

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

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MAR 26 1999
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: Burlington Resources OGRID#: 14538
Address: P. O. Box 4289 Farmington, NM 87499
Contact Party: Peggy Bradfield Phone: (505) 326-9700

II. Name of Well: LIVELY 21E API #: 300392267000
Location of Well:
Unit Letter: F 930' FNL 800' FWL Section: 31
Township: 027N Range: 007W NMPM, RIO ARRIBA County.

III. Date Workover Procedures Commenced: 8/98
Date Workover Procedures were Completed: 8/98

IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.
ADD CHACRA AND MESAVERDE FORMATIONS

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:
BASIN DAKOTA

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.

Peggy Bradfield
(Name)

Regulatory/Compliance Administrator
(Title)

SUBSCRIBED AND SWORN TO before me this 26th day of March, 19 99.

Mae Benallyson
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:

8/27, 19 98.

SS. J
District Supervisor, District 3
Oil Conservation Division

Date: 7/17/99

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

DATE: _____

98 SEP -4 PM 2:~
1. Type of Well
OIL GAS

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

930' FNL, 800' FWL, Sec. 31, T-27-N, R-7-W, NMPM

DHC-2084

5. Lease Number
SF-080511
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name

8. Well Name & Number
Lively #21E
9. API Well No.
30-039-22670
10. Field and Pool
Otero Chacra/
Blanco MV/Basin DK
11. County and State
Rio Arriba Co, NM

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

Type of Submission

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment

Type of Action

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

13. Describe Proposed or Completed Operations

- 8-11-98 MIRU. ND WH. NU BOP. TOOH w/201 jts 2 3/8" tbgs. TIH w/gauge ring to 6670'. TOOH. TIH w/4 1/2" CIBP, set @ 4810'. TOOH. SDON.
8-12-98 TIH w/wireline. Ran GR-CBL @ 2900-4806'. TOOH w/wireline. TIH w/4 1/2" pkr. PT csg to 4100 psi/15 min., OK. TOOH w/pkr. TIH w/wireline. Perf MV w/2 SPF @ 4458, 4466, 4468, 4470, 4472, 4474, 4476, 4478, 4480, 4482, 4484, 4486, 4488, 4490, 4492, 4524, 4526, 4528, 4530, 4532, 4534, 4568, 4572, 4576, 4590, 4592, 4594, 4596, 4620, 4662 w/60 0.32" diameter holes total. TOOH w/wireline. Brk down perfs w/25 bbl 15% HCL. SDON.
8-13-98 Frac MV w/13,000 gal slk wtr, 100,000# 20/40 Brady snd. TIH, set CIBP @ 3380'. PT csg to 4100 psi/15 min., OK. TOOH. TIH w/wireline. Perf Chacra w/2 SPF @ 3132' to 3276' w/32 0.32" diameter holes total. TOOH w/wireline. Brk down perfs w/25 bbl 15% HCL. SDON.
8-14-98 Frac Chacra w/6000 gal 70 Q foam, 50,000# 20/40 Brady snd, 12,200 SCF N2. Flow well back & CO after frac.
8-15/17-98 Flow well & CO.
8-18-98 TIH w/3 7/8" bit, tag up @ 3377'. Circ & CO.
8-19-98 Drill out CIBP w/air. Circ w/air. CO to 4472'. TOOH w/bit.
8-20/26-98 Circ & CO w/air. Flow well back naturally.
8-27-98 Circ w/air. TIH to PBTD @ 6677'. TOOH. TIH w/203 jts 2 3/8" 4.7# J-55 EUE tbgs, set @ 6616'. ND BOP. NU WH. RD. Rig released.

Well will operate as Chacra, MV, DK commingle underpiped for record.
14. I hereby certify that the foregoing is true and correct.

Signed [Signature] Title Regulatory Administrator Date SEP 21 1998 vkh

(This space for Federal or State Office use)
APPROVED BY _____ Title _____
CONDITION OF APPROVAL, if any:

OPERATOR

Date

FARMINGTON DISTRICT OFFICE

8/28/98

Telephone No. (505) 326-9700

47. If this is a change of operator fill in the OGRID number and name of the previous operator

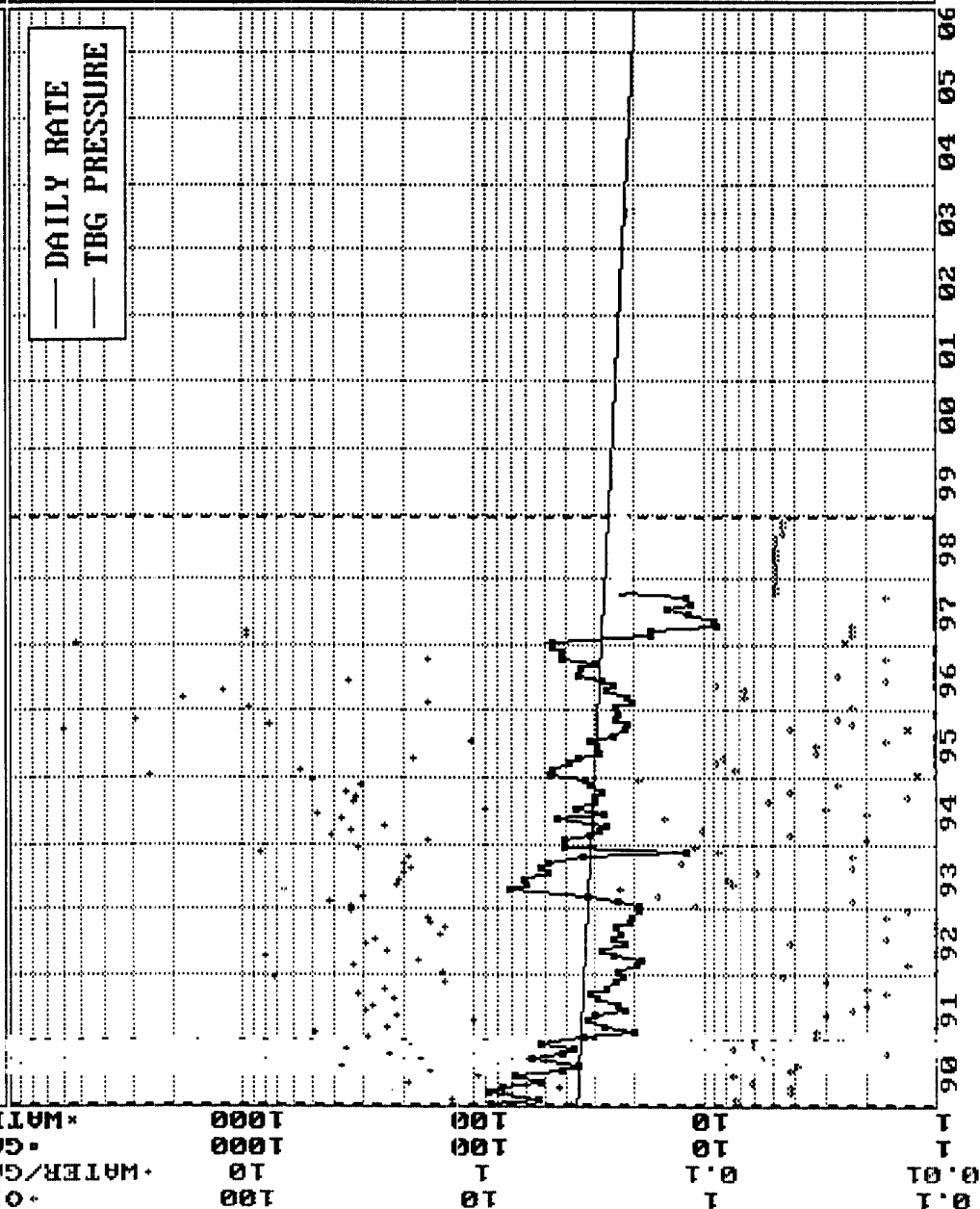
Browsing: LIVELY | 21E | 43958A
Table(P): PRODUCT/M,P,H,E,T,Z,C
Item: 2/18/19 Name: D

--DATE--	----OIL----	----GAS----
	Bbl	Mcf
7/31/97	0	440
8/31/97	0	347
9/30/97	0	365
10/31/97	0	388
11/30/97	0	372
12/31/97	0	390
1/31/98	0	282
2/28/98	0	370
3/31/98	0	829
4/30/98	0	878
5/31/98	0	742
6/30/98	0	444

Expected Production Before Workover

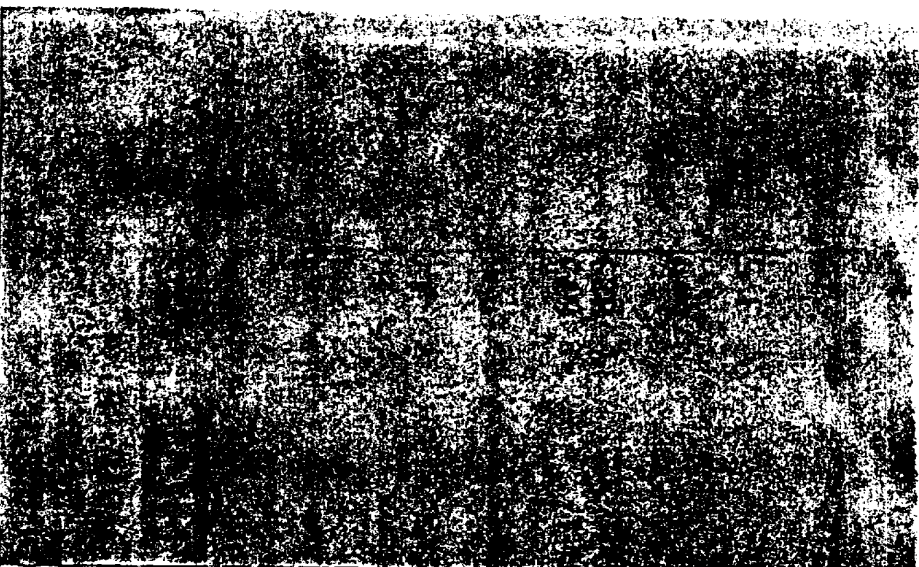
LIVELY : 21E : 43958A-1

• OIL
• WATER/GAS
• GAS
• WATER



Prop 1138 *

• WATER Bbls/d



Major = GAS

Expected Production

Lively # 21E

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/98		812		8/1/18		403
9/1/98		810		9/1/18		402
10/1/98		807		10/1/18		401
11/1/98		805		11/1/18		399
12/1/98		803		12/1/18		398
1/1/99		800		1/1/19		397
2/1/99		798		2/1/19		396
3/1/99		796		3/1/19		395
4/1/99		793		4/1/19		394
5/1/99		791		5/1/19		392
6/1/99		789		6/1/19		391
7/1/99		786		7/1/19		390
8/1/99		784		8/1/19		389
9/1/99		782		9/1/19		388
10/1/99		780		10/1/19		387
11/1/99		777		11/1/19		386
12/1/99		775		12/1/19		384
1/1/00		773		1/1/20		383
2/1/00		771		2/1/20		382
3/1/00		768		3/1/20		381
4/1/00		766		4/1/20		380
5/1/00		764		5/1/20		379
6/1/00		762		6/1/20		378
7/1/00		759		7/1/20		377
8/1/00		757		8/1/20		376
9/1/00		755		9/1/20		375
10/1/00		753		10/1/20		373
11/1/00		751		11/1/20		372
12/1/00		748		12/1/20		371
1/1/01		746		1/1/21		370
2/1/01		744		2/1/21		369
3/1/01		742		3/1/21		368
4/1/01		740		4/1/21		367
5/1/01		738		5/1/21		366
6/1/01		735		6/1/21		365
7/1/01		733		7/1/21		364
8/1/01		731		8/1/21		363
9/1/01		729		9/1/21		362
10/1/01		727		10/1/21		361
11/1/01		725		11/1/21		360
12/1/01		723		12/1/21		358
1/1/02		720		1/1/22		357
2/1/02		718		2/1/22		356
3/1/02		716		3/1/22		355
4/1/02		714		4/1/22		354
5/1/02		712		5/1/22		353
6/1/02		710		6/1/22		352
7/1/02		708		7/1/22		351

Expected Production

Lively # 21E

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/02		706		8/1/22		350
9/1/02		704		9/1/22		349
10/1/02		702		10/1/22		348
11/1/02		700		11/1/22		347
12/1/02		698		12/1/22		346
1/1/03		696		1/1/23		345
2/1/03		694		2/1/23		344
3/1/03		692		3/1/23		343
4/1/03		690		4/1/23		342
5/1/03		688		5/1/23		341
6/1/03		686		6/1/23		340
7/1/03		684		7/1/23		339
8/1/03		682		8/1/23		338
9/1/03		680		9/1/23		337
10/1/03		678		10/1/23		336
11/1/03		676		11/1/23		335
12/1/03		674		12/1/23		334
1/1/04		672		1/1/24		333
2/1/04		670		2/1/24		332
3/1/04		668		3/1/24		331
4/1/04		666		4/1/24		330
5/1/04		664		5/1/24		329
6/1/04		662		6/1/24		328
7/1/04		660		7/1/24		327
8/1/04		658		8/1/24		326
9/1/04		656		9/1/24		326
10/1/04		654		10/1/24		325
11/1/04		652		11/1/24		324
12/1/04		650		12/1/24		323
1/1/05		649		1/1/25		322
2/1/05		647		2/1/25		321
3/1/05		645		3/1/25		320
4/1/05		643		4/1/25		319
5/1/05		641		5/1/25		318
6/1/05		639		6/1/25		317
7/1/05		637		7/1/25		316
8/1/05		635		8/1/25		315
9/1/05		634		9/1/25		314
10/1/05		632		10/1/25		313
11/1/05		630		11/1/25		312
12/1/05		628		12/1/25		312
1/1/06		626		1/1/26		311
2/1/06		624		2/1/26		310
3/1/06		623		3/1/26		309
4/1/06		621		4/1/26		308
5/1/06		619		5/1/26		307
6/1/06		617		6/1/26		306
7/1/06		615		7/1/26		305

Expected Production

Lively # 21E

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/06		614		8/1/26		304
9/1/06		612		9/1/26		303
10/1/06		610		10/1/26		303
11/1/06		608		11/1/26		302
12/1/06		606		12/1/26		301
1/1/07		605		1/1/27		300
2/1/07		603		2/1/27		299
3/1/07		601		3/1/27		298
4/1/07		599		4/1/27		297
5/1/07		598		5/1/27		296
6/1/07		596		6/1/27		296
7/1/07		594		7/1/27		295
8/1/07		592		8/1/27		294
9/1/07		591		9/1/27		293
10/1/07		589		10/1/27		292
11/1/07		587		11/1/27		291
12/1/07		586		12/1/27		290
1/1/08		584		1/1/28		290
2/1/08		582		2/1/28		289
3/1/08		580		3/1/28		288
4/1/08		579		4/1/28		287
5/1/08		577		5/1/28		286
6/1/08		575		6/1/28		285
7/1/08		574		7/1/28		285
8/1/08		572		8/1/28		284
9/1/08		570		9/1/28		283
10/1/08		569		10/1/28		282
11/1/08		567		11/1/28		281
12/1/08		565		12/1/28		280
1/1/09		564		1/1/29		280
2/1/09		562		2/1/29		279
3/1/09		560		3/1/29		278
4/1/09		559		4/1/29		277
5/1/09		557		5/1/29		276
6/1/09		556		6/1/29		276
7/1/09		554		7/1/29		275
8/1/09		552		8/1/29		274
9/1/09		551		9/1/29		273
10/1/09		549		10/1/29		272
11/1/09		547		11/1/29		272
12/1/09		546		12/1/29		271
1/1/10		544		1/1/30		270
2/1/10		543		2/1/30		269
3/1/10		541		3/1/30		268
4/1/10		540		4/1/30		268
5/1/10		538		5/1/30		267
6/1/10		536		6/1/30		266
7/1/10		535		7/1/30		265

Expected Production

Lively # 21E

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/10		533		8/1/30		265
9/1/10		532		9/1/30		264
10/1/10		530		10/1/30		263
11/1/10		529		11/1/30		262
12/1/10		527		12/1/30		261
1/1/11		526		1/1/31		261
2/1/11		524		2/1/31		260
3/1/11		522		3/1/31		259
4/1/11		521		4/1/31		258
5/1/11		519		5/1/31		258
6/1/11		518		6/1/31		257
7/1/11		516		7/1/31		256
8/1/11		515		8/1/31		255
9/1/11		513		9/1/31		255
10/1/11		512		10/1/31		254
11/1/11		510		11/1/31		253
12/1/11		509		12/1/31		252
1/1/12		507		1/1/32		252
2/1/12		506		2/1/32		251
3/1/12		504		3/1/32		250
4/1/12		503		4/1/32		250
5/1/12		502		5/1/32		249
6/1/12		500		6/1/32		248
7/1/12		499		7/1/32		247
8/1/12		497		8/1/32		247
9/1/12		496		9/1/32		246
10/1/12		494		10/1/32		245
11/1/12		493		11/1/32		244
12/1/12		491		12/1/32		244
1/1/13		490		1/1/33		243
2/1/13		489		2/1/33		242
3/1/13		487		3/1/33		242
4/1/13		486		4/1/33		241
5/1/13		484		5/1/33		240
6/1/13		483		6/1/33		240
7/1/13		481		7/1/33		239
8/1/13		480		8/1/33		238
9/1/13		479		9/1/33		237
10/1/13		477		10/1/33		237
11/1/13		476		11/1/33		236
12/1/13		474		12/1/33		235
1/1/14		473		1/1/34		235
2/1/14		472		2/1/34		234
3/1/14		470		3/1/34		233
4/1/14		469		4/1/34		233
5/1/14		468		5/1/34		232
6/1/14		466		6/1/34		231
7/1/14		465		7/1/34		231

Expected Production

Lively # 21E

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/14		464		8/1/34		230
9/1/14		462		9/1/34		229
10/1/14		461		10/1/34		229
11/1/14		459		11/1/34		228
12/1/14		458		12/1/34		227
1/1/15		457		1/1/35		227
2/1/15		455		2/1/35		226
3/1/15		454		3/1/35		225
4/1/15		453		4/1/35		225
5/1/15		451		5/1/35		224
6/1/15		450		6/1/35		223
7/1/15		449		7/1/35		223
8/1/15		448		8/1/35		222
9/1/15		446		9/1/35		221
10/1/15		445		10/1/35		221
11/1/15		444		11/1/35		220
12/1/15		442		12/1/35		219
1/1/16		441		1/1/36		219
2/1/16		440		2/1/36		218
3/1/16		438		3/1/36		218
4/1/16		437		4/1/36		217
5/1/16		436		5/1/36		216
6/1/16		435		6/1/36		216
7/1/16		433		7/1/36		215
8/1/16		432		8/1/36		214
9/1/16		431		9/1/36		214
10/1/16		430		10/1/36		213
11/1/16		428		11/1/36		213
12/1/16		427		12/1/36		212
1/1/17		426		1/1/37		211
2/1/17		425		2/1/37		211
3/1/17		423		3/1/37		210
4/1/17		422		4/1/37		209
5/1/17		421		5/1/37		209
6/1/17		420		6/1/37		208
7/1/17		418		7/1/37		208
8/1/17		417		8/1/37		207
9/1/17		416		9/1/37		206
10/1/17		415		10/1/37		206
11/1/17		414		11/1/37		205
12/1/17		412		12/1/37		205
1/1/18		411		1/1/38		204
2/1/18		410		2/1/38		203
3/1/18		409		3/1/38		203
4/1/18		408		4/1/38		202
5/1/18		406		5/1/38		202
6/1/18		405		6/1/38		201
7/1/18		404		7/1/38		200