

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

070 FARMINGTON, NM

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9708

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

1005' FSL, 1110' FEL, Sec. 5, T-29-N, R-8-W, NMPM

5. Lease Number
SF-078487-C

6. If Indian, All. or
Tribe Name

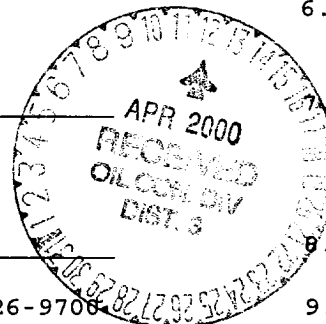
Unit Agreement Name

8. Well Name & Number
Sunray #8M

9. API Well No.
30-045-29893

10. Field and Pool
Blanco MV/Basin DK

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	☐ 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 -	

13. Describe Proposed or Completed Operations

1-15-00 RU W/L. TIH w/gauge ring to 7718'. Ran CBL-GR-CCL @ 7715-6000' & GR-CCL @ 6000'-surface. TOC @ 7490'. RD W/L.

2-2-00 (Verbal approval from Jim Lovato, BLM, to squeeze) TIH w/CIBP, set @ 7712'. TIH w/pkr, set @ 7710'. PT CIBP to 4100 psi, OK. Located failure @ 7490-7526'. Rls pkr & TOOH. Perf 2 sqz holes @ 7436'. TIH w/cmt ret, set @ 7398'. Pump 50 sx Class "B" 50/50 poz w/.4% versaset, .3% Halad-344. Reve 3 bbl cmt. WOC. SDON.

2-3-00 TIH w/bit. Drill cmt & ret @ 7367-7400'. SDON.

2-4-00 Drill cmt & ret to 7445'. CO to 7712'. TOOH w/bit. Ran CBL-GR-CCL @ 7712-6980'. No definite TOC. SDON.

2-5-00 Perf sqz holes @ 7420'. TIH w/cmt ret, set @ 7369'. Try to est rate, locked up. SD for weekend.

2-7-00 TIH w/bit, tag cmt ret @ 7369'. D/O cmt ret. CO to 7712'. TOOH w/bit.

2-21-00 (Verbal approval from Jim Lovato, BLM, to squeeze) TIH w/CIBP, set @ 7206'. PT CIBP to 3000 psi. Located failure @ 5145-5457'. Perf 3 sqz holes @ 5675'.

Continued on back

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

Signed

[Signature]

Title Regulatory Administrator

ACCEPTED FOR RECORD

TLW

(This space for Federal or State Office use)

APPROVED BY

Title

Date

APR 07 2000

CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

NMOC

FARMINGTON FIELD OFFICE

2-22-00 TIH w/cmt ret, set @ 5525'. Pump 150 sx Class "B" 50/50 poz w/.4% versaset, .3% Halad-344. Reve circ. WOC. SDON.

2-23-00 Ran CBL-GR-CCL @ 4965-4400'. No cmt. TIH w/bit. Drill cmt @ 4965-4995'. Drill cmt ret @ 4995-4998'. SDON.

2-24-00 (Verbal approval from Jim Lovato, BLM, to squeeze) CO to 5482'. TOO H w/bit. Ran CBL-GR-CCL @ 5482-4800'. TOC @ 5052'. Perf 2 sqz holes @ 4644' & 3966'. TIH w/cmt ret, set @ 4588'. Pump 150 sx Class "B" 50/50 poz w/.4% versaset, .3% Halad-344. WOC. SDON.

2-25-00 TIH w/cmt ret, set @ 3903'. Pump 150 sx Class "B" 50/50 poz w/.4% versaset, .3% Halad-344. Reve circ 1 bbl cmt. WOC. SDON.

2-26-00 TIH w/bit. Drill cmt @ 3870-3903'. Drill cmt ret @ 3903'. SDON.

2-28-00 Drill cmt & ret to 3996'. Drill cmt @ 4521-4588'. Drill cmt ret @ 4588-4590'. SDON.

2-29-00 TOO H w/bit. TIH w/bit. Drill cmt ret @ 4590-4591'. Drill cmt to 4989'. SDON.

3-1-00 Drill cmt to 5525'. Drill cmt ret @ 5525-5528'. Drill cmt to 5722'. SDON.

3-2-00 TOO H w/bit. Ran CBL-GR-CCL @ 5900-3600'. TOC @ 3875'. Continue CO & completion.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

FOR APPROVED
OMB NO. 1004-0137

Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

SF-078487-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Sunray #8M

9. API WELL NO.

30-045-29893

10. FIELD AND POOL, OR WILDCAT

Blanco MV/Basin DK

11. SEC., T., R., M., OR BLOCK AND SURVEY

OR AREA

Sec. 5, T-29-N, R-8-W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other ☐

2. NAME OF OPERATOR

BURLINGTON RESOURCES OIL & GAS COMPANY

3. ADDRESS AND TELEPHONE NO.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1005FSL, 1110FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

15. DATE SPUDDED

12-12-99

16. DATE T.D. REACHED

12-19-99

17. DATE COMPL. (Ready to prod.)

3-16-00

18. ELEVATIONS (OF, RKB, RT, BR, ETC.)*

6450'GL / 6463'KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7718'

21. PLUG, BACK T.D., MD & TVD

7710'

22. IF MULTIPLE COMPL., HOW MANY*

2

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-7718'

24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*

3966-5675' Mesaverde

26. TYPE ELECTRIC AND OTHER LOGS RUN

Array Ind., Litho-Density Comp Neutron, Temp., CBL, GR, CCL

27. WAS WELL CORED

No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.3#	233'	12 1/4"	248 cu ft	
7"	20#	3359'	8 3/4"	1131 cu ft	
5 1/2"	15.5#	7717'	6 1/4"	355 cu ft	

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				1 1/2"	5669'	5825'

31. PERFORATION RECORD (Interval, size and number)

3966, 4062, 4069, 4074, 4104, 4108, 4114, 4129, 4132, 4134, 4136, 4138, 4141, 4142, 4146, 4148, 4150, 4155, 4164, 4173, 4182, 4184, 4186, 4188, 4190, 4254, 4260, 4278, 4280, 4289, 4313, 4354, 4399, 4425, 4473, 4504, 4510, 4520, 4527, 4536, 4644, 4754, 4760, 4762, 4765, 4786, 4788, 4797, 4866, 4870, 4876, 4880, 4892, 5004, 5029, 5045, 5050, 5089, 5104, 5148-5472, 5521-5675

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3966-4536'	200,000# 20/40 AZ snd, 819 bbl 20# lnr gel, 1,061,476 SCF N2
4644-5104'	1561 bbl slk wtr, 70,000# 20/40 AZ snd
5148-5675'	2554 bbl slk wtr, 130,000# 20/40 AZ snd

33. PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

Flowing SI

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD OIL-BBL GAS-MCF WATER-BBL GAS-OIL RATIO

3-16-00 1236 Pitot gauge

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL-BBL GAS-MCF WATER-BBL OIL GRAVITY-API (CORR.)

SI 448 SI 430

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

To be sold

ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

APR 07 2000

SIGNED Peggy Cole TITLE Regulatory Administrator DATE 3-21-00

*(See Instructions and Spaces for Additional Data on Reverse Side)

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 representations as to any matter within its jurisdiction.

NMOC

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2123'	2212'	White, cr-gr ss.	Ojo Alamo	2123'	
Kirtland	2212'	2660'	Gry sh interbedded w/light, gry, fine-gr ss.	Kirtland	2212'	
Fruitland	2660'	3112'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2660'	
Pictured Cliffs	3112'	3196'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3112'	
Lewis	3196'	3840'	Shale w/siltstone stringers	Lewis	3196'	
Huerfianto Bentonite*	3840'	4103'	White, waxy chalky bentonite	Huerfianto Bent	3840'	
Chacra	4103'	4642'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	4103'	
Cliff House	4642'	4895'	ss. Gry, fine-grn, dense sil ss.	Cliffhouse	4642'	
Menefee	4895'	5334'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4895'	
Point Lookout	5334'	5692'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5334'	
Mancos	5692'	6582'	Dark gry carb sh.	Mancos	5692'	
Gallup	6582'	7334'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	6582'	
Greenhorn	7334'	7391'	Highly calc gry sh w/chin lmst.	Greenhorn	7334'	
Graneros	7391'	7552'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7391'	
Dakota	7552'	7718'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Dakota	7552'	

* Huerfianto Bentonite is the legal top of Mesaverde in New Mexico (North of Chacra line)

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OR AREA

Sec. 5, T-29-N, R-8-W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other ☐

2. NAME OF OPERATOR

BURLINGTON RESOURCES OIL & GAS COMPANY

3. ADDRESS AND TELEPHONE NO.

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4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1005'FSL, 1110'FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

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San Juan

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7710'

22. IF MULTIPLE COMPL.,
HOW MANY*

2

23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-7718'

CABLE TOOLS

24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*

7439-7683' Dakota

26. TYPE ELECTRIC AND OTHER LOGS RUN

Array Ind., Litho-Density Comp Neutron, Temp., CBL, GR, CCL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
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29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	7662'	5825'

31. PERFORATION RECORD (Interval, size and number)

7439-7463', 7530-7540', 7553-7559', 7571-7577', 7593-7602', 7616-7619', 7634-7640', 7651-7654', 7666-7683'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

7439-7683'

AMOUNT AND KIND OF MATERIAL USED

25,000 gal slk wtr, 3,000# 20/40 AZ sd, 40,000# 20/40 TLC sd

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flowing				SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL	GAS—MCF	WATER—BBL	GAS-OIL RATIO
3-16-00			→		TSTM		
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL	GAS—MCF	WATER—BBL	OIL GRAVITY-API (CORR.)	
SI 469		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

APR 07 2000

SIGNED

TITLE Regulatory Administrator

DATE 3-21-00

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