

19

DEVIATION REPORT

Name of Company
BURLINGTON RESOURCES
Lease Name and Number
HUERFANO UNIT #299

RECEIVED
JUL 3 1 1998
Unit Letter
1,850FNL 790FEL

Address
P. O. Box 4289, Farmington, NM 87499
Sec. Tw. Rge.
15 026N 009W

Pool and Formation
Angels Peak Gallup

OIL CON. DIV.
DIST. 3

County
SAN JUAN

TMD (Ft.)	Degrees	Azimuth	TVD (Ft.)	Root Coordinants		Dogleg	Vert. Section (Ft.)
				N/-S	E/-W		
368	.75	.00	.00	.00	.00	.00	0.00
859	.75	.00	490.96	6.43	.00	.00	1.92
1,386	1.00	.00	1,017.90	14.47	.00	.05	4.33
1,848	1.25	.00	1,479.81	23.55	.00	.05	7.04
2,315	.25	.00	1,946.76	29.66	.00	.21	8.86
2,842	.75	.00	2,473.74	34.26	.00	.09	10.24
3,337	.75	.00	2,968.70	40.74	.00	.00	12.18
3,555	1.00	.00	3,186.67	44.07	.00	.11	13.17
4,049	.75	.00	3,680.61	51.61	.00	.05	15.42
4,534	.75	.00	4,165.57	57.96	.00	.00	17.32
5,001	1.00	.00	4,632.52	65.09	.00	.05	19.45
5,162	.26	205.96	5,161.50	-29.80	-28.10	.00	17.91
5,196	.25	136.59	5,195.50	-29.92	-28.08	.85	17.86
5,227	.50	274.33	5,226.50	-29.96	-28.17	2.28	17.93
5,257	2.81	287.46	5,256.48	-29.73	-29.00	7.75	18.79
5,289	5.81	288.96	5,288.39	-28.97	-31.28	9.38	21.20
5,320	9.00	287.08	5,319.13	-27.75	-35.09	10.32	25.19
5,351	12.25	288.33	5,349.59	-26.00	-40.53	10.51	30.90
5,382	15.56	290.08	5,379.68	-23.54	-47.56	10.76	38.35
5,416	19.19	291.33	5,412.12	-19.94	-57.05	10.73	48.48
5,472	21.88	290.08	5,464.56	-13.01	-75.43	4.87	68.09
5,503	23.06	291.58	5,493.21	-8.79	-86.50	4.23	79.92
5,535	27.69	291.83	5,522.11	-3.72	-99.23	14.47	93.59
5,567	32.28	293.96	5,549.82	2.52	-113.95	14.72	109.50
5,599	36.69	291.71	5,576.19	9.53	-130.65	14.34	127.53
5,631	41.75	292.33	5,600.98	17.12	-149.40	15.86	147.69
5,663	45.81	290.33	5,624.08	25.16	-170.02	13.40	169.77
5,695	49.00	288.71	5,645.73	33.02	-192.22	10.64	193.31
5,727	52.75	287.46	5,665.92	40.72	-215.82	12.10	218.12
5,759	56.13	287.46	5,684.53	48.53	-240.65	10.56	244.15
5,790	59.31	288.21	5,701.08	56.55	-265.59	10.46	270.36
5,822	61.69	289.46	5,716.84	65.55	-291.95	8.18	298.20
5,854	63.69	289.08	5,731.52	74.93	-318.79	6.34	326.61
5,886	66.94	288.71	5,744.88	84.34	-346.29	10.21	355.67
5,918	70.44	288.33	5,756.51	93.81	-374.56	10.99	385.48
5,950	73.38	289.71	5,766.45	103.73	-403.31	10.06	415.88
5,982	76.94	290.08	5,774.64	114.25	-432.39	11.18	446.78
6,014	82.50	290.21	5,780.35	125.09	-461.94	17.38	478.21
6,078	87.19	287.46	5,786.10	145.66	-522.25	8.49	541.91
6,143	88.00	289.33	5,788.83	166.15	-583.87	3.13	606.84
6,207	88.81	288.96	5,790.61	187.13	-644.31	1.39	670.78
6,302	90.38	288.83	5,791.28	217.89	-734.18	1.66	765.75
6,398	87.63	288.46	5,792.95	248.58	-825.12	2.89	861.70
6,461	87.75	288.08	5,795.49	268.31	-884.90	.63	924.64
6,556	90.81	287.21	5,796.68	297.10	-975.41	3.35	1,019.62
6,651	90.25	285.71	5,795.80	324.02	-1,066.51	1.69	1,114.60
6,714	90.56	285.08	5,795.36	340.74	-1,127.25	1.11	1,177.56
6,810	93.81	285.58	5,791.70	366.10	-1,219.75	3.43	1,273.42
6,842	95.56	285.83	5,789.08	374.73	-1,250.45	5.52	1,305.29
6,874	94.13	285.08	5,786.38	383.23	-1,281.18	5.04	1,337.16
6,906	89.69	284.58	5,785.31	391.41	-1,312.09	13.96	1,369.10
6,969	90.38	285.96	5,785.28	408.00	-1,372.87	2.45	1,432.06

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DEVIATION REPORT

<u>TMD (Ft.)</u>	<u>Degrees</u>	<u>Azimuth</u>	<u>TVD (Ft.)</u>	<u>Root Coordinants</u>		<u>Dogleg</u>	<u>Vert. Section (Ft.)</u>
				<u>N/-S</u>	<u>E/-W</u>		
7,033	89.56	287.21	5,785.31	426.27	-1,434.20	2.34	1,496.05

I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer for BURLINGTON RESOURCES OIL AND GAS CO., am authorized by said Company to make this report; and that this report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Adele C. White

Subscribed and sworn to before me this 28th Day of July, 1998

Deanna Strain
Notary Public in and for San Juan County, New Mexico

My commission expires August 17, 2000

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**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 _____

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 regulations)
At surface 1850'FNL, 790'FEL
At top prod. interval reported below
At total depth 1424'FNL, 2224'FEL

RECEIVED
AUG 17 1998
OIL CON. DIV.
DIST. 3

5. LEASE DESIGNATION AND SERIAL NO.
NM-03154

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Huerfano Unit

8. FARM OR LEASE NAME, WELL NO.
Huerfano Unit #299

9. API WELL NO.
30-045-29588

10. FIELD AND POOL, OR WILDCAT
Angels Peak Gallup

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 15, T-26-N, R-9-W

14. PERMIT NO. _____ DATE ISSUED _____

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

15. DATE SPUDED 4-15-98 16. DATE T.D. REACHED 4-27-98 17. DATE COMPL. (Ready to prod.) 6-23-98 18. ELEVATIONS (DF, RKB, RT, BR, ETC.)* 6272 GR 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD MTD: 7073', TVD: 5785' 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY 0-7073 ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*
6117-7073 Gallup

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
None

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	32.3#	365	12 1/4	384 cu.ft.	
7	23#	5451	8 3/4	1442 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 1/2	5321	6116	none	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	5886	

31. PERFORATION RECORD (Interval, size and number)
6117-7073 open hole

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6117-7073	none

33. PRODUCTION

DATE FIRST PRODUCTION 6-23-98 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
6-23-98					TSTM		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL	GAS—MCF	WATER—BBL	OIL GRAVITY-API (CORR.)
	SI 518					

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

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

SIGNED [Signature] TITLE Regulatory Administrator DATE 8-12-98

ACCEPTED FOR RECORD

AUG 14 1998

*(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.

NMOCD

FARMINGTON DISTRICT OFFICE
BY [Signature]

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH

38.

GEOLOGIC MARKERS

Ojo Alamo	1133'	1251'	White, cr-gr ss.	Ojo Alamo	1133'	
Kirtland	1251'	1810'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1251'	
Fruitland	1810'	1954'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1810'	
Placered Cliffs	1954'	2038'	ln gry, fine grn, light ss.	Placered Cliffs	1954'	
Lewis	2038'	2390'	Shale w/siltstone stringers	Lewis	2038'	
Huerfanto Bentonite*	2390'	2848'	White, waxy chalky bentonite	Huerfanto Bent.	2390'	
Chacra	2848'	3532'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	2848'	
Cliff House	3532'	3630'	ss. Gry, fine-grn, dense sil ss.	Cliff House	3532'	
Menefee	3630'	4381'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3630'	
Point Lookout	4381'	4810'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Pt. Lookout	4381'	
Mancos	4810'	5423'	Dark gry carb sh.	Mancos	4810'	
Gallup	5423'	5785'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	5423'	

*Huerfanto Bentonite is the legal top of Mesa Verde in New Mexico (North of the Chacra line)

