

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-077874 Unit Reporting Number
1b. Type of Well GAS	6. Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Joint Agreement Name 7082
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Hanks 9. Well Number #22R
4. Location of Well 1690' FNL, 850' FEL Latitude 36° 35.5'N, Longitude 107° 49.4'W	10. Field, Pool, Wildcat Fulcher Kutz Pict'd Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) H Sec. 7, T-27-N, R-9-W API # 30-045-30497
14. Distance in Miles from Nearest Town 26 miles from Bloomfield P.O.	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 850'	
16. Acres in Lease	17. Acres Assigned to Well 160 NE/4
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 0.2 miles	
19. Proposed Depth 2696'	320. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6537' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Juan Cole</u> Regulatory/Compliance Supervisor	Date <u>12-8-00</u>

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY /s/ Jim Lovato TITLE \_\_\_\_\_ DATE 2/13/01

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.

22400

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

DISTRICT II  
P.O. Drawer DD, Artesia, N.M. 88211-0719

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

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

# OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, NM 87504-2088

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-045-30497</b>	<sup>2</sup> Pool Code <b>77200 -</b>	<sup>3</sup> Pool Name <b>Fulcher Kutz Pictured Cliffs -</b>
<sup>4</sup> Property Code <b>7082</b>	<sup>5</sup> Property Name <b>HANKS</b>	<sup>6</sup> Well Number <b>22R</b>
<sup>7</sup> GRID No. <b>14538</b>	<sup>8</sup> Operator Name <b>BURLINGTON OIL AND GAS, INC.</b>	<sup>9</sup> Elevation <b>6537'</b>


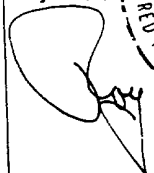
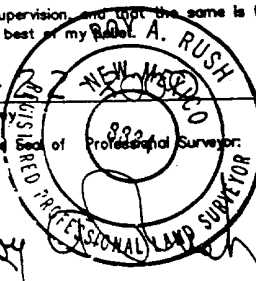
### <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	7	27-N	9-W		1690'	NORTH	850'	EAST	SAN JUAN

### <sup>11</sup> 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	County
<sup>12</sup> Dedicated Acres <b>NE/160</b>		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

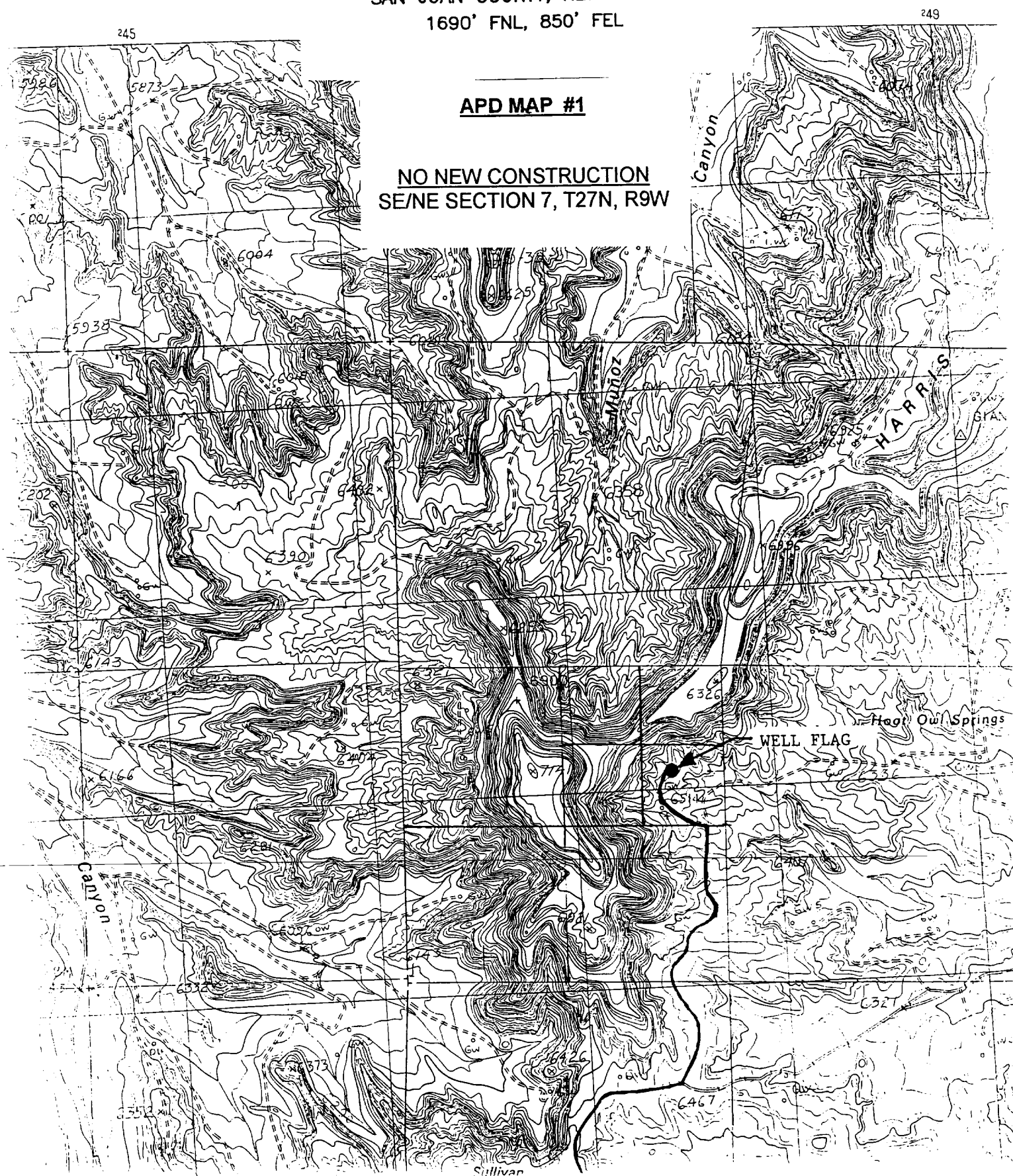
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup> FD 3 1/4" BC ON 2 1/2" STEEL POST G.L.O. 1913  LOT 1	N 89-31-44 W  5267.73'  USA SF-077874  LAT. 36°35.5'N LONG. 107°49.4'W	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief   Signature <b>Peggy Cole</b> Printed Name <b>Regulatory Supervisor</b> Title <b>12-8-00</b> Date
<sup>18</sup> 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 supervision, and that the same is true and correct to the best of my belief.   Date of Survey <b>9-22-00</b> Signature and Seal of Professional Surveyor  8894 Certificate Number		
LOT 3		
LOT 4		

1690' FNL, 850' FEL

APD MAP #1

**NO NEW CONSTRUCTION**  
**SE/NE SECTION 7, T27N, R9W**



## OPERATIONS PLAN

**Well Name:** Hanks #22R  
**Location:** 1690' FNL, 850' FEL, Section 7, T-27-N, R-9-W  
San Juan County, New Mexico  
Latitude 36° 35.5'N, Longitude 107° 49.4'W  
**Formation:** Fulcher Kutz Pictured Cliffs  
**Elevation:** 6537' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	1549'	
Ojo Alamo	1549'	1674'	aquifer
Kirtland	1674'	2042'	gas
Fruitland	2042'	2496'	gas
Pictured Cliffs	2496'		gas
<b>Total Depth</b>	<b>2696'-</b>		

**Logging Program:** cased hole - CBL/GR/CCL TD to surface

**Coring Program:** None

**Mud Program:**

Interval	Type	Weight	Vis.	Fluid Loss
0-120'	Spud	8.4-9.0	40-50	no control
120-2696'	FW	8.4-9.0	32-45	no control

**Casing Program (as listed, equivalent, or better):**

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
8 3/4"	0 - 120'	7"	20#	J-55
6 1/4"	0 - 2696'	2 7/8"	6.5#	J-55

**Float Equipment:** 7" surface casing - saw tooth guide shoe.  
Centralizers will be run in accordance with Onshore Order #2.

2 7/8" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 1674'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1674'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 7" x 2 7/8" 2000 psi screw on independent wellhead.

**Cementing:**

7" surface casing - cement with 46 sx Class "H" cement with 1/4# flocele/sx and 3% calcium chloride (54 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

2 7/8" production casing - Lead w/270 sx Class "H" w/2% econolite, 1/2 pps flocele, 10 pps gilsonite, and 10 pps blended silicalite. Tail w/90 sx 50/50 Class "H" Poz w/2% gel, 2% calcium chloride, 1/4 pps flocele, 5 pps gilsonite (906 cu.ft. of slurry, 100% excess to circulate to surface). WOC 8 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC.

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

**BOP and tests:**

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated to least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

**Additional information:**

- \* The Pictured Cliffs formation will be completed.
- \* Anticipated pore pressure for the Pictured Cliffs is 500 psi.
- \* This gas is dedicated.
- \* The northeast quarter of Section 7 is dedicated to the Pictured Cliffs.

Erin J. Miles  
Drilling Engineer

12/19/00  
Date