

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

Form C-140
Originated 11/1/95

Submit Original
Plus 2 Copies
to appropriate
District Office

RECEIVED
MAY 10 1999

OIL CON. DIV.
DIST. 2

**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: Burlington Resources OGRID#: 14538

Address: P. O. Box 4289 Farmington, NM 87499

Contact Party: Peggy Bradfield Phone: (505) 326-9700

II. Name of Well: SUNRAY E 5 API #: 300452085200

Location of Well:

Unit Letter: F 1850' FNL, 1640' FWL Section: 09

Township: 030N Range: 010W NMPM, SAN JUAN County.

III. Date Workover Procedures Commenced: 10/98

Date Workover Procedures were Completed: 1/99

IV. Attach a description of the Workover Procedures undertaken to increase the production from the Well.
SLIMHOLE RESTIMULATION

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:
BLANCO PICTURED CLIFFS

VII. **AFFIDAVIT:**

State of New Mexico)

County of San Juan) ss.

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.

(Name)

Regulatory/Compliance Administrator

(Title)

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

Mae Benally
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:

1/5, 19 99.

SS.S
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: _____

submitted in lieu of Form 160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well GAS	5. Lease Number SF-077730
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY	6. If Indian, All. or Tribe Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name
4. Location of Well, Footage, Sec., T, R, M 1850' FNL, 1640' FWL, Sec. 9, T-30-N, R-10-W, NMPM	8. Well Name & Number Sunray E #5
	9. API Well No. 30-045-20852
	10. Field and Pool Blanco Pict'd Cliffs
	11. County and State San Juan Co., NM

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

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

13. Describe Proposed or Completed Operations

10-23-98 RU. PT surface lines to 5500 psi. Frac PC w/87 bbl 20# linear gel, 22,263# 16/30 AZ snd, 101,051 SCF N2. Flow back well. Shut-in well.

11-9-98 TIH, tag up @ 2516'. Perfs @ 3004-3030'. PBTD @ 3108'. SDON.

11-10/11-98 Bail sand.

11-12-98 Bail sand. Shut-in well.

11-20-98 MIRU. ND WH. NU BOP. TIH w/bit. SD for wknd.

11-23-98 Est mist, CO @ 2458' to PBTD. Circ hole clean. SDON.

11-24-98 CO to PBTD. Circ hole clean. TOOH w/bit. ND BOP. NU WH. RD. Rig released.

12-4-98 FT surface lines to 4500 psi. Frac PC w/585 bbl 30# linear gel, 175,000# 20/40 AZ snd, 477,160 SCF N2. Flow back well.

12-5/6-98 Flow back well & CO after frac.

12-7-98 Flow back well. Shut-in well.

12-30-98 RU. TIH. CO @ 3061-3086'. Perfs @ 3004-3030'. PBTD @ 3108'. Flow well.

12-31-98 Flow well. TIH, tag up @ 3085'. RD. Shut-in well.

1-5-99 Ran after frac log @ 3070-2770'. Well turned to production.

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

Signed [Signature] Title Regulatory Administrator Date 1/11/99

vkh

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date FEB 11 1999

CONDITION OF APPROVAL, if any:

Browsing: SUNRAY E | 5 | 44735A
Table(P): PRODUCT/M,P,H,E,T,Z,C
Item: 2/18/19 Name: DA

--DATE--	----	OIL----	----	GAS----
		Bbl		Mcf
10/31/97			939	
11/30/97			901	
12/31/97			885	
01/31/98			1079	
02/28/98			880	
03/31/98			898	
04/30/98			832	
05/31/98			892	
06/30/98			930	
07/31/98			874	
08/31/98			855	
09/30/98			840	

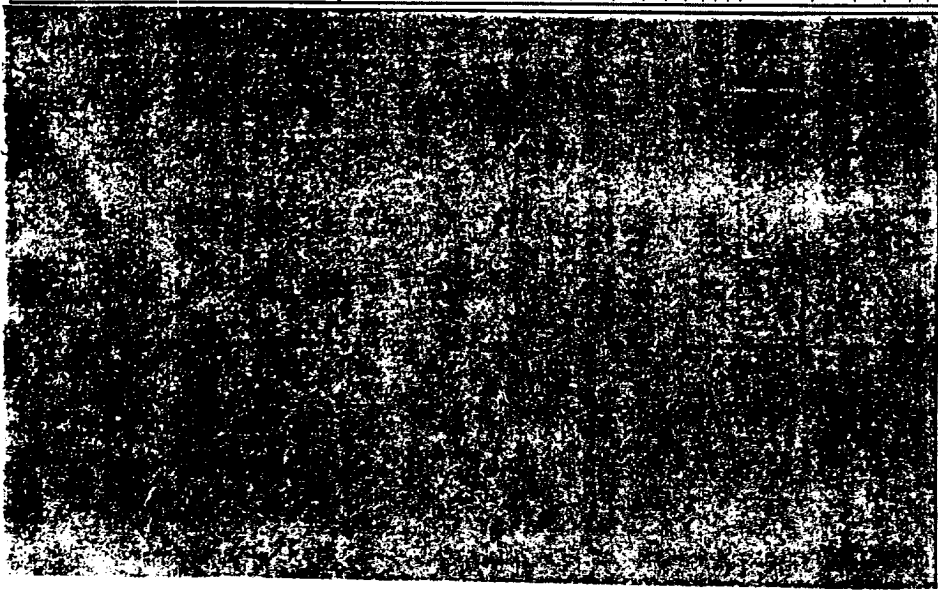
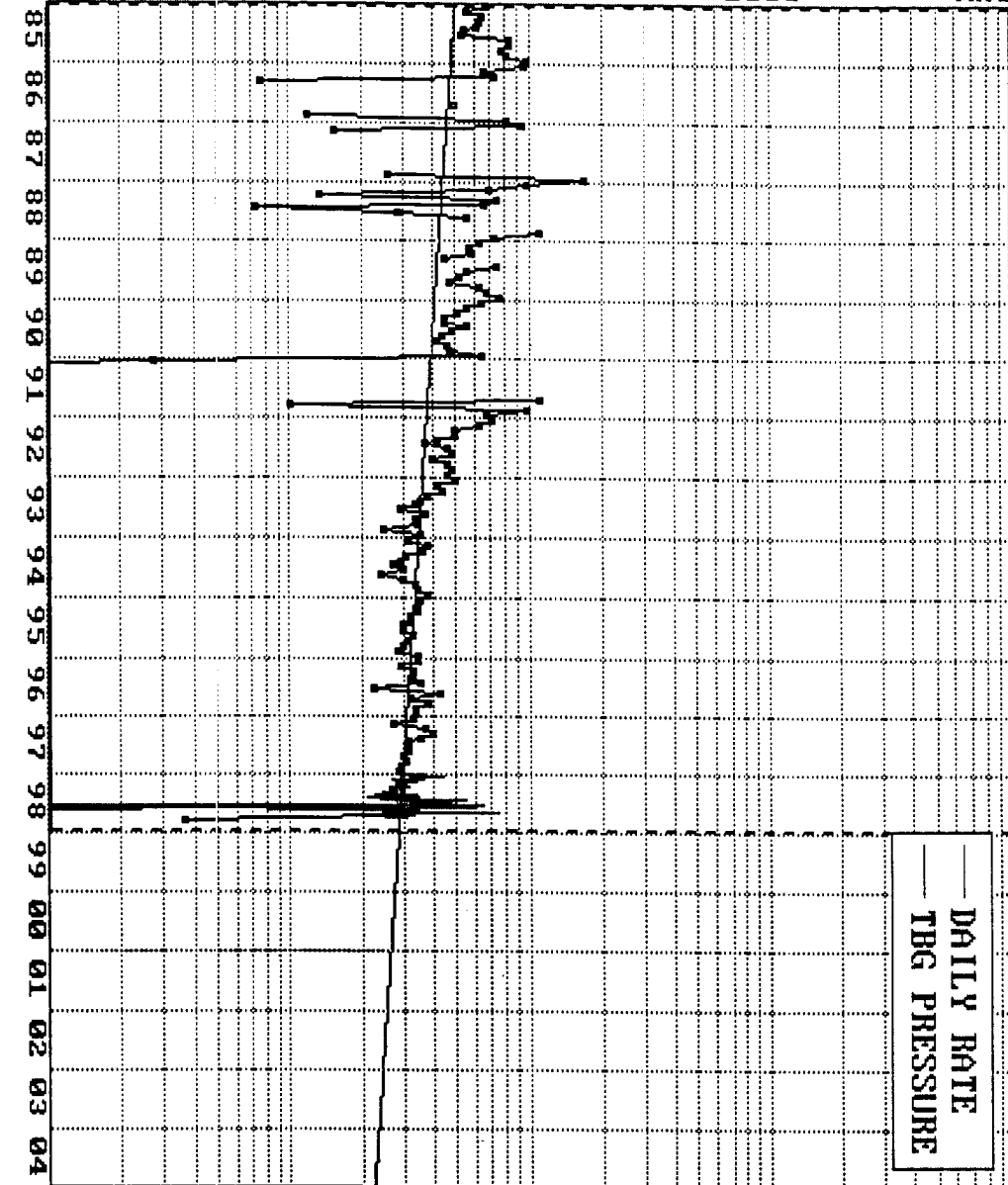
Expected Production before workover

SUNRAY E : 5 : 44735A-1

Prop 132 *

○ * WATER Bbls/d

0.1	1	10	100	* OIL
1	10	100	1000	* WATER/GAS
1	10	100	1000	* GAS
1	10	100	1000	* WATER



Major = GAS

Expected Production

Sunray E # 5

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
1/1/99		876		1/1/19		400
2/1/99		873		2/1/19		399
3/1/99		870		3/1/19		398
4/1/99		867		4/1/19		397
5/1/99		865		5/1/19		395
6/1/99		862		6/1/19		394
7/1/99		859		7/1/19		393
8/1/99		856		8/1/19		391
9/1/99		853		9/1/19		390
10/1/99		851		10/1/19		389
11/1/99		848		11/1/19		388
12/1/99		845		12/1/19		386
1/1/00		842		1/1/20		385
2/1/00		840		2/1/20		384
3/1/00		837		3/1/20		383
4/1/00		834		4/1/20		381
5/1/00		831		5/1/20		380
6/1/00		829		6/1/20		379
7/1/00		826		7/1/20		378
8/1/00		823		8/1/20		376
9/1/00		821		9/1/20		375
10/1/00		818		10/1/20		374
11/1/00		815		11/1/20		373
12/1/00		813		12/1/20		372
1/1/01		810		1/1/21		370
2/1/01		807		2/1/21		369
3/1/01		805		3/1/21		368
4/1/01		802		4/1/21		367
5/1/01		800		5/1/21		366
6/1/01		797		6/1/21		364
7/1/01		794		7/1/21		363
8/1/01		792		8/1/21		362
9/1/01		789		9/1/21		361
10/1/01		787		10/1/21		360
11/1/01		784		11/1/21		358
12/1/01		782		12/1/21		357
1/1/02		779		1/1/22		356
2/1/02		776		2/1/22		355
3/1/02		774		3/1/22		354
4/1/02		771		4/1/22		353
5/1/02		769		5/1/22		352
6/1/02		766		6/1/22		350
7/1/02		764		7/1/22		349
8/1/02		761		8/1/22		348
9/1/02		759		9/1/22		347
10/1/02		756		10/1/22		346
11/1/02		754		11/1/22		345
12/1/02		752		12/1/22		344

Expected Production

Sunray E # 5

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
1/1/03		749		1/1/23		342
2/1/03		747		2/1/23		341
3/1/03		744		3/1/23		340
4/1/03		742		4/1/23		339
5/1/03		739		5/1/23		338
6/1/03		737		6/1/23		337
7/1/03		735		7/1/23		336
8/1/03		732		8/1/23		335
9/1/03		730		9/1/23		334
10/1/03		727		10/1/23		333
11/1/03		725		11/1/23		331
12/1/03		723		12/1/23		330
1/1/04		720		1/1/24		329
2/1/04		718		2/1/24		328
3/1/04		716		3/1/24		327
4/1/04		713		4/1/24		326
5/1/04		711		5/1/24		325
6/1/04		709		6/1/24		324
7/1/04		706		7/1/24		323
8/1/04		704		8/1/24		322
9/1/04		702		9/1/24		321
10/1/04		699		10/1/24		320
11/1/04		697		11/1/24		319
12/1/04		695		12/1/24		318
1/1/05		693		1/1/25		317
2/1/05		690		2/1/25		316
3/1/05		688		3/1/25		315
4/1/05		686		4/1/25		314
5/1/05		684		5/1/25		313
6/1/05		681		6/1/25		312
7/1/05		679		7/1/25		311
8/1/05		677		8/1/25		310
9/1/05		675		9/1/25		309
10/1/05		673		10/1/25		308
11/1/05		670		11/1/25		307
12/1/05		668		12/1/25		306
1/1/06		666		1/1/26		305
2/1/06		664		2/1/26		304
3/1/06		662		3/1/26		303
4/1/06		660		4/1/26		302
5/1/06		657		5/1/26		301
6/1/06		655		6/1/26		300
7/1/06		653		7/1/26		299
8/1/06		651		8/1/26		298
9/1/06		649		9/1/26		297
10/1/06		647		10/1/26		296
11/1/06		645		11/1/26		295
12/1/06		643		12/1/26		294

Expected Production

Sunray E # 5

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
1/1/07		641		1/1/27		293
2/1/07		638		2/1/27		292
3/1/07		636		3/1/27		291
4/1/07		634		4/1/27		290
5/1/07		632		5/1/27		289
6/1/07		630		6/1/27		288
7/1/07		628		7/1/27		287
8/1/07		626		8/1/27		286
9/1/07		624		9/1/27		285
10/1/07		622		10/1/27		284
11/1/07		620		11/1/27		283
12/1/07		618		12/1/27		283
1/1/08		616		1/1/28		282
2/1/08		614		2/1/28		281
3/1/08		612		3/1/28		280
4/1/08		610		4/1/28		279
5/1/08		608		5/1/28		278
6/1/08		606		6/1/28		277
7/1/08		604		7/1/28		276
8/1/08		602		8/1/28		275
9/1/08		600		9/1/28		274
10/1/08		598		10/1/28		273
11/1/08		596		11/1/28		273
12/1/08		594		12/1/28		272
1/1/09		592		1/1/29		271
2/1/09		590		2/1/29		270
3/1/09		588		3/1/29		269
4/1/09		587		4/1/29		268
5/1/09		585		5/1/29		267
6/1/09		583		6/1/29		266
7/1/09		581		7/1/29		266
8/1/09		579		8/1/29		265
9/1/09		577		9/1/29		264
10/1/09		575		10/1/29		263
11/1/09		573		11/1/29		262
12/1/09		571		12/1/29		261
1/1/10		570		1/1/30		260
2/1/10		568		2/1/30		260
3/1/10		566		3/1/30		259
4/1/10		564		4/1/30		258
5/1/10		562		5/1/30		257
6/1/10		560		6/1/30		256
7/1/10		559		7/1/30		255
8/1/10		557		8/1/30		255
9/1/10		555		9/1/30		254
10/1/10		553		10/1/30		253
11/1/10		551		11/1/30		252
12/1/10		550		12/1/30		251

Expected Production

Surray E # 5

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
1/1/11		548		1/1/31		250
2/1/11		546		2/1/31		250
3/1/11		544		3/1/31		249
4/1/11		542		4/1/31		248
5/1/11		541		5/1/31		247
6/1/11		539		6/1/31		246
7/1/11		537		7/1/31		246
8/1/11		535		8/1/31		245
9/1/11		534		9/1/31		244
10/1/11		532		10/1/31		243
11/1/11		530		11/1/31		242
12/1/11		528		12/1/31		242
1/1/12		527		1/1/32		241
2/1/12		525		2/1/32		240
3/1/12		523		3/1/32		239
4/1/12		522		4/1/32		238
5/1/12		520		5/1/32		238
6/1/12		518		6/1/32		237
7/1/12		516		7/1/32		236
8/1/12		515		8/1/32		235
9/1/12		513		9/1/32		235
10/1/12		511		10/1/32		234
11/1/12		510		11/1/32		233
12/1/12		508		12/1/32		232
1/1/13		506		1/1/33		232
2/1/13		505		2/1/33		231
3/1/13		503		3/1/33		230
4/1/13		502		4/1/33		229
5/1/13		500		5/1/33		229
6/1/13		498		6/1/33		228
7/1/13		497		7/1/33		227
8/1/13		495		8/1/33		226
9/1/13		493		9/1/33		226
10/1/13		492		10/1/33		225
11/1/13		490		11/1/33		224
12/1/13		489		12/1/33		223
1/1/14		487		1/1/34		223
2/1/14		485		2/1/34		222
3/1/14		484		3/1/34		221
4/1/14		482		4/1/34		221
5/1/14		481		5/1/34		220
6/1/14		479		6/1/34		219
7/1/14		478		7/1/34		218
8/1/14		476		8/1/34		218
9/1/14		475		9/1/34		217
10/1/14		473		10/1/34		216
11/1/14		471		11/1/34		216
12/1/14		470		12/1/34		215

Expected Production

Sunray E # 5

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
1/1/15		468		1/1/35		214
2/1/15		467		2/1/35		213
3/1/15		465		3/1/35		213
4/1/15		464		4/1/35		212
5/1/15		462		5/1/35		211
6/1/15		461		6/1/35		211
7/1/15		459		7/1/35		210
8/1/15		458		8/1/35		209
9/1/15		456		9/1/35		209
10/1/15		455		10/1/35		208
11/1/15		453		11/1/35		207
12/1/15		452		12/1/35		207
1/1/16		450		1/1/36		206
2/1/16		449		2/1/36		205
3/1/16		447		3/1/36		205
4/1/16		446		4/1/36		204
5/1/16		445		5/1/36		203
6/1/16		443		6/1/36		203
7/1/16		442		7/1/36		202
8/1/16		440		8/1/36		201
9/1/16		439		9/1/36		201
10/1/16		437		10/1/36		200
11/1/16		436		11/1/36		199
12/1/16		435		12/1/36		199
1/1/17		433		1/1/37		198
2/1/17		432		2/1/37		197
3/1/17		430		3/1/37		197
4/1/17		429		4/1/37		196
5/1/17		427		5/1/37		195
6/1/17		426		6/1/37		195
7/1/17		425		7/1/37		194
8/1/17		423		8/1/37		194
9/1/17		422		9/1/37		193
10/1/17		421		10/1/37		192
11/1/17		419		11/1/37		192
12/1/17		418		12/1/37		191
1/1/18		416		1/1/38		190
2/1/18		415		2/1/38		190
3/1/18		414		3/1/38		189
4/1/18		412		4/1/38		189
5/1/18		411		5/1/38		188
6/1/18		410		6/1/38		187
7/1/18		408		7/1/38		187
8/1/18		407		8/1/38		186
9/1/18		406		9/1/38		186
10/1/18		404		10/1/38		185
11/1/18		403		11/1/38		184
12/1/18		402		12/1/38		184