

RCVD FEB 8 '12
OIL CONS. DIV.Form 3160-4
(October 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)FOR APPROVAL
OMB NO. 1004-0137

Expires: December 31, 1991

5 LEASE DESIGNATION AND SERIAL NO

SF-078312

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME, WELL NO

HUBBARD 1B

9 API WELL NO

35201

30-045-35201-0002

10 FIELD AND POOL, OR WILDCAT

BASIN MANCOS

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

Sec. 22, T32N, R12W

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 I (NESE) 1795' FSL & 820' FEL

At top prod. interval reported below J (NWSE) 2336' FSL & 1767' FEL

At total depth J (NWSE) 2336' FSL & 1767' FEL

2360'

14. PERMIT NO.

DATE ISSUED

12 COUNTY OR
PARISH

San Juan

13 STATE

New Mexico

15. DATE SPURRED

11/7/11

16 DATE T D REACHED

12/15/11

17. DATE COMPL (Ready to prod)

1/18/12 - GRS

18 ELEVATIONS (DF, RKB, RT, BR, ETC)*

GL-6,222' / KB-6,237'

19 ELEV CASINGHEAD

20 TOTAL DEPTH, MD & TVD

MD-7,640'/TVD-7,428'

21 PLUG, BACK T D, MD & TVD

PBSD-7,637'/TVD-7,425'

22 IF MULTIPLE COMPL.,
HOW MANY*

3

23 INTERVALS
DRILLED BY

ROTARY TOOLS

yes

CABLE TOOLS

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

BASIN MANCOS 6,676' - 6,866'

25. WAS DIRECTIONAL
SURVEY MADE

YES

26 TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL/CBL

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
9 5/8", H-40	32.3#	230'	12 1/4"	Surface, 76 sx (122cf)	3 bbls
7", J-55	23#	4952'	8 3/4"	Stage Tool @ 2,333 Surface, 911 sx (1771cf) Includes OH Sqz before ST	56 bbls
4 1/2", L-80	11.6#	7,640'	6 1/4"	TOC @ 3000', 224 sx (454cf)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8", 4.7#		
					L-80	7,490'	

30 TUBING RECORD



31 PERFORATION RECORD (Interval, size and number)

Lower Mancos w/ .34" diam
3 SPF @ 6,812' - 6,866' = 54 holes
Upper Mancos w/ .34" diam
2 SPF @ 6,676' - 6,776' = 52 holes

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

6,812' - 6,866'
Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 64,344 gal
Slickwater w/ 3,534# 100 Mesh Sand & 9,507# 40/70
Mesh Sand.6,676' - 6,776'
Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 241,542 gal
Slickwater w/ 180,707# 40/70 Mesh Sand.

33 PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1/18/12 - GRS		FLOWING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL	GAS-MCF	WATER-BBL	GAS-OIL RATIO
1/25/12	1	1/2"		0	9mcf/h	Trace	
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL	GAS-MCF	WATER-BBL	OIL GRAVITY-API (CORR)	
SI-671psi	SI-578psi		0	222mcf/d	7bwp/d		

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

To be sold

TEST WITNESSED BY

35 LIST OF ATTACHMENTS

This is a Blanco Mesaverde, Basin Mancos, Basin Dakota being commingled by DHC Order # 4489.

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

SIGNED

TITLE

Regulatory Technician

DATE

2/2/12

*(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 or to submit any false or fraudulent matter within its jurisdiction

ACCEPTED FOR RECORD

FEB 06 2012

FARMINGTON FIELD OFFICE
BY

API# 30-045-35201		HUBBARD 1B			
Ojo Alamo	1623'	1756'	White, cr-gr ss.	Ojo Alamo	1623'
Kirtland	1756'	2364'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1756'
Fruitland	2364'	2824'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2364'
Pictured Cliffs	2824'	3044'	Bn-Gry, fine grn, tight ss.	Pic. Cliffs	2824'
Lewis	3044'	3558'	Shale w/siltstone stringers	Lewis	3044'
Huerfanito Bentonite	3558'	3638'	White, waxy chalky bentonite	Huerfanito Bent.	3558'
Chacra	3638'	4420'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	3638'
Mesa Verde	4420'	4754'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4420'
Menefee	4754'	5195'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4754'
Point Lookout	5195'	5626'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5195'
Mancos	5626'	6668'	Dark gry carb sh.	Mancos	5626'
Gallup	6668'	7328'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	6668'
Greenhorn	7328'	7378'	Highly calc gry sh w/thin lmst.	Greenhorn	7328'
Graneros	7378'	7442'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7378'
Dakota	7442'	7640'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	7442'
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	

Form 3160-4
(October 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

FOR APPROVAL
OMB NO 1004-0137

Expires December 31, 1991

5 LEASE DESIGNATION AND SERIAL NO.

SF-078312

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME

CA-MMM 73112

8 FARM OR LEASE NAME, WELL NO.

HUBBARD 1B

9 API WELL NO

35201

30-045-3521-00C3

10. FIELD AND POOL, OR WILDCAT

BLANCO MESA VERDE

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

Sec. 22, T32N, R12W

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 I (NESE) 1795' FSL & 820' FEL

At top prod. interval reported below J (NWSE) 2336' FSL & 1767' FEL Farmington Field Office Bureau of Land Management

At total depth J (NWSE) 2336' FSL & 1767' FEL

14. PERMIT NO. DATE ISSUED

12 COUNTY OR PARISH

San Juan

13 STATE

New Mexico

15 DATE SPUNDED

11/7/11

16 DATE T D REACHED

12/15/11

17 DATE COMPL. (Ready to prod.)

1/17/12 - GRS

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

GL-6,222' / KB-6,237'

19. ELEV CASINGHEAD

20 TOTAL DEPTH, MD & TVD

MD-7,640'/TVD-7,428'

21. PLUG, BACK T D, MD & TVD

PBTD-7,637'/TVD-7,425'

22 IF MULTIPLE COMPL. HOW MANY*

3

23. INTERVALS DRILLED BY

ROTARY TOOLS

yes

CABLE TOOLS

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

BLANCO MESA VERDE 4,964' - 5,605'

25 WAS DIRECTIONAL SURVEY MADE

YES

26 TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL/CBL

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
9 5/8", H-40	32.3#	230'	12 1/4"	Surface, 76 sx (122cf)	3 bbls
7", J-55	23#	4952'	8 3/4"	Stage Tool @ 2,333 Surface, 911 sx (1771cf) Includes OH Sqz before ST	56 bbls
4 1/2", L-80	11.6#	7,640'	6 1/4"	TOC @ 3000', 224 sx (454cf)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8", 4.7#		
					L-80	7,490'	

31 PERFORATION RECORD (Interval, size and number)

Point Lookout w/ .34" diam
1 SPF @ 5,198' 5,605' = 27 holes
Menefee/Cliffhouse w/ .34" diam
1 SPF @ 4,964' - 5,170' = 25 holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

5,198' - 5,605'
Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 41,370 gal
70Q N2 Slickfoam w/ 103,814# 20/40 Brady Sand.
N2: 1,576,400 scf.
4,964' - 5,170'
Frac w/ 31,206 gal 70Q N2 Slickfoam w/ 93,088#
20/40 Brady Sand. N2: 1,457,100 scf.

33 PRODUCTION

DATE FIRST PRODUCTION 1/17/12 - GRS PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLOWING WELL STATUS (Producing or shut-in) SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL	GAS-MCF	WATER-BBL	GAS-OIL RATIO
1/25/12	1	1/2"		0	23mcf/h	3/4bwp/h	

FLOW. TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL	GAS-MCF	WATER-BBL	OIL GRAVITY-API (CORR)
SI-671psi	SI-578psi		0	542mcf/d	18bwp/d	

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

To be sold

TEST WITNESSED BY

35 LIST OF ATTACHMENTS

This is a Blanco Mesaverde, Basin Mancos, Basin Dakota being commingled by DHC Order # 4489.

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

SIGNED Denise Journey TITLE

Regulatory Technicain

DATE

ACCEPTED FOR RECORD
2/2/12

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

FEB 06 2012

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 or to furnish to any matter within its jurisdiction.

FARMINGTON FIELD OFFICE
BY SW

A

PC

API# 30-045-35201			HUBBARD 1B		
Ojo Alamo	1623'	1756'	White, cr-gr ss.	Ojo Alamo	1623'
Kirtland	1756'	2364'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1756'
Fruitland	2364'	2824'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2364'
Pictured Cliffs	2824'	3044'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	2824'
Lewis	3044'	3558'	Shale w/siltstone stringers	Lewis	3044'
Huerfanito Bentonite	3558'	3638'	White, waxy chalky bentonite	Huerfanito Bent.	3558'
Chacra	3638'	4420'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	3638'
Mesa Verde	4420'	4754'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4420'
Menefee	4754'	5195'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4754'
Point Lookout	5195'	5626'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5195'
Mancos	5626'	6668'	Dark gry carb sh.	Mancos	5626'
Gallup	6668'	7328'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	6668'
Greenhorn	7328'	7378'	Highly calc gry sh w/thin lmst.	Greenhorn	7328'
Graneros	7378'	7442'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7378'
Dakota	7442'	7640'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	7442'
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	

PC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

FOR APPROVED
OMB NO 1004-0137
Expires December 31, 1991

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 ☐

5 LEASE DESIGNATION AND SERIAL NO
SF-078312

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME
CA - NMMN 112027

8 FARM OR LEASE NAME, WELL NO
HUBBARD 1B

2 NAME OF OPERATOR
Burlington Resources Oil & Gas Company

9 API WELL NO.
30-045-35201-0001

3 ADDRESS AND TELEPHONE NO.
PO BOX 4289, Farmington, NM 87499 (505) 326-9700

10 FIELD AND POOL, OR WILDCAT
BASIN DAKOTA

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface **I (NESE) 1795' FSL & 820' FEL**
At top prod. interval reported below **J (NWSE) 2336' FSL & 1767' FEL**
At total depth **J (NWSE) 2366' FSL & 1767' FEL**

11 SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 22, T32N, R12W

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH
San Juan

13 STATE
New Mexico

15 DATE SPUDDED 11/7/11	16. DATE T D. REACHED 12/15/11	17. DATE COMPL (Ready to prod) 1/19/12 - GRS	18. ELEVATIONS (DF, RKB, RT, BR, ETC)* GL-6,222' / KB-6,237'	19 ELEV CASINGHEAD
20 TOTAL DEPTH, MD & TVD MD-7,640' / TVD-7,428'	21 PLUG, BACK T D., MD & TVD BPTD-7,637' / TVD-7,425'	22 IF MULTIPLE COMPL., HOW MANY* 3	23 INTERVALS DRILLED BY yes	25 WAS DIRECTIONAL SURVEY MADE YES
24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* BASIN DAKOTA 7,444' - 7,558'				27. WAS WELL CORED No
26 TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL/CBL				

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
9 5/8", H-40	32.3#	230'	12 1/4"	Surface, 76 sx (122cf)	3 bbls
7", J-55	23#	4952'	8 3/4"	Stage Tool @ 2,333 Surface, 911 sx (1771cf)	56 bbls
4 1/2", L-80	11.6#	7,640'	6 1/4"	Includes OH Sqz before ST TOC @ 3000', 224 sx (454cf)	

29 LINER RECORD					30 TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8", 4.7#	7,490'	
					L-80		

31 PERFORATION RECORD (Interval, size and number)
Dakota w/ .34" diam.
2 SPF @ 7,444' - 7,558' = 60 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
7,444' - 7,558'
Acidize w/ 10 bbls 15% HCL Acid. Frac w/ 10,200 gal slickwater w/ 43,198# 20/40 Mesh Sand.

33 DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1/19/12 - GRS		FLOWING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL	GAS-MCF	WATER-BBL	GAS-OIL RATIO
1/25/12	1	1/2"	→	0	38mcf/h	1/2 bwp/h	
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL	GAS-MCF	WATER-BBL	OIL GRAVITY-API (CORR)	
SI-671psi	SI-578psi	→	0	917mcf/d	13bwp/d		

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc)
To be sold

TEST WITNESSED BY

35 LIST OF ATTACHMENTS
This is a Blanco Mesaverde, Basin Mancos, Basin Dakota being commingled by DHC Order # 4489.

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

SIGNED *Denise Journey* TITLE Regulatory Technicain DATE 2/2/12

*(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 of agency of the United States any false, fictitious or fraudulent statements or representations or to attempt to do so in any matter within its jurisdiction.

ACCEPTED FOR RECORD
FEB 06 2012
FARMINGTON FIELD OFFICE
BY *SW*

API# 30-045-35201		HUBBARD 1B			
Ojo Alamo	1623'	1756'	White, cr-gr ss.	Ojo Alamo	1623'
Kirtland	1756'	2364'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1756'
Fruitland	2364'	2824'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2364'
Pictured Cliffs	2824'	3044'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	2824'
Lewis	3044'	3558'	Shale w/siltstone stringers	Lewis	3044'
Huerfanito Bentonite	3558'	3638'	White, waxy chalky bentonite	Huerfanito Bent.	3558'
Chacra	3638'	4420'	Gry fn grn silty, glauconitic sd stone w/drck gry shale	Chacra	3638'
Mesa Verde	4420'	4754'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4420'
Menefee	4754'	5195'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4754'
Point Lookout	5195'	5626'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5195'
Mancos	5626'	6668'	Dark gry carb sh.	Mancos	5626'
Gallup	6668'	7328'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	6668'
Greenhorn	7328'	7378'	Highly calc gry sh w/thin lmst.	Greenhorn	7328'
Graneros	7378'	7442'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7378'
Dakota	7442'	7640'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	7442'
Morrison			Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	

PC