

District I - (505) 393-6161

P. O. Box 1980
Hobbs, NM 88241-1980

District II - (505) 748-1283

811 S. First
Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Road
Aztec, NM 87410

District IV - (505) 827-7131

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Form C-140
Initiated 11/1/95
Submit Original
Plus 2 Copies
to appropriate
District Office

OIL CON. DIV.
DIST. 3

**APPLICATION FOR
QUALIFICATION OF WELL WORKOVER PROJECT
AND CERTIFICATION OF APPROVAL**

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I.	Operator:	<u>Burlington Resources</u>	OGRID#:	<u>14538</u>	
	Address:	<u>P. O. Box 4289 Farmington, NM 87499</u>			
	Contact Party:	<u>Peggy Bradfield</u>	Phone:	<u>(505) 326-9700</u>	
II.	Name of Well:	<u>HARRINGTON</u>	6	API #:	<u>300392387100</u>
	Location of Well:				
	Unit Letter:	<u>K</u>	2090' FSL, 2295' FWL	Section:	<u>31</u>
	Township:	<u>027N</u>	Range:	<u>007W</u>	NMPM, <u>RIO ARRIBA</u> County.
III.	Date Workover Procedures Commenced:	<u>7/98</u>			
	Date Workover Procedures were Completed:	<u>8/98</u>			
IV.	Attach a description of the Workover Procedures undertaken to increase the production from the Well. <u>CHACRA RECOMPLETION</u>				
V.	Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.				
VI.	Pool(s) on which Production Projection is based: <u>OTERO CHACRA</u>				
VII.	AFFIDAVIT:				
	State of	<u>New Mexico</u>	)		
			)ss.		
	County of	<u>San Juan</u>	)		

Peggy Bradfield, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Peggy Bradfield
(Name)

Regulatory/Compliance Administrator

(Title)

SUBSCRIBED AND SWORN TO before me this 7th day of May, 19 99.

Mae Benallyon
Notary Public

My Commission expires: 6/9/99

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This application for Qualification of a Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of:

7/11, 19 98.

District Supervisor, District 3

Oil Conservation Division

Date:

7/19/99

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

BLM

Sundry Notices and Reports on Wells

98 AUG 18 PM 1:26

5. Lease Number

SF-080511

070 FARMINGTON, NM

6. Indian, All. or

Tribe Name

1. Type of Well

GAS

7. Unit Agreement Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

2090' FSL, 2295' FWL, Sec. 31, T-27-N, R-7-W, NMPM

DHC-1851

8. Well Name & Number

Harrington #6

9. API Well No.

30-039-23871

10. Field and Pool

Otero Chacra/Blanco MV

11. County and State

Rio Arriba Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☐ Notice of Intent☐ Abandonment☐ Change of Plans☒ Subsequent Report☒ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging Back☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection☒ Other - Commingle

13. Describe Proposed or Completed Operations

7-30-98 MIRU.

7-31-98 ND WH. NU BOP. TOOH w/148 jts 2 3/8" tbg. TIH w/4 1/2" CIBP, set @ 4409'. TOOH. TIH. Ran GR-CBL-CCL @ 0-4409'. TOOH. SDON.

8-1-98 TIH w/4 1/2" fullbore pkr, set @ 2303'. PT tbg & csg to 3800 psi, OK. PT csg above pkr to 1000 psi, OK. Brk dwn Chacra interval w/300 gal 15% HCL @ 2860-3274'. TOOH w/pkr. TIH w/wireline. Perf Chacra w/1 SPF @ 2860, 2929, 2953, 2978, 3006, 3032, 3062, 3086, 3101, 3125, 3128, 3131, 3134, 3150, 3164, 3205, 3234, 3260, 3262, & 3266 w/20 .30" diameter holes total. Acidize perfs w/1300 gal 15% HCL. TOOH. TIH w/4 1/2" fullbore pkr, set @ 2324'. SDON.

8-3-98 PT surf lines to 5000 psi, OK. Frac Chacra formation w/16,000 gal 70 Q foam, 150,000# 20/40 AZ sand. Flow back well after frac.

8-4&5-98 Flow back well.

8-6-98 TOOH w/pkr. Flow well.

8-7-98 TIH w/3 7/8" bit, tag up @ 4311'. Circ & CO w/air to top of CIBP @ 4409'. TOOH. SD over weekend.

8-10-98 TIH, tag top of CIBP. Drill out CIBP @ 4409'. TIH, tag PBTD @ 4904'. TOOH w/bit. TIH, ran perf efficiency log on MV & Chacra perfs. TOOH. SDON.

8-11-98 TIH w/149 jts 2 3/8" 4.7# J-55 EUE tbg, set @ 4823'. ND BOP. NU WH. RD. Rig released.

A Well Completion Report is required.

14. I hereby certify that the foregoing is true and correct.

Signed

*[Signature]*Title Regulatory AdministratorDate 8/17/98

ACCEPTED FOR RECORD

AUG 21 1998

vkh

This space for Federal or State Office use)

APPROVED BY

Title

Date

CONDITION OF APPROVAL, if any:

FARMINGTON DISTRICT OFFICE

OPERATOR

Harrington # 6

<u>Month</u>	<u>Oil</u>	<u>Gas</u>
Aug-97	52	2,871
Sep-97	58	2,731
Oct-97	36	2,546
Nov-97	41	2,337
Dec-97	40	2,046
Jan-98	47	2,516
Feb-98	43	2,759
Mar-98	42	2,725
Apr-98	28	2,544
May-98	49	2,372
Jun-98	29	2,421
Jul-98	25	2,249

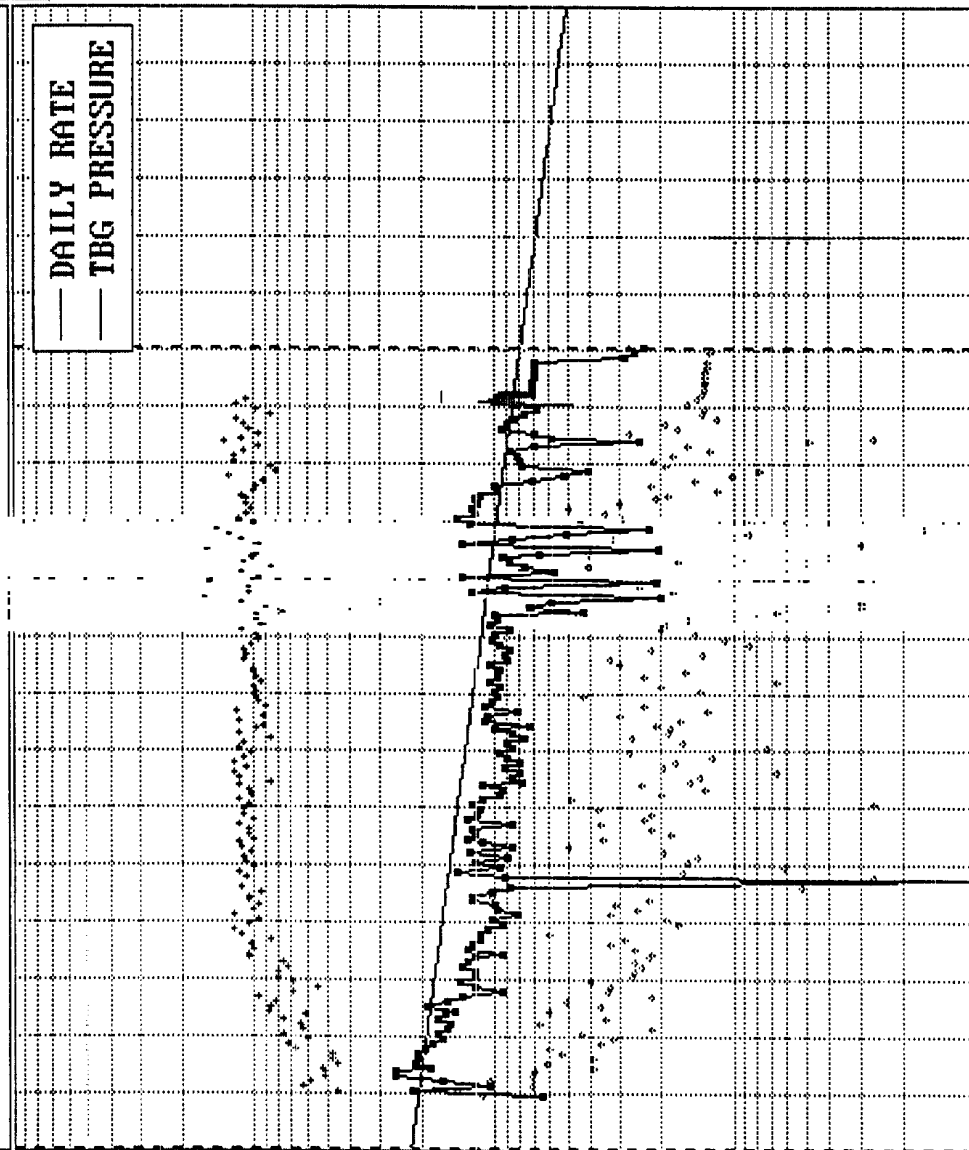
Expected Production Before Workover
HARRINGTON : 6 : 54257A-1

• OIL
• WATER/GAS
• GAS
• WATER

Prop 2875 *

○ WATER Bbls/d

— DAILY RATE
— TBG PRESSURE



85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04

Major = GAS

Expected Production

Harrington # 6

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/98		2,373		8/1/18		564
9/1/98		2,358		9/1/18		561
10/1/98		2,344		10/1/18		557
11/1/98		2,330		11/1/18		554
12/1/98		2,316		12/1/18		551
1/1/99		2,303		1/1/19		547
2/1/99		2,289		2/1/19		544
3/1/99		2,275		3/1/19		541
4/1/99		2,262		4/1/19		538
5/1/99		2,248		5/1/19		535
6/1/99		2,235		6/1/19		531
7/1/99		2,221		7/1/19		528
8/1/99		2,208		8/1/19		525
9/1/99		2,195		9/1/19		522
10/1/99		2,182		10/1/19		519
11/1/99		2,169		11/1/19		516
12/1/99		2,156		12/1/19		513
1/1/00		2,143		1/1/20		510
2/1/00		2,130		2/1/20		506
3/1/00		2,117		3/1/20		503
4/1/00		2,105		4/1/20		500
5/1/00		2,092		5/1/20		497
6/1/00		2,080		6/1/20		494
7/1/00		2,067		7/1/20		492
8/1/00		2,055		8/1/20		489
9/1/00		2,043		9/1/20		486
10/1/00		2,031		10/1/20		483
11/1/00		2,018		11/1/20		480
12/1/00		2,006		12/1/20		477
1/1/01		1,994		1/1/21		474
2/1/01		1,983		2/1/21		471
3/1/01		1,971		3/1/21		469
4/1/01		1,959		4/1/21		466
5/1/01		1,947		5/1/21		463
6/1/01		1,936		6/1/21		460
7/1/01		1,924		7/1/21		457
8/1/01		1,913		8/1/21		455
9/1/01		1,901		9/1/21		452
10/1/01		1,890		10/1/21		449
11/1/01		1,879		11/1/21		447
12/1/01		1,867		12/1/21		444
1/1/02		1,856		1/1/22		441
2/1/02		1,845		2/1/22		439
3/1/02		1,834		3/1/22		436
4/1/02		1,823		4/1/22		433
5/1/02		1,812		5/1/22		431
6/1/02		1,802		6/1/22		428
7/1/02		1,791		7/1/22		426

Expected Production

Harrington # 6

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/02		1,780		8/1/22		423
9/1/02		1,769		9/1/22		421
10/1/02		1,759		10/1/22		418
11/1/02		1,748		11/1/22		416
12/1/02		1,738		12/1/22		413
1/1/03		1,728		1/1/23		411
2/1/03		1,717		2/1/23		408
3/1/03		1,707		3/1/23		406
4/1/03		1,697		4/1/23		403
5/1/03		1,687		5/1/23		401
6/1/03		1,677		6/1/23		399
7/1/03		1,667		7/1/23		396
8/1/03		1,657		8/1/23		394
9/1/03		1,647		9/1/23		392
10/1/03		1,637		10/1/23		389
11/1/03		1,627		11/1/23		387
12/1/03		1,618		12/1/23		385
1/1/04		1,608		1/1/24		382
2/1/04		1,598		2/1/24		380
3/1/04		1,589		3/1/24		378
4/1/04		1,579		4/1/24		375
5/1/04		1,570		5/1/24		373
6/1/04		1,560		6/1/24		371
7/1/04		1,551		7/1/24		369
8/1/04		1,542		8/1/24		367
9/1/04		1,533		9/1/24		364
10/1/04		1,524		10/1/24		362
11/1/04		1,514		11/1/24		360
12/1/04		1,505		12/1/24		358
1/1/05		1,496		1/1/25		356
2/1/05		1,487		2/1/25		354
3/1/05		1,479		3/1/25		352
4/1/05		1,470		4/1/25		349
5/1/05		1,461		5/1/25		347
6/1/05		1,452		6/1/25		345
7/1/05		1,444		7/1/25		343
8/1/05		1,435		8/1/25		341
9/1/05		1,426		9/1/25		339
10/1/05		1,418		10/1/25		337
11/1/05		1,409		11/1/25		335
12/1/05		1,401		12/1/25		333
1/1/06		1,393		1/1/26		331
2/1/06		1,384		2/1/26		329
3/1/06		1,376		3/1/26		327
4/1/06		1,368		4/1/26		325
5/1/06		1,360		5/1/26		323
6/1/06		1,352		6/1/26		321
7/1/06		1,344		7/1/26		319

Expected Production

Harrington # 6

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/06		1,336		8/1/26		318
9/1/06		1,328		9/1/26		316
10/1/06		1,320		10/1/26		314
11/1/06		1,312		11/1/26		312
12/1/06		1,304		12/1/26		310
1/1/07		1,296		1/1/27		308
2/1/07		1,288		2/1/27		306
3/1/07		1,281		3/1/27		305
4/1/07		1,273		4/1/27		303
5/1/07		1,266		5/1/27		301
6/1/07		1,258		6/1/27		299
7/1/07		1,250		7/1/27		297
8/1/07		1,243		8/1/27		296
9/1/07		1,236		9/1/27		294
10/1/07		1,228		10/1/27		292
11/1/07		1,221		11/1/27		290
12/1/07		1,214		12/1/27		289
1/1/08		1,206		1/1/28		287
2/1/08		1,199		2/1/28		285
3/1/08		1,192		3/1/28		283
4/1/08		1,185		4/1/28		282
5/1/08		1,178		5/1/28		280
6/1/08		1,171		6/1/28		278
7/1/08		1,164		7/1/28		277
8/1/08		1,157		8/1/28		275
9/1/08		1,150		9/1/28		273
10/1/08		1,143		10/1/28		272
11/1/08		1,136		11/1/28		270
12/1/08		1,129		12/1/28		269
1/1/09		1,123		1/1/29		267
2/1/09		1,116		2/1/29		265
3/1/09		1,109		3/1/29		264
4/1/09		1,103		4/1/29		262
5/1/09		1,096		5/1/29		261
6/1/09		1,090		6/1/29		259
7/1/09		1,083		7/1/29		258
8/1/09		1,077		8/1/29		256
9/1/09		1,070		9/1/29		254
10/1/09		1,064		10/1/29		253
11/1/09		1,058		11/1/29		251
12/1/09		1,051		12/1/29		250
1/1/10		1,045		1/1/30		248
2/1/10		1,039		2/1/30		247
3/1/10		1,033		3/1/30		245
4/1/10		1,026		4/1/30		244
5/1/10		1,020		5/1/30		243
6/1/10		1,014		6/1/30		241
7/1/10		1,008		7/1/30		240

Harrington # 6

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/10		1,002		8/1/30		238
9/1/10		996		9/1/30		237
10/1/10		990		10/1/30		235
11/1/10		984		11/1/30		234
12/1/10		978		12/1/30		233
1/1/11		973		1/1/31		231
2/1/11		967		2/1/31		230
3/1/11		961		3/1/31		228
4/1/11		955		4/1/31		227
5/1/11		950		5/1/31		226
6/1/11		944		6/1/31		224
7/1/11		938		7/1/31		223
8/1/11		933		8/1/31		222
9/1/11		927		9/1/31		220
10/1/11		922		10/1/31		219
11/1/11		916		11/1/31		218
12/1/11		911		12/1/31		216
1/1/12		905		1/1/32		215
2/1/12		900		2/1/32		214
3/1/12		894		3/1/32		213
4/1/12		889		4/1/32		211
5/1/12		884		5/1/32		210
6/1/12		878		6/1/32		209
7/1/12		873		7/1/32		208
8/1/12		868		8/1/32		206
9/1/12		863		9/1/32		205
10/1/12		858		10/1/32		204
11/1/12		853		11/1/32		203
12/1/12		847		12/1/32		201
1/1/13		842		1/1/33		200
2/1/13		837		2/1/33		199
3/1/13		832		3/1/33		198
4/1/13		827		4/1/33		197
5/1/13		822		5/1/33		196
6/1/13		818		6/1/33		194
7/1/13		813		7/1/33		193
8/1/13		808		8/1/33		192
9/1/13		803		9/1/33		191
10/1/13		798		10/1/33		190
11/1/13		793		11/1/33		189
12/1/13		789		12/1/33		188
1/1/14		784		1/1/34		186
2/1/14		779		2/1/34		185
3/1/14		775		3/1/34		184
4/1/14		770		4/1/34		183
5/1/14		765		5/1/34		182
6/1/14		761		6/1/34		181
7/1/14		756		7/1/34		180

Harrington # 6

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/14		752		8/1/34		179
9/1/14		747		9/1/34		178
10/1/14		743		10/1/34		177
11/1/14		738		11/1/34		176
12/1/14		734		12/1/34		175
1/1/15		730		1/1/35		173
2/1/15		725		2/1/35		172
3/1/15		721		3/1/35		171
4/1/15		717		4/1/35		170
5/1/15		712		5/1/35		169
6/1/15		708		6/1/35		168
7/1/15		704		7/1/35		167
8/1/15		700		8/1/35		166
9/1/15		696		9/1/35		165
10/1/15		691		10/1/35		164
11/1/15		687		11/1/35		163
12/1/15		683		12/1/35		162
1/1/16		679		1/1/36		161
2/1/16		675		2/1/36		160
3/1/16		671		3/1/36		160
4/1/16		667		4/1/36		159
5/1/16		663		5/1/36		158
6/1/16		659		6/1/36		157
7/1/16		655		7/1/36		156
8/1/16		651		8/1/36		155
9/1/16		647		9/1/36		154
10/1/16		643		10/1/36		153
11/1/16		640		11/1/36		152
12/1/16		636		12/1/36		151
1/1/17		632		1/1/37		150
2/1/17		628		2/1/37		149
3/1/17		625		3/1/37		148
4/1/17		621		4/1/37		148
5/1/17		617		5/1/37		147
6/1/17		613		6/1/37		146
7/1/17		610		7/1/37		145
8/1/17		606		8/1/37		144
9/1/17		602		9/1/37		143
10/1/17		599		10/1/37		142
11/1/17		595		11/1/37		142
12/1/17		592		12/1/37		141
1/1/18		588		1/1/38		140
2/1/18		585		2/1/38		139
3/1/18		581		3/1/38		138
4/1/18		578		4/1/38		137
5/1/18		574		5/1/38		137
6/1/18		571		6/1/38		136
7/1/18		567		7/1/38		135