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

1a.	Type of Work	234 7 10 29 37	5. Lease Number
ıa.	DRILL		NM-02151B
	DRIBD :	670 T.	Unit Reporting Number
		\$25 ft 1 - 1 - 1	MV-8910005380
1b.	Type of Well		6. If Indian, All. or Tribe
	GAS		
2.	Operator		7. Unit Agreement Name
۷.	Operator BURLINGT	QN	7. One Agreement Name
	RESOURCE	S Oil & Gas Company	San Juan 30-6 Unit
3.	Address & Phone No.		8. Farm or Lease Name
	PO Box 4289, I	Farmington, NM 87499	San Juan 30-6 Unit
	/\		9. Well Number
	(505) 326-9700	'	93B
4.	Location of Well		APR 2003 100 Field, Pool, Wildcat
→.	1980' FNL, 1865'	FWI.	La Jara Pict Cliffs
	1500 1111, 1005		Blanco MV/Basin DK
		المراقبة ا المراقبة المراقبة ال	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36 ⁰ 46.	3, Longitude 107934	.7 Sec. 33, T-30-N, R-
			API# 30-039-26893
14.	Distance in Miles fron	Nearest Town	12. County 13. State
	6 miles from Nav		Rio Arriba NM
		<u> </u>	
15.	Distance from Propos 1865'	ed Location to Nearest Prope	erty or Lease Line
16.	Acres in Lease	•	17. Acres Assigned to Well
			PC - 160 NW4
			MV/DK - 320 W/2
18.		ed Location to Nearest Well,	Drlg, Compl, or Applied for on this Lease
	1000'	The same of the sa	
40	Brancood Donth	This action is subject to	technical and
19.	Proposed Depth	and appeal pursuant to	ant to 43 CFR 3139.3 Rotary or Cable Tools 43 CFR 3165 A Rotary
	, 004		
21.	Elevations (DF, FT, G	R, Etc.)	22. Approx. Date Work will Start
	6307' GR		
23.	Proposed Casing and		HOLD C194 FOR WASL INC. AND HOLD ZE
	See Operation	s Plan attached	WOLING LOK
			HOLD C194 P SUBJECT TO COMPLIANCE WITH AT
			"GENERAL REQUIREMENTS"
	A. 41 1 1	Spare (par	11-16-01
24.	Authorized by:	regissi all	
	кед	ulatory/Compliance Su	pervisor Date
DE 2-	ALT NO		APPROVAL PATE
reRN	AIT NO.		APPROVAL DATE
	امار المار	J. Mankiewicz TITLE	DATE APR 23

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 I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Rox 2088 Santa Fe. NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

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

OIL CONSERVATION DIVISION Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

JASON C. EDWARD

PO Box 2088 Santa Fe. NM 87504-2088

AMENDED REPORT

	DON LUGO,			· ·									
_		IDT Market		WELL		*	J AL	CREAGE DED:		POOL Name			
API Number Pool Code 96199/72319				1					В	asin D			
30-039- 0007 96199/72319 Property Code						<u>La</u>		d C1:	ffs/Bl	anco M		de/ 11 Number	
						•	0-6 UNIT			İ	93B		
<u> </u>	'OGRID	No.				-	*Operator Name				Elevation		
	14538		E	BURLING	STON R	ESOURC	SOURCES OIL & GAS COMPA			ANY LF			5307
				·				Location					
Γ	L or lot no.	Section	Township	Range 7W	Lot Idn	Feet from	- 1	North/South line		from the		est line	RIO
	F	33	30N	1	<u> </u>	1980		NORTH		865	<u> </u>	ST	ARRIBA
<u>, </u>	JL or lot no.	Section	11 [Township	Bottom Renge	Hole L	_ocatio		f Different		m Surf		est line	<u> </u>
`		3000	1			Past II O		10000001138	"		EdSt/M	ez TJUB	County
2	Dedicated Acre	<u> </u>	<u> </u>	<u></u>	L	33 Joint or 1	inf113	¹⁴ Consolidation Code	²⁵ Order	No.	L		<u> </u>
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OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #93B

Location: 1980'FNL, 1865'FWL, Section 33, T-30-N, R-7-W

Rio Arriba County, New Mexico

Latitude 36° 46.3, Longitude 107° 34.7

Formation: La Jara Pictured Cliffs/Blanco Mesa Verde/Basin Dakota

Elevation: 6307'GL

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	2199'	
Ojo Alamo	2199 '	2324'	aquifer
Kirtland	2324'	2705'	
Fruitland	2705'	3169'	gas
Pictured Cliffs	3169'	3329'	gas
Lewis	3329'	3844'	gas
Intermediate TD	3429'		•
Huerfanito Bentonite	3844'	4194'	gas
Chacra	4194'	49491	gas
Cliff House	4949'	5024'	
Menefee	5024'	5369 ′	gas
Point Lookout	5369'	5719 '	gas
Mancos	5719 '	6634 ′	gas
Gallup	6634 ′	7354 ′	gas
Greenhorn	7354'	7404'	gas
Graneros	7404'	7474'	gas
Dakota	7474'		gas
TD	7664'	•	-

Logging Program:

Mud logs - none

Open hole - Array Induction - intermediate TD to surface;

CDL-CNL - intermediate TD to 2200'

Cased hole - CBL-CCL-GR - TD to surface

Cores - none

Mud Program:

_			•		
	Interval	Type	Weight	Vis.	Fluid Loss
	0- 200'	Spud	8.4-9.0	40-50	no control
	200- 3429	' LSND	8.4-9.0	30-60	no control
•	3429- 7664	' 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 Int	erval	Csg.Size	Wt.	Grade
12 1/4"	0'-		9 5/8"	32.3#	WC-50
8 3/4"	0'-	3429'	7 "	20.0#	J-55
6 1/4"	3329' -	7664	4 1/2"	10.5#	K-55

Tubing Program:

0' - 7664' 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 #2).

Completion Operations -

7 1/16" 3000 psi double gate BOP stack (Reference Figure #3). 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# 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/355 sx 50/50 Class "G" TXI Liteweight cement with 2% calcium chloride, 2.5% sodium metasilicate, 10 pps Gilsonite and 0.5 pps Celloflake. Tail w/90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.25 pps Celloflake (1030 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 2605'. First stage: cement with w/194 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps gilsonite, 0.25 pps Celloflake. Second stage: 304 sx 50/50 Class "G"/TXI Liteweight with 2% calcium chloride, 2.5% sodium metasilicate, 10 pps Gilsonite, 0.25 pps Celloflake (1030 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 2324'. Two turbolating centralizers at the base of the Ojo Alamo at 2324'. 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 cover minimum of 100' of $4\ 1/2$ " x 7" overlap. Lead with 432 sx 50/50 Class "G" Poz with 5% gel, 0.25 pps Celloflake, 5 pps Gilsonite (622 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a minimum of 18 hrs prior to completing.

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

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

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.

Additional Information:

- The Pictured Cliffs, 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 2500 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The northwest quarter of Section 33 is dedicated to the Pictured Cliffs, the west half of Section 33 is dedicated to the Mesaverde and Dakota in this well.
- This gas is dedicated.

Brilling Engineer	11/21/01
Drilling Engineer	Date