INTEROFFICE MEMO

RCVD DEC 8 '11
OIL CONS. DIV.
DIST. 3

TO: Records & Regulatory **DATE:** 12/1/2011

FROM: Sharon Nez **LOCATION:** Farmington, NM

RECEIVED
DEC 02 2011
Bureau of Land Management
Farmington Field Office

Final Geologic Summary

Well Name & No.: Hancock 4A API: 3004526384

Location: NW Section 23 Twp. 28N Rge. 09W

County & State. San Juan, New Mexico

Elevation: GL: 6174' KB: 6163'

Tops From: X Wireline Log _____ Mudlog ____ Correlation

Ojo Alamo	1409'	Chacra		Greenhorn	
Kirtland	1560'	Upper Cliff House		Graneros	
Fruitland	2172'	Massive Cliff House		Dakota (Two Wells)	
Pictured Cliffs	2465'	Menefee		Paguate	
Lewis	2628'	Point Lookout		Upper Cubero	
Huerfanito Bentonite	nde	Mancos		Lower Cubero	
		Upper Gallup		Oak Canyon	
				Encinal	
				Burro Canyon	
				Morrison	

DTD 5159'
LTD 2800'

Electric Logs Run: Gas Spectrum Log CNL Tool Oct 21, 2011

Well Cored? X No ___ Yes

Well DST'd? X No ___ Yes

Geologist: Sharon Nez

* Revised geo tops from attached completion report accepted 11/21/2011

TL Salyers

ACCEPTED FOR RECORD
DEC 06 2011
FARMINGTON FIELD OFFICE
BY T. Salyers

NMOCD

RCVD DEC 8 '11

OIL CONS. DIV.

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 APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5 LEASE DESIGNATION AND SERIAL NO.
NM-04209

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

DIST. 3

RECEIVED
NOV 14 2011
Farmington Field Office
Bureau of Land Management

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] Other

b TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF RESVR [X] Other RECOMPLETE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Hancock 4A

2. NAME OF OPERATOR
Burlington Resources Oil & Gas Company

9. API WELL NO.
30-045-26384

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

10 FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

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

At surface: Unit C (NENW), 810' FNL & 1560' FWL

At top prod. interval reported below: same as above

At total depth: same as above

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 23, T28N, R9W

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
		San Juan	New Mexico

15 DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, BR, ETC.)*	19. ELEV. CASINGHEAD
7/12/85	7/18/85	11/11/11	6164'	

20 TOTAL DEPTH, MD &TVD	21. PLUG, BACK T.D., MD &TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5159'	5149'	3		yes	

24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*
Basin Fruitland Coal 2256' - 2452'

25. WAS DIRECTIONAL SURVEY MADE
NO

26 TYPE ELECTRIC AND OTHER LOGS RUN
CNL

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#	299'	12 1/4"	Surface, 130sx (153cf)	
7", K-55	20#	2819'	8 3/4"	TOC @ 1000', 260sx (427cf)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 1/2"	2668'	5159'	325sx	
10.5#, K-55			436cf	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8", 4.7#, J-55	5058'	

31 PERFORATION RECORD (*interval, size and number*)

Upper Basin Fruitland Coal w/ .40" diam.
3SPF @ 2379' - 2397' = 36 holes
2SPF @ 2292' - 2358' = 38 holes
3SPF @ 2256' - 2258' = 6 holes

Lower Basin Fruitland Coal w/ .40" diam.
2SPF @ 2440' - 2452' = 24 holes

Fruitland Coal Total Holes = 104

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

2256' - 2397'	Acidized w/ 500gals 10% Formic Acid. Pump 4000gals 25# X-Link Pre-Pad, w/ 29,988gals 25# Linear 75% N2 foam w/ 112,457# 20/40 Arizona Sand. N2:1,337,300SCF.
2440' - 2452'	Acidized w/ 500gals 10% Formic Acid. Pump 2,304gals 25# X-Link Pre-Pad, w/ 16,338gals 25# Linear 75% N2 foam w/ 25,343# 20/40 Arizona Sand. N2:542,500SCF.

33 PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping–size and type of pump*)	WELL STATUS (*Producing or shut-in*)
N/A	FLOWING	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL	GAS--MCF	WATER--BBL	GAS-OIL RATIO
11/9/11	1 hr.	1/2"	→	0	8 mcf/h	1 bwp/h	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)
SI - 205psi	SI -205psi	→	0	194 mcf/d	24 bwpd	

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
This is now a FC/CH/MV well being commingled per DHC-4336 approved 12/13/10.

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

SIGNED Dollie L. Busse TITLE Staff Regulatory Technicain DATE 11-18-11

ACCEPTED FOR RECORD
NOV 21 2011
FARMINGTON FIELD OFFICE
BY

*(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 as to any matter within its jurisdiction

OPERATOR

API # 30-045-26384			*Hancock 4A (Recomplete)*			
Ojo Alamo	1420'	2234'	White, cr-gr ss.		Ojo Alamo	1420'
Fruitland	2234'	2440'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.		Fruitland	2234'
Pictured Cliffs	2440'	2620'	Bn-Gry, fine grn, tight ss.		Pic.Cliffs	2440'
Lewis	2620'	4145'	Shale w/siltstone stringers		Lewis	2620'
Cliffhouse	4145'	4172'	Light gry, med-fine gr ss, carb sh & coal		Mesa Verde	4145'
Menefee	4172'	4730'	Med-dark gry, fine gr ss, carb sh & coal		Menefee	4172'
Point Lookout	4730'	5149'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation		Point Lookout	5149'

RC