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

1a.	Type of Work	5. Lease Number			
ıu.	DRILL	SF-080713A			
		Unit Reporting Number			
1b.	Type of Well	6. If Indian, All. or Tribe			
	GAS				
2.	Operator	7. Unit Agreement Name			
	RESOURCES Oil & Gas Company 78 9	San Juan 30-6 Unit			
3.	Address & Phone No. of Operator	8. Farm or Lease Name			
<b>.</b>	PO Box 4289, Farmington, NM 8 AUG 2001	San Juan 30-6 Unit			
	m accentil	9. Well Number			
	(505) 326-9700 (505) OLCOLDV	145			
4.	Location of Well	10, Field, Pool, Wildcat			
	1935' FNL, 935' FWL,	్స్ / Basin Dakota			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11. Sec., Twn, Rge, Mer. (NMPM)			
	Latitude 36° 48.0, Longitude 107° 27.4	Sec. 22, T-30-N, R-6-1 APT# 30-039- ZL772			
14.	Distance in Miles from Nearest Town	12. County 13. State			
• • •	25 miles from Navajo City	Rio Arriba NM			
15.	Distance from Proposed Location to Nearest Property or Lease L				
		ine  17. Acres Assigned to Well  319 13 W/2			
16.	Distance from Proposed Location to Nearest Property or Lease L 935' Acres in Lease	ine  17. Acres Assigned to Well  319 13 ₩/2 320 € ◊			
	Distance from Proposed Location to Nearest Property or Lease L 935' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Compl, C	ine  17. Acres Assigned to Well  319 13 ₩/2 320 € ◊			
16. 18.	Distance from Proposed Location to Nearest Property or Lease L 935' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Compl, C	ine  17. Acres Assigned to Well  319-13 W/2 32લ-હર or Applied for on this Lease			
16.	Distance from Proposed Location to Nearest Property or Lease L 935' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Compl, of 140'	ine  17. Acres Assigned to Well  319-13 W/2 32લ હર			
16. 18.	Distance from Proposed Location to Nearest Property or Lease L 935' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Compl, C 140' Proposed Depth procedural review pursuant to 43 CFR 349	ine  17. Acres Assigned to Well  319 13 W/2 32ం ఆ లె  or Applied for on this Lease			
16. 18. 19.	Distance from Proposed Location to Nearest Property or Lease L 935' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Compl, of 140' Proposed Depth procedural review pursuant to 43 CFR 3195.4.  Elevations (DF, FT, GR, Etc.) 6635' GR  Proposed Casing and Cementing Program	ine  17. Acres Assigned to Well  319 13 W/2 326. ఆ లె  or Applied for on this Lease తి.తి20. Rotary or Cable Tools  Rotary			
16. 18. 19. 21.	Distance from Proposed Location to Nearest Property or Lease L 935' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Compl, of 140' Proposed Depth procedural review pursuant to 43 CFR 3195.4.  Elevations (DF, FT, GR, Etc.) 6635' GR	ine  17. Acres Assigned to Well  319.13 W/2 320. ఆ లె  or Applied for on this Lease  ే.320. Rotary or Cable Tools  Rotary  22. Approx. Date Work will Start			
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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

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088

Santa Fe, NM 87504-2088

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

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

Submit to Appropriate District Office

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

State Lease - 4 Copies Fee Lease - 3 Copies

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

AMENDED REPORT

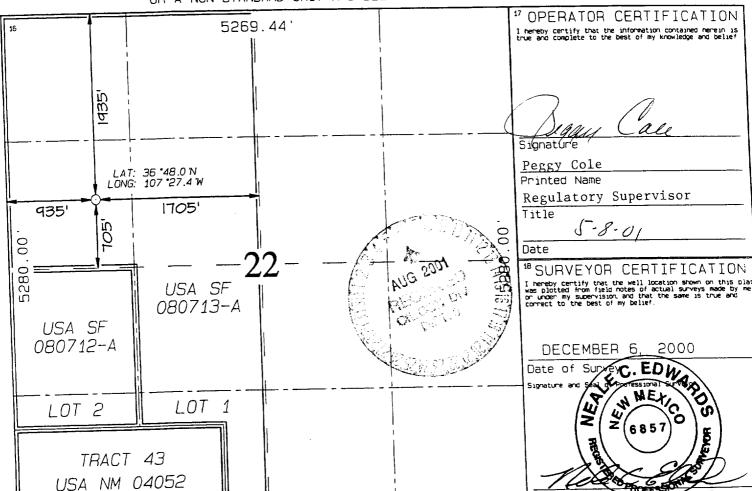
# WELL LOCATION AND ACREAGE DEDICATION PLAT

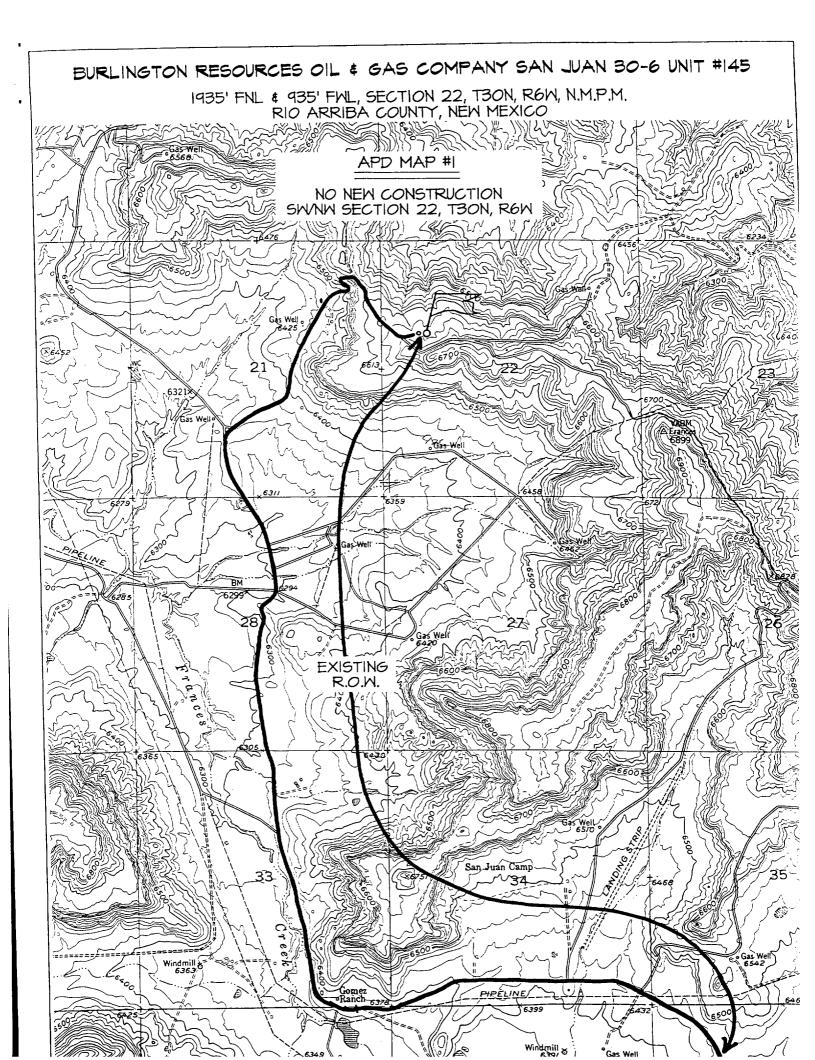
'API Number	Pool Code	³Pool Name	ري ر	
30-039-26772	_ 71599	Basin Dakota		
*Property Code	*p	roperty Name	*Well Number	
7469	SAN JU	JAN 30-6 UNIT	145	
OGRID No.	•0	perator Name	*Elevation	
	BURLINGTON RESOL	JRCES OIL & GAS COMPANY	6635	
14538				

<sup>10</sup> Surface Location

Ut or lot no.	Section 22	Township 30N	Range 6W	Lot Ich	Feet from the	North/South line	Feet from the 935	East/West line WEST	RIO ARRIBA
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
DK-W/	20	13 Jaint or In	ifill 34 Cons	solidation Code				LAVE BEEN CO	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





#### OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #145

Location: 1935'FNL, 935'FWL, Sec 22, T-30-N, R-6-W

Rio Arriba County, NM

Latitude 36° 48.0, Longitude 107° 27.4

Formation: Basin Dakota Elevation: 6635' GL

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	2581'	
Ojo Alamo	2581'	2771 <b>′</b>	aquifer
Kirtland	2771 <b>′</b>	3196 <b>'</b>	gas
Fruitland	3196'	3550'	gas
Pictured Cliffs	3550'	3798'	gas
Lewis	3798'	4251'	gas
Intermediate TD	3898'		
Mesa Verde	4251 <b>′</b>	4622'	gas
Chacra	4622'	5456 <b>′</b>	gas
Massive Cliff House	5456'	5486'	gas
Menefee	5486'	5881 <b>′</b>	gas
Massive Point Lookout	5881'	6156'	gas
Mancos	6156 <b>′</b>	6813 <b>'</b>	gas
Gallup	6813 <b>′</b>	7752 <b>'</b>	gas
Greenhorn	7752'	7807'	gas
Graneros	7807'	7900'	gas
Dakota	7900 <b>'</b>		gas
TD	8200'		

## Logging Program:

Mud logs - TD to 7500'

Open hole - DIL-GR, TD to 200', CNL-CDL, ML, CMR - TD to 5456'

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

Cores - none

### Mud Program:

Interval	Туре	Weight	Vis.	Fluid Loss
0- 200	' Spud	8.4-9.0	40-50	no control
200- 389	8' LSND	8.4-9.0	30-60	no control
3898- 820	00' 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'-	200'	9 5/8"	32.3#	WC-50
8 3/4"	0'-	3898'	7"	20.0#	J-55
6 1/4"	3798' -	8200'	4 1/2"	10.5#	K-55

#### Tubing Program:

0' - 8200' 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/410 sx 50/50 Class "G" TXI Liteweight cement with 2.5% sodium metasilicate, 10 pps Gilsonite, 2% calcium chloride and 0.5 pps flocele. Tail w/90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.25 pps Flocele (1172 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 3096'. First stage: cement with w/188 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps gilsonite, 0.25 pps Flocele. Second stage: 361 sx 50/50 Class "G"/TXI Liteweight with 2.5% sodium metasilicate, 10 pps Gilsonite, 2% calcium chloride, 0.5 pps Flocele (1172 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 2771'. Two turbolating centralizers at the base of the Ojo Alamo at 2771'. 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 439 sx 50/50 Class "G" Poz with 5% gel, 0.25 pps flocele, 5 pps Gilsonite (632 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 shoe joint.