UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	Type of Work ?(i) SEP 2	5. Lease Number /// 9: 0 SF-079037
	DRILL	Unit Reporting Number
	OTO TENENT	6 If Indian All or Triba
b.	Type of Well GAS	6. If Indian, All. or Tribe
	GAS	
	Operator	7. Unit Agreement Name
	BURLINGTON RESOURCES Oil & Gas Company	
 .	Address & Phone No. of Operator	8. Farm or Lease Name
,.	PO Box 4289, Farmington, NM 87499	Hale
		9. Well Number
	(505) 326-9700	2C
1.	Location of Well	10. Field, Pool, Wildcat
₹.	1275' FSL, 1970' FWL	Blanco Mesaverde/
	2270 2027 2027	Basin Dakota
	_	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36 ⁰ 51.9, Longitude 107 ⁰ 39.9	V Sec. 27, T-31-N, R-8-
		API# 30-045- 30837
14.	Distance in Miles from Nearest Town	12. County 13. State
•	21 miles from Navajo Dam Post Office	San Juan NM
15.	Distance from Proposed Location to Nearest Property or Le	ase Line
16.	1275' Acres in Lease	17. Acres Assigned to Well
10.	70103 III 20000	320 W/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Cor	npl, or Applied for on this Lease
	1000'	20. Rotary or Cable Tools
19.	Proposed Depth	Rotary
	7913'/	Rocaly
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6302' GR	
23.	Proposed Casing and Cementing Program	STATE OF THE STATE
	See Operations Plan attached	SECULAR TO EUGENEMACE WITH ATTACHED
		Contention negotivements
24.	Authorized by: Algun Call	9-11-01
24.	Regulatory/Compliance Supervis	or Date
		11,5/11
PERM	MIT NO. APPROV	AL DATE 1/15/04
	ROVED BY A Manufactor THILE ALT	-11

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

HALD COOK For Change of States: Hale H

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NOTE: This format is issued in lieu of U.S. BLM Form 3100-3

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.

procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR \$165.4

District I PO Box 1980, Hobbs, NM B8241-1980 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

OIL CONSERVATION DIVISION PO Box 2088

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

AMENDED REPORT

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

Santa Fe, NM 87504-3088 M 9: 01

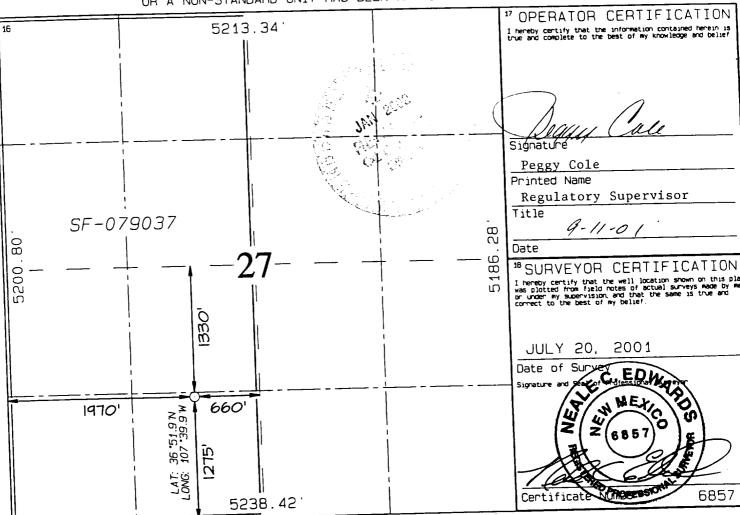
District IV PO Box 2088, Santa Fe, NM 87504-2088

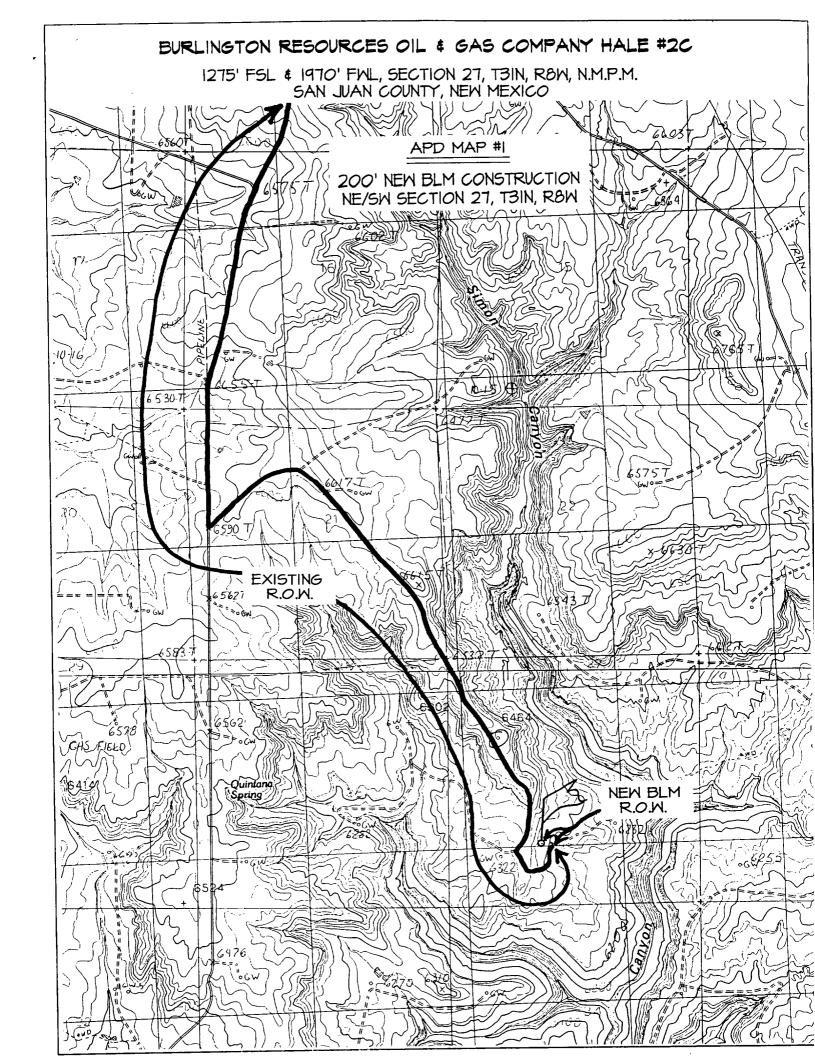
WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	*Pool Code	3P001 N	vame
30-045- 3083 *Property Code 18534	72319/71599	Blanco Mesaverde/Basin Property Name HALE	Dakota "Well Number 2C
'OGRID No.		Operator Name RCES OIL & GAS COMPANY	*Elevation LP 6302
		face Location from the North/South line Feet from th	e East/West line County

Sect ion Township UL or lot no. WEST SAN JUAN 1970 SOUTH 1275 8W 27 31N Ν Different From Surface 11 Bottom Hole Location County North/South line Feet from the East/West line Feet from the Township UL or lot no. Section ¹³ Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No. 12 Dedicated Acres 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





OPERATIONS PLAN

Well Name: Hale #2C

Location: 1275'FSL, 1970'FWL, Sec 27, T-31-N, R-8-W

San Juan County, NM

Latitude 36° 51.9, Longitude 107° 39.9

Formation: Blanco Mesaverde/Basin Dakota

Elevation: 6302'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	2034'	
Ojo Alamo	2034'	2134′	aquifer
Kirtland	2134'	2639 '	gas
Fruitland	2639'	3194'	gas
Pictured Cliffs	3194'	3284'	gas
Lewis	3284'	3924'	gas
Intermediate TD	3384'		
Mesa Verde	3924 '	4284'	gas
Chacra	4284'	5064 '	gas
Massive Cliff House	5064'	5124'	gas
Menefee	5124'	5414 ′	gas
Massive Point Lookout	5414'	5814'	gas
Mancos	5814 ′	6723 '	gas
Gallup	6723 ′	7454′	gas
Greenhorn	7454'	7514'	gas
Graneros	7514'	7599'	gas
Dakota	7599 '	7863 '	gas
Morrison	7863 '		
TD	7913'		

Logging Program:

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

Open hole - GR/AIT - TD to 3900'

Rhob/Neutron - TD to minimum operations depth.

Mudlog - 7354' to TD

Cores - none

Mud Program:

a	Progr	<u>am:</u>				
	Inter	cval	Туре	Weight		Fluid Loss
	0-	200'	Spud	8.4-9.0	40-50	no control
	200-	3384'	LSND	8.4-9.0	30-60	no control
3	3384-	75491	Air/N2	n/a	n/a	n/a
•	7549-	7913'	LSND	8.4-9.0	30-60	no control

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' - 3384'	7"	20.0#	
6 1/4"	3284' - 7913'	4 1/2"	10.5#	J -55

Tubing Program:

0' - 7913' 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/350 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 (1017 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 2539'. First stage: cement with 198 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: 296 sx 50/50 Class G/TXI lightweight w/2.5% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# celloflake/sx (1017 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 2134'. Two turbolating centralizers at the base of the Ojo Alamo at 2134'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

100 mm

- 4 1/2" Production Casing Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead
 with 462 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 (665
 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a
- 4 1/2" production casing alternative: Lead w/185 sx 9.5 PPG
 Litecrete Blend w/0.11% dispersant, 0.5% fluid loss. Tail w/171
 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 (712 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):

minimum of 18 hrs prior to completing.

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.