

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
NOV 25 1998

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: MANGUM SRC 1 API #: 300450784200
- Location of Well:
- Unit Letter: I 2310' FSL, 990' FEL Section: 29
- Township: 029N Range: 011W NMPM, SAN JUAN County.
- III. Date Workover Procedures Commenced: 7/98
- Date Workover Procedures were Completed: 8/98
- IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.
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:
FULCHER KUTZ 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.

[Signature]
(Name)

Regulatory/Compliance Administrator
(Title)

SUBSCRIBED AND SWORN TO before me this 23rd day of Nov., 19 98.

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:

8/7, 19 98

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: _____

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well GAS	API # (assigned by OCD) 30-045-07842 5. Lease Number FEE 6. State Oil&Gas Lease # 7. Lease Name/Unit Name Mangum SRC 8. Well No. #1 9. Pool Name or Wildcat Fulcher Kutz Pic Clif 10. Elevation:
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 2310' FSL, 990' FEL, Sec.29, T-29-N, R-11-W, NMPM, San Juan County, NM	

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 - Restimulate

13. Describe Proposed or Completed Operations

7-14-98 MIRU. ND WH. NU BOP. TOO H w/74 jts 1" tbq. TIH w/4 1/2" bit, tag up @ 1582'. Establish circ. CO @ 1582-1597', circ hole clean. Drill new hole @ 1597-1711'. Circ hole clean. SDON.

7-15-98 CO to btm @ 1711'. TOO H w/bit. TIH w/52 jts 3 1/2" 9.2# J-55 csg, set @ 1701'. ND BOP. NU WH. Cmt 3 1/2" csg w/80 sx Class "G" neat cmt w/2% Econolite, 0.25 pps Flocele, 6 pps Gilsonite (167 cu ft). Tailed w/25 sx Class "G" neat cmt w/1% Econolite, 0.25 pps Flocele, 6 pps Gilsonite (37 cu ft). Circ 6 bbl cmt to surf. WOC. RD. Rig Released.

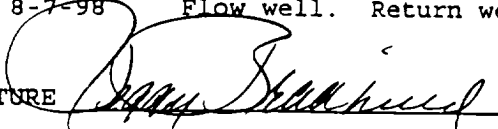
7-27-98 PT 3 1/2" csg to 5000 psi, OK. Perf PC formation w/ 1.8 SPF @ 1493, 1494, 1496, 1499, 1505, 1508, 1515, 1519, 1521, 1524, 1530, 1533, 1537, 1541, 1544, 1550, 1553, 1557 w/18 0.29" diameter holes total. Acidize perfs w/500 gal 15% HCL acid.

7-29-98 PT surf lines to 6000 psi, OK. Frac PC w/14,530 gal 20# guar gel, 134,000# 16/30 AZ snd, 271,000 SCF N2. Flow back well. CO after frac.

7-30/8-5-98 Flow well.

8-6-98 Flow well. TIH. CO to @1540-1645'. PBTD @ 1698'. Flow well.

8-7-98 Flow well. Return well to production.

SIGNATURE  Regulatory Administrator August 17, 1998

(vkh)

(This space for State Use)

Approved by _____ Title _____ Date _____

Expected Production Before Workover

MANGUM SRC : 1 : 46227-1

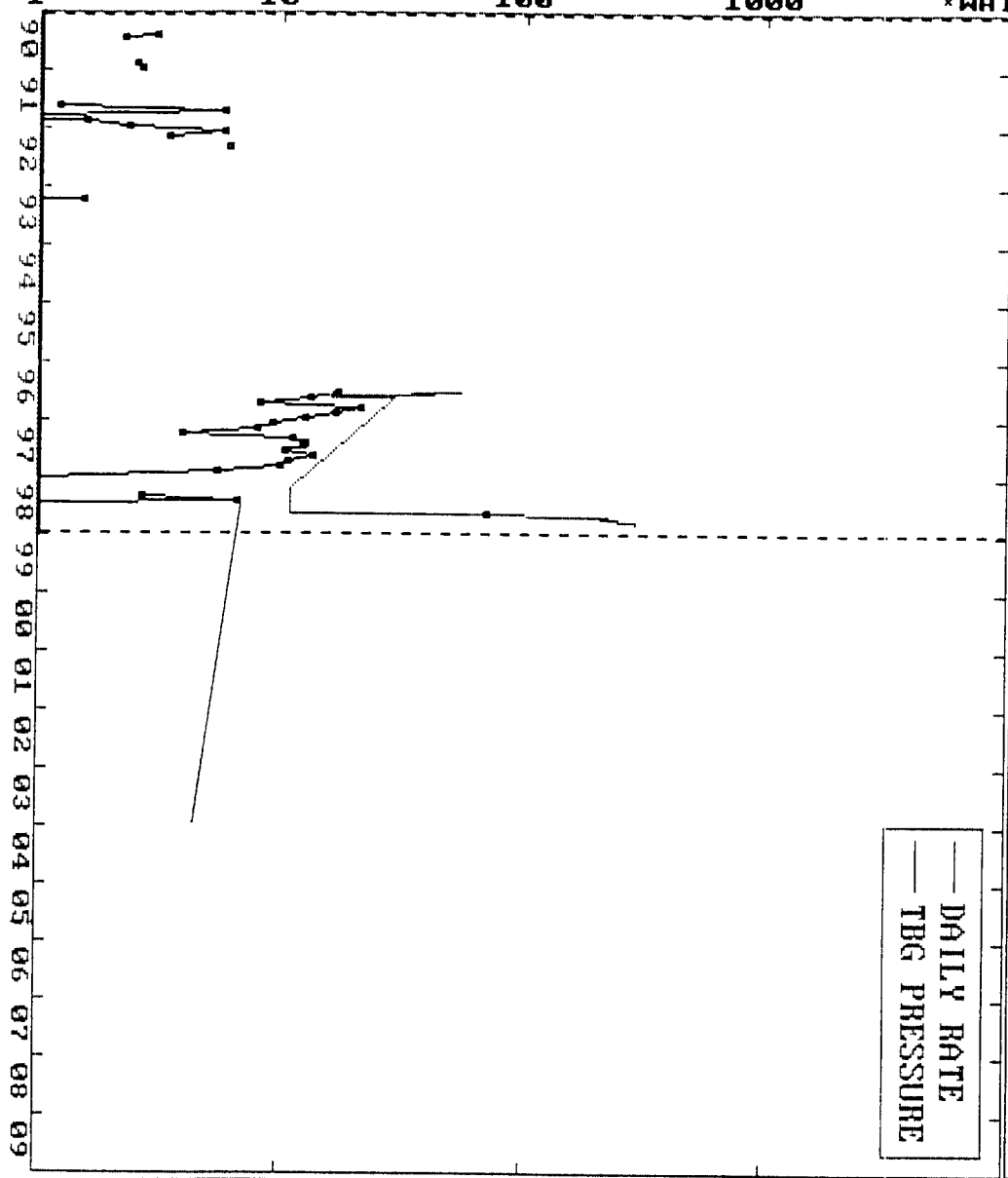
Prop 25 *

* OIL
* WATER/GAS
* GAS
* WATER

- ☐ * WATER Bbls/d
- ☒ * GAS Mcf/d
- ☐ * WATER/GAS
- ☐ * OIL Bbl/d

RateTime
Semi Log

0.1 1 10 100 1000
1 10 100 1000
1 10 100 1000



Browsing: MANGUM SRC | 1 | 46227
Table(P): PRODUCT/M,P,H,E,T,Z,C,
Item: 2/18/19 Name: DAT

--DATE--	----OIL----	----GAS----
	Bbl	Mcf
1/31/97		281
2/28/97		246
3/31/97		120
4/30/97		342
5/31/97		383
6/30/97		376
7/31/97		318
8/31/97		412
9/30/97		323
10/31/97		299
11/30/97		166
12/31/97		24

Expected Production

Mangum SRC # 1

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/98		274		8/1/18		67
9/1/98		272		9/1/18		67
10/1/98		271		10/1/18		66
11/1/98		269		11/1/18		66
12/1/98		267		12/1/18		66
1/1/99		266		1/1/19		65
2/1/99		264		2/1/19		65
3/1/99		263		3/1/19		65
4/1/99		261		4/1/19		64
5/1/99		260		5/1/19		64
6/1/99		258		6/1/19		63
7/1/99		257		7/1/19		63
8/1/99		255		8/1/19		63
9/1/99		254		9/1/19		62
10/1/99		252		10/1/19		62
11/1/99		251		11/1/19		62
12/1/99		249		12/1/19		61
1/1/00		248		1/1/20		61
2/1/00		246		2/1/20		61
3/1/00		245		3/1/20		60
4/1/00		244		4/1/20		60
5/1/00		242		5/1/20		59
6/1/00		241		6/1/20		59
7/1/00		239		7/1/20		59
8/1/00		238		8/1/20		58
9/1/00		237		9/1/20		58
10/1/00		235		10/1/20		58
11/1/00		234		11/1/20		57
12/1/00		232		12/1/20		57
1/1/01		231		1/1/21		57
2/1/01		230		2/1/21		56
3/1/01		228		3/1/21		56
4/1/01		227		4/1/21		56
5/1/01		226		5/1/21		55
6/1/01		224		6/1/21		55
7/1/01		223		7/1/21		55
8/1/01		222		8/1/21		54
9/1/01		220		9/1/21		54
10/1/01		219		10/1/21		54
11/1/01		218		11/1/21		54
12/1/01		217		12/1/21		53
1/1/02		215		1/1/22		53
2/1/02		214		2/1/22		53
3/1/02		213		3/1/22		52
4/1/02		212		4/1/22		52
5/1/02		210		5/1/22		52
6/1/02		209		6/1/22		51
7/1/02		208		7/1/22		51
8/1/02		207		8/1/22		51
9/1/02		206		9/1/22		50
10/1/02		204		10/1/22		50

Expected Production

Mangum SRC # 1

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
11/1/02		203		11/1/22		50
12/1/02		202		12/1/22		50
1/1/03		201		1/1/23		49
2/1/03		200		2/1/23		49
3/1/03		198		3/1/23		49
4/1/03		197		4/1/23		48
5/1/03		196		5/1/23		48
6/1/03		195		6/1/23		48
7/1/03		194		7/1/23		48
8/1/03		193		8/1/23		47
9/1/03		192		9/1/23		47
10/1/03		190		10/1/23		47
11/1/03		189		11/1/23		47
12/1/03		188		12/1/23		46
1/1/04		187		1/1/24		46
2/1/04		186		2/1/24		46
3/1/04		185		3/1/24		45
4/1/04		184		4/1/24		45
5/1/04		183		5/1/24		45
6/1/04		182		6/1/24		45
7/1/04		181		7/1/24		44
8/1/04		180		8/1/24		44
9/1/04		179		9/1/24		44
10/1/04		178		10/1/24		44
11/1/04		177		11/1/24		43
12/1/04		175		12/1/24		43
1/1/05		174		1/1/25		43
2/1/05		173		2/1/25		43
3/1/05		172		3/1/25		42
4/1/05		171		4/1/25		42
5/1/05		170		5/1/25		42
6/1/05		169		6/1/25		42
7/1/05		168		7/1/25		41
8/1/05		167		8/1/25		41
9/1/05		166		9/1/25		41
10/1/05		166		10/1/25		41
11/1/05		165		11/1/25		40
12/1/05		164		12/1/25		40
1/1/06		163		1/1/26		40
2/1/06		162		2/1/26		40
3/1/06		161		3/1/26		39
4/1/06		160		4/1/26		39
5/1/06		159		5/1/26		39
6/1/06		158		6/1/26		39
7/1/06		157		7/1/26		39
8/1/06		156		8/1/26		38
9/1/06		155		9/1/26		38
10/1/06		154		10/1/26		38
11/1/06		153		11/1/26		38
12/1/06		153		12/1/26		37
1/1/07		152		1/1/27		37

Expected Production

Mangum SRC # 1

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
2/1/07		151		2/1/27		37
3/1/07		150		3/1/27		37
4/1/07		149		4/1/27		37
5/1/07		148		5/1/27		36
6/1/07		147		6/1/27		36
7/1/07		146		7/1/27		36
8/1/07		146		8/1/27		36
9/1/07		145		9/1/27		36
10/1/07		144		10/1/27		35
11/1/07		143		11/1/27		35
12/1/07		142		12/1/27		35
1/1/08		141		1/1/28		35
2/1/08		141		2/1/28		35
3/1/08		140		3/1/28		34
4/1/08		139		4/1/28		34
5/1/08		138		5/1/28		34
6/1/08		137		6/1/28		34
7/1/08		136		7/1/28		34
8/1/08		136		8/1/28		33
9/1/08		135		9/1/28		33
10/1/08		134		10/1/28		33
11/1/08		133		11/1/28		33
12/1/08		133		12/1/28		33
1/1/09		132		1/1/29		32
2/1/09		131		2/1/29		32
3/1/09		130		3/1/29		32
4/1/09		129		4/1/29		32
5/1/09		129		5/1/29		32
6/1/09		128		6/1/29		31
7/1/09		127		7/1/29		31
8/1/09		126		8/1/29		31
9/1/09		126		9/1/29		31
10/1/09		125		10/1/29		31
11/1/09		124		11/1/29		31
12/1/09		124		12/1/29		30
1/1/10		123		1/1/30		30
2/1/10		122		2/1/30		30
3/1/10		121		3/1/30		30
4/1/10		121		4/1/30		30
5/1/10		120		5/1/30		29
6/1/10		119		6/1/30		29
7/1/10		119		7/1/30		29
8/1/10		118		8/1/30		29
9/1/10		117		9/1/30		29
10/1/10		117		10/1/30		29
11/1/10		116		11/1/30		28
12/1/10		115		12/1/30		28
1/1/11		114		1/1/31		28
2/1/11		114		2/1/31		28
3/1/11		113		3/1/31		28
4/1/11		113		4/1/31		28

Expected Production

Mangum SRC # 1

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
5/1/11		112		5/1/31		27
6/1/11		111		6/1/31		27
7/1/11		111		7/1/31		27
8/1/11		110		8/1/31		27
9/1/11		109		9/1/31		27
10/1/11		109		10/1/31		27
11/1/11		108		11/1/31		27
12/1/11		107		12/1/31		26
1/1/12		107		1/1/32		26
2/1/12		106		2/1/32		26
3/1/12		105		3/1/32		26
4/1/12		105		4/1/32		26
5/1/12		104		5/1/32		26
6/1/12		104		6/1/32		25
7/1/12		103		7/1/32		25
8/1/12		102		8/1/32		25
9/1/12		102		9/1/32		25
10/1/12		101		10/1/32		25
11/1/12		101		11/1/32		25
12/1/12		100		12/1/32		25
1/1/13		99		1/1/33		24
2/1/13		99		2/1/33		24
3/1/13		98		3/1/33		24
4/1/13		98		4/1/33		24
5/1/13		97		5/1/33		24
6/1/13		97		6/1/33		24
7/1/13		96		7/1/33		24
8/1/13		96		8/1/33		23
9/1/13		95		9/1/33		23
10/1/13		94		10/1/33		23
11/1/13		94		11/1/33		23
12/1/13		93		12/1/33		23
1/1/14		93		1/1/34		23
2/1/14		92		2/1/34		23
3/1/14		92		3/1/34		23
4/1/14		91		4/1/34		22
5/1/14		91		5/1/34		22
6/1/14		90		6/1/34		22
7/1/14		90		7/1/34		22
8/1/14		89		8/1/34		22
9/1/14		89		9/1/34		22
10/1/14		88		10/1/34		22
11/1/14		87		11/1/34		21
12/1/14		87		12/1/34		21
1/1/15		86		1/1/35		21
2/1/15		86		2/1/35		21
3/1/15		85		3/1/35		21
4/1/15		85		4/1/35		21
5/1/15		84		5/1/35		21
6/1/15		84		6/1/35		21
7/1/15		83		7/1/35		21

Expected Production

Mangum SRC # 1

<u>Month</u>	<u>BBL</u>	<u>MCF</u>		<u>Month</u>	<u>BBL</u>	<u>MCF</u>
8/1/15		83		8/1/35		20
9/1/15		83		9/1/35		20
10/1/15		82		10/1/35		20
11/1/15		82		11/1/35		20
12/1/15		81		12/1/35		20
1/1/16		81		1/1/36		20
2/1/16		80		2/1/36		20
3/1/16		80		3/1/36		20
4/1/16		79		4/1/36		19
5/1/16		79		5/1/36		19
6/1/16		78		6/1/36		19
7/1/16		78		7/1/36		19
8/1/16		77		8/1/36		19
9/1/16		77		9/1/36		19
10/1/16		76		10/1/36		19
11/1/16		76		11/1/36		19
12/1/16		76		12/1/36		19
1/1/17		75		1/1/37		18
2/1/17		75		2/1/37		18
3/1/17		74		3/1/37		18
4/1/17		74		4/1/37		18
5/1/17		73		5/1/37		18
6/1/17		73		6/1/37		18
7/1/17		73		7/1/37		18
8/1/17		72		8/1/37		18
9/1/17		72		9/1/37		18
10/1/17		71		10/1/37		18
11/1/17		71		11/1/37		17
12/1/17		70		12/1/37		17
1/1/18		70		1/1/38		17
2/1/18		70		2/1/38		17
3/1/18		69		3/1/38		17
4/1/18		69		4/1/38		17
5/1/18		68		5/1/38		17
6/1/18		68		6/1/38		17
7/1/18		68		7/1/38		17