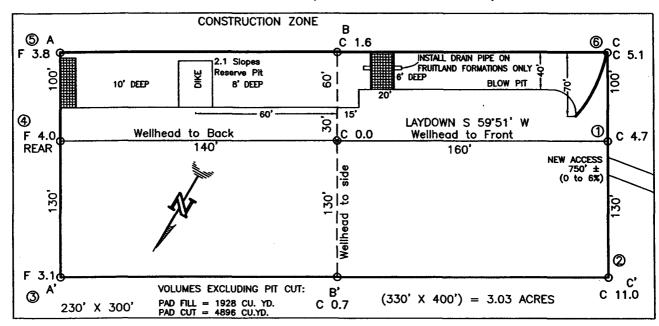
WELL LOCATION AND ACREAGE DEDTO ATION PLATING

¹ API	2.0		² Pool Code ³ Pool Name							
30-045- 30969			7231	72319/71599 Blanco Mesaverd			erde/Basin	rde/Basin Dakota		
⁴ Property Code 7208				⁸ Property Name JOHNSTON FEDERAL					⁶ Well Number 1B	
70GRID No. 14538			BURL	*Operator Name URLINGTON RESOURCES OIL & GAS COMPANY LP					⁹ Elevation 5835	
	_				¹⁰ Surface	Location		······································		
UL or lot no. E	Section 12	Township 30-N	Range 9-W	Lot Idn	Feet from the 2485	North/South line NORTH	Feet from the 615	East/West line WEST	County SAN JUAN	
			¹¹ Bott	om Hole	Location	If Different Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
² Dedicated Acres	<u> </u> 	13 Jo	int or Infill	I	¹⁴ Consolidation C	ode	¹⁶ Order No.			
W/320										

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

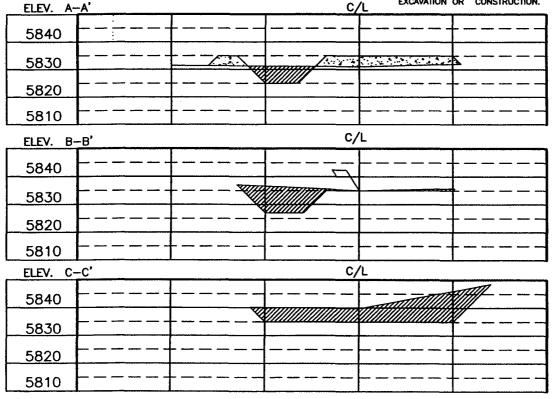
16		UR A NON-STAND	JAKU UNII HAS E	SEEN APPROVED BI	THE DIVISION
FD 3 1/2" BLM 1951 BC		N 89'39' 5249.82	'54" E 2' (M)	FD 3 1/2" BLM 1951 B.C.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
(M) . (M) S 00.08'59" E 2626.47' (M) . 2485'	LAT: 36°49	.5559' N. (NAD 27) 14.3492' W. (NAD 27) 078439 12			Signoture Tammy Wimsatt Printed Name Regulatory Specialist Title 3-24-04 Date 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 superison and that was provided to the beat of t

BURLINGTON RESOURCES OIL & GAS COMPANY LP JOHNSTON FEDERAL 1B, 2485 FNL 615 FWL SECTION 12, T-30-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 5835, DATE: FEBRUARY 23, 2004



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:

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: 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.

DRAWN BY: A.G.

ROW#: BR216

CADFILE: BR216CF8

DATE: 07/13/01

REVISION: RESTAKE BY: A.G. DATE: 3/09/04

Surveying and Oil Fleid Services
P. O. Box 15068 Farmington, NM 87401
Phone (505) 326-1772 Fox (505) 326-6019

Daggett Enterprises, Inc.

submitted in lieu of Form 3160-5

UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

111	- (ļ.,	Ш	,	7
• •			₽V	1 1	j

Sundry Notices and Reports on Wel	.ls 707 Min 24 pu	
l. Type of Well GAS	5.**	Lease Number NMSF078439 If Indian, All. or Tribe Name
2. Name of Operator BURLINGTON	7.	Unit Agreement Name
RESOURCES OIL & GAS COMPANY	8.	Well Name & Number
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9.	Johnston Federal #1 API Well No. 30-045-
4. Location of Well, Footage, Sec., T, R, M 2485'FNL, 615'FWL, Sec.12, T-30-N, R-9-W, NMPM		Field and Pool Blanco MV/Basin DK County and State San Juan Co, NM
12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE	E, REPORT, OTHER	DATA
Subsequent Report Plugging Back Casing Repair Final Abandonment Altering Casing Other -	Mater Shut of Conversion to	ff
13. Describe Proposed or Completed Operations		
It is intended to move the location of the subjection Attached is the revised C-102 plat, cut &		
14. I hereby certify that the foregoing is true and	correct.	
Signed Annughum Title Regulator	y Specialist Da	te 3/24/04
(This space for Ferry) or state Office use) APPROVED BY CONDITION OF APPROVAL, if any: Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to a	Date	4-22.64 agency of the

OPERATIONS PLAN

Well Name: Johnston Federal #1B

Location: 2180'FNL, 730'FWL, Sec 12, T-30-N, R-9-W

San Juan County, NM

Latitude 36° 49.60, Longitude 107° 44.30

Formation: Blanco Mesaverde/Basin Dakota

Elevation: 5835'GL

Formation Tops:	<u>Top</u>	<u>Bottom</u>	Contents
Surface	San Jose	1327'	•
Ojo Alamo	1327'	1482'	aquifer
Kirtland	1482'	2017 '	gas
Fruitland	2017'	2622'	gas
Pictured Cliffs	2622'	2767'	gas
Lewis ,	2767'	3332'	gas
Intermediate TD	2867'	١	
Mesa Verde	3332 ′	3672 '	gas
Chacra	3672 '	4377 '	gas
Massive Cliff House	4377'	4477'	gas
Menefee	4477'	4827 '	gas
Massive Point Lookout	4827'	5247'	gas
Mancos	5247 '	6137 ′	gas
Gallup	6137 '	6872 "	gas
Greenhorn	6872'	6922'	gas
Graneros	6922'	6977'	gas
Dakota	6977 '		
TD	7222'		

Logging Program:

Cased hole - CBL-CCL-GR - TD to surface Open hole - none Cores - none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 2867'	LSND	8.4-9.0	30-60	no control
2867- 7222'	Air/N2	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):

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2867'	· 7"	20.0#	J-55
6 1/4"	2767' - 7222'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7222' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 3000 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.

Intermediate TD to Total Depth -

11" 3000 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, 3000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 3000 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 3000 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 drilling crew.
- All BOP tests and 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 "B" cement with 1/4# celloflake/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/289 sx 50/50 Class G/TXI lightweight w/2.5% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# celloflake/sx. Tail w/90 sx 50/50 Class "G" Poz w/2% calcium chloride, 2% gel, 1/4 pps celloflake, 5 pps gilsonite, 0.1% antifoam agent (861 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 during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

See attached alternative intermediate lead slurry.

7" intermediate casing alternative two stage: Stage collar at 1917'. First stage: cement with 223 sx 50/50 Class "G" Poz w/2% calcium chloride, 2% gel, 1/4 pps celloflake, 5 pps gilsonite, 0.1% antifoam agent. Second stage: 223 sx 50/50 Class G/TXI lightweight w/2.5% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# celloflake/sx (861 cu.ft., 100% 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 at 1482'. Two turbolating centralizers at the base of the Ojo Alamo at 1482'. 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 Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead
 with 444 sx 50/50 Class "G" Poz with 5% gel, 0.25#
 celloflake/sx, 5# gilsonite/sx, 0.1% retardant and 0.25% fluid
 loss additive, 0.15% dispersant, 0.1% antifoam agent (640
 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a
 minimum of 18 hrs prior to completing.
- 4 1/2" production casing alternative: Lead w/199 sx 9.5 PPG Litecrete Blend w/0.11% dispersant, 0.5% fluid loss. Tail w/128 sx Class G 50/50 poz w/5% gel, 0.25 pps celloflake, 5 pps gilsonite, 0.25% fluid loss, 0.15% dispersant, 0.1% retarder, 0.1% antifoam (685 cu.ft., 50% excess to cement 4 ½" x 7" overlap).

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Cement float shoe on bottom with float collar spaced on top of float shoe.

- Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" x 7" casing strings. After completion of the well, a 4 1/2" retrievable bridge plug will be set below the top of cement in the 4 1/2" x 7" overlap. The 4 1/2" casing will then be backed off above the top of cement in the 4 1/2" x 7" overlap and laid down. The 4 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well.
- 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 (Gas/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.
- Deduster equipment will be utilized.
- 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.

Burlington Resources

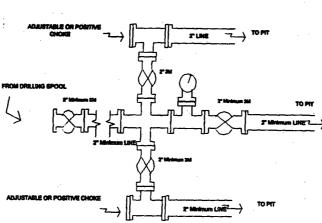
BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 3,000 psi System

BURLINGTON RESOURCES

Drilling Rig 3000 psi System

Drilling Rig
Choke Manifold Configuration
3000 psi System



Choke manifold installation from Surface Casing Point to Total Depth. 3,000psi working pressure equipment with two chokes.

Figure #2

ROTATING HEAD:

PFL-UP LINE

PIPE

DOUBLE GATE

PIPE

BLIND

17 384

P 3

BOP Installation from Surface Casing Point to Total Depth. 11" Bore 10" Nominal, 3000 pel working pressure double gate BOP to be equipped with blind rams and pipe rams. A 500 psi rotating head on top of ram preventers. All BOP equipment is 3,000 psi working pressure

Figure #1

4-20-01

4-20-01

4-20-01

PIPE

PIPE

Promise Gate BOP

St.Cott Live To Blow PIP

Porting To Blow PIP

Promise Gate BOP

St.Live

Promise Gate BOP

St.Live

Promise Gate BOP

Grand Live

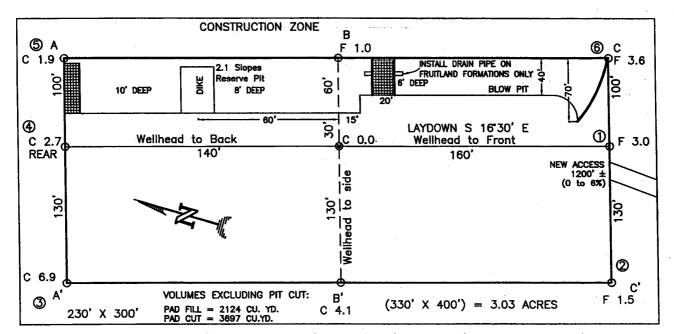
Promise Gate BOP

P

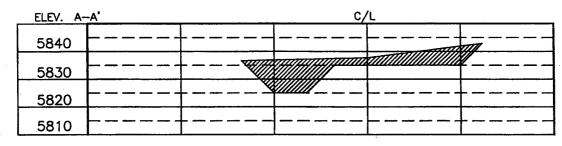
Minimum BOP installation for all Completion/Workover Operations. 7-1/16" bore, 3000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 3000 psi working pressure or greater excluding 500 psi stripping head.

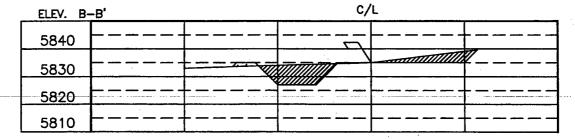
Figure #3

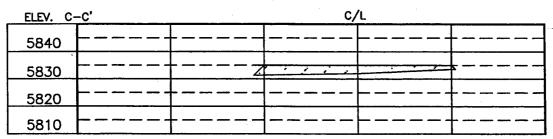
BURLINGTON RESOURCES OIL & GAS INC. JOHNSTON FEDERAL 1B, 2180 FNL 730 FWL SECTION 12, T-30-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 5835, DATE: JUNE 27, 2001



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.

DRAWN BY: A.G.

ROW#: BR216

CADFILE: BR216CF8

DATE: 07/13/01

Daggett Enterprises, Inc.
Surveying and Oil Field Services
P. O. Box 15068 Farmington, NM 87401
hone (505) 326–1772 Fox (505) 326–6019