

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED FEB 12 1998 OIL CON. DIV. DIST. 3	5. Lease Number SF-080314 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES 14538 Oil & Gas Company	7. Unit Agreement Name	8. Farm or Lease Name 18539 Harrison
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9. Well Number 1R	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde
4. Location of Well 570' FSL, 2355' FWL surface 1825' FSL, 790' FWL bottom hole Latitude 36° 56.1, Longitude 107° 55.4	11. Sec., Twn, Rge, Mer. (NMPM) N 1/2 Sec 31, T-32-N, R-10-W API # 30-045-29533	12. County San Juan
14. Distance in Miles from Nearest Town 9 miles to Aztec	13. State NM	17. Acres Assigned to Well 310.83
15. Distance from Proposed Location to Nearest Property or Lease Line 570'	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 900'	20. Rotary or Cable Tools Rotary
16. Acres in Lease	19. Proposed Depth 5400' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	22. Approx. Date Work will Start
21. Elevations (DF, FT, GR, Etc.) 5924' GR	23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by:  Regulatory/Compliance Administrator	Date 12/23/97	

PERMIT NO. _____

APPROVAL DATE FEB 10 1998

APPROVED BY /S/ Duane W. Spencer

TITLE _____

DATE FEB 10 1998

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

OK 
NMOCD

1945

1946

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1948

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District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form 1
Revised February 21,
Instructions on
Submit to Appropriate District C
State Lease - 4 C
Fee Lease - 3 C

AMENDED REP

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-24533		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 18539	*Property Name HARRISON		*Well Number 1R
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5924'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Count
N	31	32N	10W		570	South	2355	West	SAN

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	Count
L	31	32N	10W		1825	South	790	West	SAN

¹² Dedicated Acres W/310.83	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

2628.12' 2636.04' 2609.64' 2616.90' 5235.78' 790' 1825' 2355' 570' 5183.64' 31	¹⁷ OPERATOR CERTIFICATE I hereby certify that the information contained in this plat is true and complete to the best of my knowledge and belief. <i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 12/23/97 Date
	¹⁸ SURVEYOR CERTIFICATE I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys or under my supervision and that the same is correct to the best of my belief. OCTOBER 24, 1997 Date of Survey <i>NEALE C. EDWARDS</i> Signature NEALE C. EDWARDS NEW MEXICO 6887 Surveyor 6887 Certificate Number

OPERATIONS PLAN

Well Name: Harrison #1R
Location: 570' FSL, 2355' FWL Section 31, T-32-N, R-10-W - surface
1825' FSL, 790' FWL Section 31, T-32-N, R-10-W - bottom hole
San Juan County, New Mexico
Latitude 36° 56.1, Longitude 107° 55.4
Formation: Blanco Mesa Verde
Elevation: 5924' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1055'	aquifer
Ojo Alamo	1055'	1113'	aquifer
Kirtland	1113'	2280'	
Fruitland	2280'	2743'	
Pictured Cliffs	2743'	2910'	gas
Lewis	2910'	3420'	gas
Huerfanito Bentonite	3420'	3464'	
Intermediate TD	3440'		
Chacra	3464'	4530'	
Massive Cliff House	4530'	4596'	gas
Menefee	4596'	4970'	gas
Massive Point Lookout	4970'	5062'	gas
Lower Point Lookout	5062'		
Total Depth	5400' TVD	5999' MD	

Logging Program:

Cased hole logging - Gamma Ray Neutron
Coring/DST - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200-3630'	LSND	8.4-9.0	30-60	no control
3630-5999'	Gas/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):

<u>Hole Size</u>	<u>Measured Depth</u>	<u>TVD</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	0- 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3630'	0-3440'	7"	20.0#	J-55
6 1/4"	3530' - 5999'	3557-5400'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 5999' 2 3/8" 4.7# J-55

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.

**BURLINGTON
RESOURCES**
Harrison #1R
T32N, R10W

No New Construction
T32N, R10W

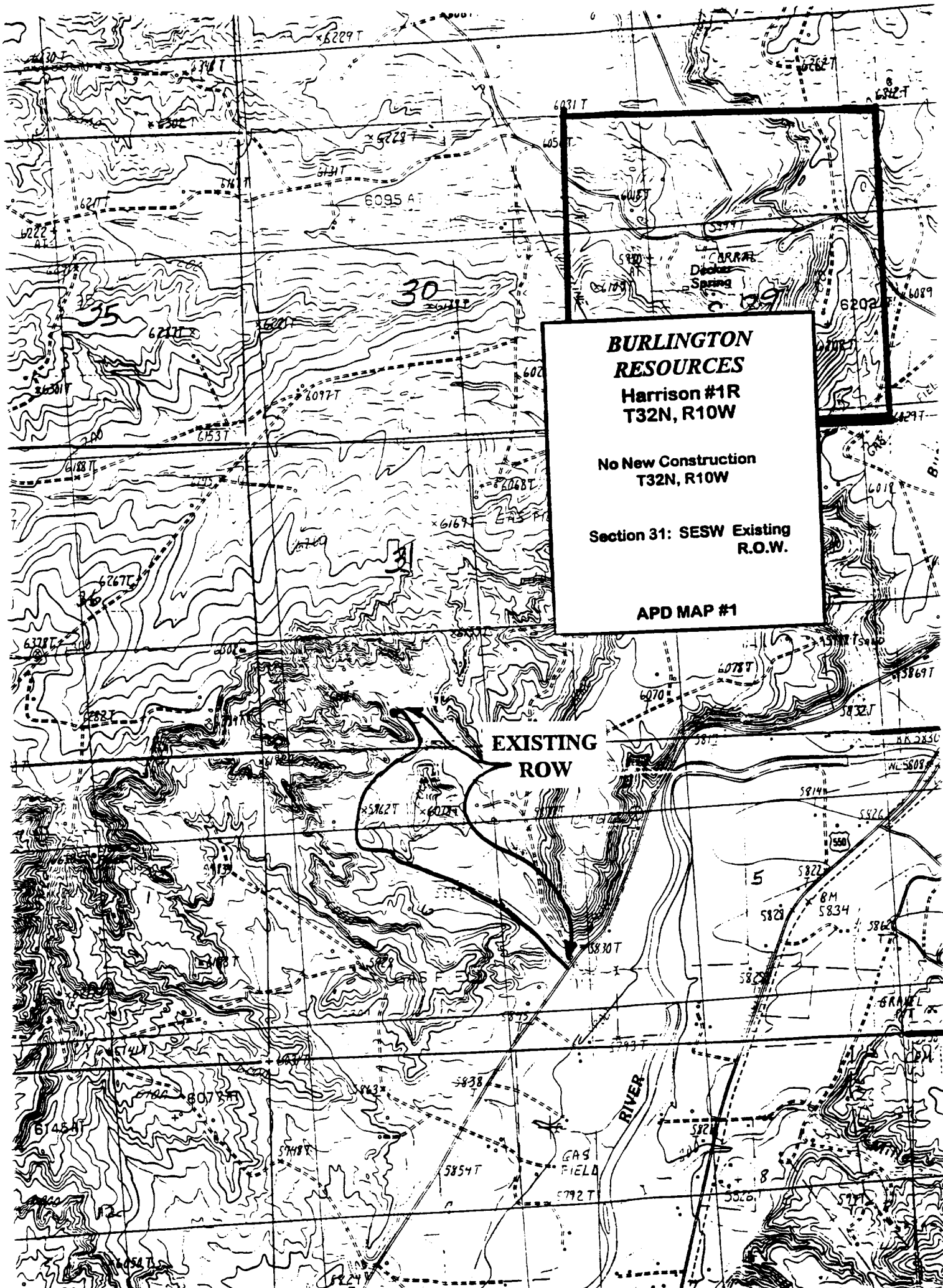
Section 31: SESW Existing
R.O.W.

APD MAP #1

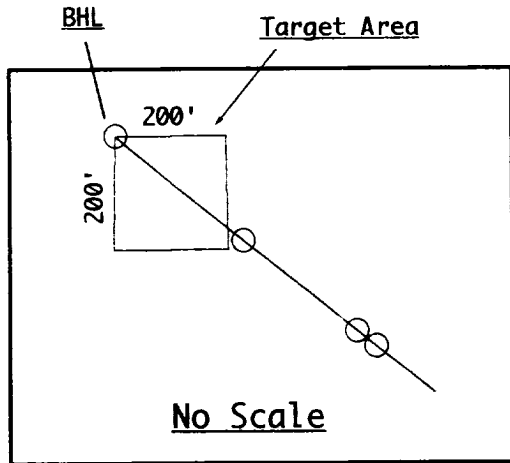
**EXISTING
ROW**

RIVER

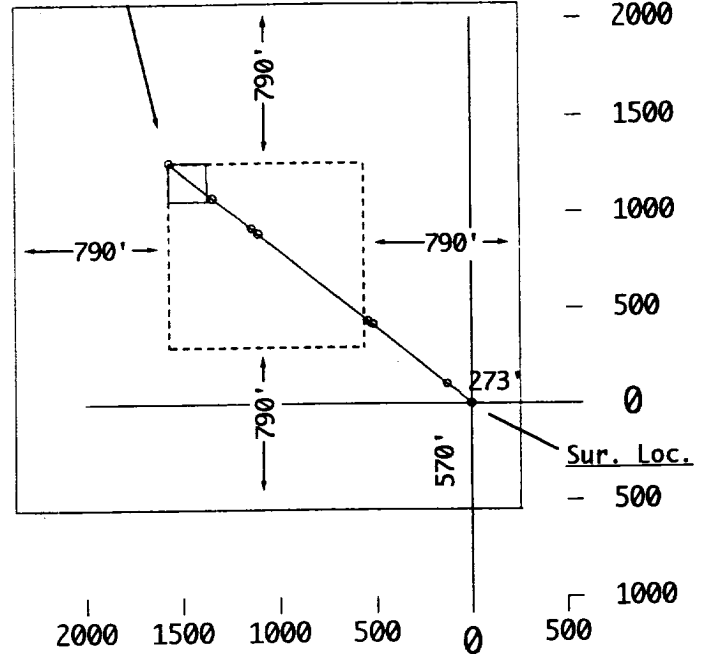
GAS
FIELD



Burlington Resources
Harrison Well No. 1R
San Juan County, New Mexico



BHL
2007' Displacement
@ 308.75° Azimuth
North-1256' West-1565'
TVD-5400' MD-5999'



PLANE OF PROPOSAL
308.75°

HORIZONTAL PLAN
Scale 1" = 1000'

VERTICAL SECTION
Scale 1" = 1000'

