

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Artec, N.M. 87410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34855	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 34287	⁵ Property Name NEGRO CANYON	⁶ Well Number 5 M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6905'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	12	31N	8W		2369'	SOUTH	1096'	WEST	SAN JUAN

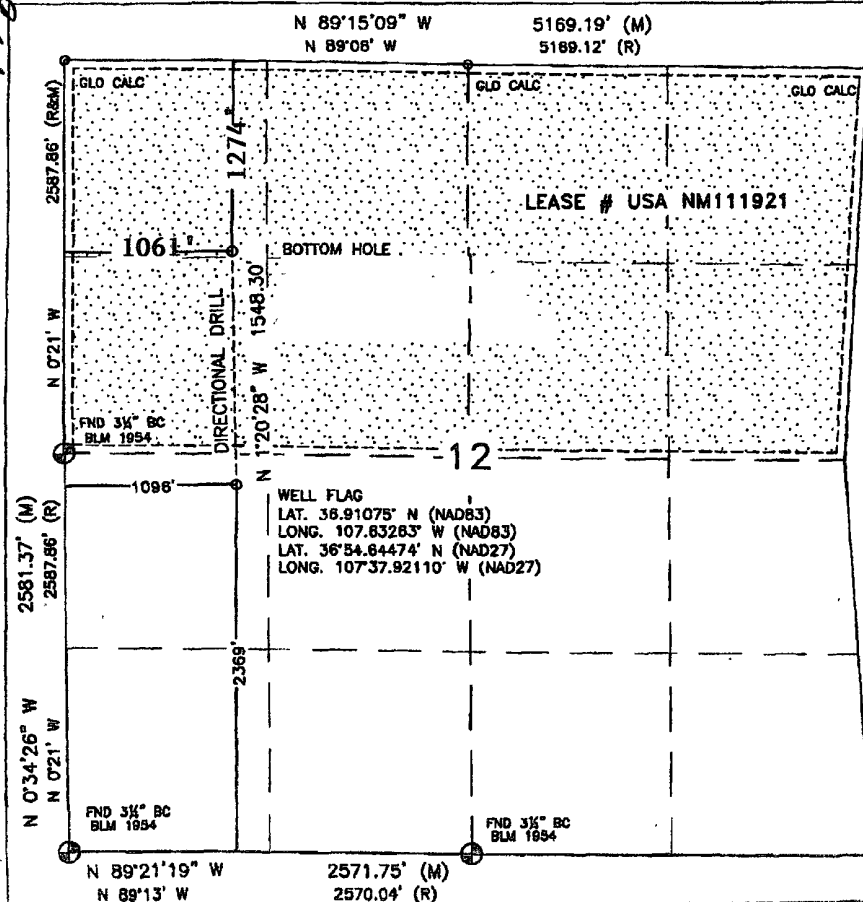
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	31N	8W		1274	NORTH	1061	WEST	SAN JUAN

¹² Dedicated Acres 320.00 Acres - (N/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD NOV 18 '09 OIL CONS. DIV.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

DIST. 3



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or an undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner or a compulsory pooling order heretofore entered by the division.

Crystal Tafaya 11/17/09
Signature

Crystal Tafaya 11/17/09
Printed Name

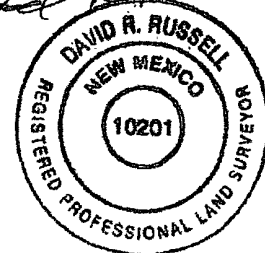
¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APRIL 2, 2009

Date of Survey
Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL
Certificate Number 10201



COP Deviation Report

NEGRO CANYON #5M

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName NEGRO CANYON #5M	API / UWI 3004534855	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 012-031N-008W-L	N/S Dist (ft) 2,369.00	N/S Ref FSL	E/W Dist (ft) 1,096.00	E/W Ref FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
5/29/2009	285.00	0.05	MWD	H & B
5/29/2009	323.00	0.03	MWD	H & B
5/29/2009	353.00	0.70	MWD	H & B
5/29/2009	383.00	1.70	MWD	H & B
5/29/2009	414.00	2.80	MWD	H & B
5/29/2009	445.00	4.00	MWD	H & B
5/29/2009	476.00	4.70	MWD	H & B
5/29/2009	506.00	5.40	MWD	H & B
5/29/2009	537.00	6.00	MWD	H & B
5/29/2009	568.00	6.50	MWD	H & B
5/29/2009	599.00	6.90	MWD	H & B
5/29/2009	630.00	7.70	MWD	H & B
5/29/2009	661.00	8.50	MWD	H & B
5/29/2009	691.00	9.20	MWD	H & B
5/29/2009	722.00	9.90	MWD	H & B
5/29/2009	770.00	11.20	MWD	H & B
5/29/2009	815.00	12.20	MWD	H & B
5/29/2009	860.00	12.90	MWD	H & B
5/29/2009	905.00	13.60	MWD	H & B
5/29/2009	950.00	14.40	MWD	H & B
5/29/2009	995.00	14.90	MWD	H & B
5/29/2009	1,040.00	15.60	MWD	H & B
5/29/2009	1,085.00	16.20	MWD	H & B
5/29/2009	1,130.00	16.70	MWD	H & B
5/29/2009	1,175.00	17.60	MWD	H & B
5/29/2009	1,220.00	18.70	MWD	H & B
5/29/2009	1,265.00	19.10	MWD	H & B
5/30/2009	1,310.00	19.40	MWD	H & B
5/30/2009	1,355.00	20.00	MWD	H & B
5/30/2009	1,400.00	20.40	MWD	H & B
5/30/2009	1,445.00	21.40	MWD	H & B
5/30/2009	1,490.00	22.50	MWD	H & B
5/30/2009	1,536.00	23.50	MWD	H & B
5/30/2009	1,581.00	23.90	MWD	H & B
5/30/2009	1,626.00	24.50	MWD	H & B

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report, and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
5/30/2009	1,671.00	25.40	MWD	H & B
5/30/2009	1,716.00	25.60	MWD	H & B
5/30/2009	1,761.00	26.20	MWD	H & B
5/30/2009	1,806.00	26.70	MWD	H & B
5/30/2009	1,896.00	26.30	MWD	H & B
5/30/2009	1,986.00	27.10	MWD	H & B
5/30/2009	2,076.00	27.00	MWD	H & B
5/30/2009	2,166.00	26.40	MWD	H & B
5/30/2009	2,256.00	27.30	MWD	H & B
5/30/2009	2,346.00	27.50	MWD	H & B
5/30/2009	2,436.00	26.40	MWD	H & B
5/30/2009	2,526.00	26.90	MWD	H & B
5/30/2009	2,616.00	26.80	MWD	H & B
5/30/2009	2,706.00	26.20	MWD	H & B
5/30/2009	2,796.00	26.10	MWD	H & B
5/30/2009	2,887.00	27.90	MWD	H & B
5/30/2009	2,977.00	26.90	MWD	H & B
5/30/2009	3,067.00	26.40	MWD	H & B
5/30/2009	3,157.00	27.50	MWD	H & B
5/30/2009	3,247.00	26.80	MWD	H & B
5/30/2009	3,337.00	26.30	MWD	H & B
5/30/2009	3,427.00	27.00	MWD	H & B
5/30/2009	3,517.00	25.60	MWD	H & B
5/30/2009	3,607.00	24.60	MWD	H & B
5/30/2009	3,697.00	25.50	MWD	H & B
5/31/2009	3,787.00	26.20	MWD	H & B
5/31/2009	3,877.00	24.30	MWD	H & B
5/31/2009	3,967.00	22.70	MWD	H & B
5/31/2009	4,012.00	21.60	MWD	H & B
5/31/2009	4,057.00	20.00	MWD	H & B
5/31/2009	4,102.00	18.80	MWD	H & B
5/31/2009	4,147.00	18.60	MWD	H & B
5/31/2009	4,192.00	18.30	MWD	H & B
5/31/2009	4,237.00	17.80	MWD	H & B
5/31/2009	4,282.00	17.00	MWD	H & B
5/31/2009	4,327.00	15.80	MWD	H & B
5/31/2009	4,372.00	13.90	MWD	H & B
5/31/2009	4,417.00	11.80	MWD	H & B
5/31/2009	4,462.00	10.30	MWD	H & B

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/1/2009	4,507.00	8.70	MWD	H & B
6/1/2009	4,552.00	7.30	MWD	H & B
6/1/2009	4,597.00	6.00	MWD	H & B
6/1/2009	4,642.00	4.50	MWD	H & B
6/1/2009	4,687.00	3.30	MWD	H & B
6/1/2009	4,732.00	2.50	MWD	H & B
6/1/2009	4,777.00	2.20	MWD	H & B
6/1/2009	4,785.00	2.20	MWD	H & B
6/1/2009	4,835.00	2.20	MWD	H & B
6/30/2009	8,775.00	1.50	FINAL BHS	PHOENIX

RCVD NOV 18 '09
OIL CONS. DIV.
DIST. 3

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

[Signature]

Subscribed and sworn to me this 10/12/2009

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



Hathaway Burnham Navigational LLC
DIRECTIONAL AND MWD SERVICES

June, 01 2009

Ms. Geneva Blackwater
P.O. Box 4289
Farmington, NM 87499

Negro Canyon SM
API # 30.045. 34855
Blanco mv / Basin BK
Burlington Resources O&G, Co. LP

RE: Final Notarized Survey's Well Negro Canyon #5M

RCVD NOV 18 '09
OIL CONS. DIV.

DIST. 3

Dear Ms. Blackwater,

Please find the enclosed final surveys for well Negro Canyon #5M. I hereby Certify to the best of my knowledge these surveys are true and correct.

Sincerely,

Taryn Lambert
Hathaway Burnham Navigational LLC

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Kern

On 6/3/09
Date

before me,

Richelle L. Siemens, Public
Here Insert Name and Title of the Officer

Notary

personally appeared

Taryn Lambert
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

[Signature]

Signature of Notary Public



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Job Number: NM09603

Company: CONOCOPHILLIPS/BURLINGTON RES

Lease/Well: NEGRO CANYON #5M

Location: SECTION 12

Rig Name: HP 282

RKB:

G.L. or M.S.L.:

State/Country: NEW MEXICO

Declination:

Grid:

File name: C:\WINSERVE\NM09603.SVY

Date/Time: 01-Jun-09 / 17:38

Curve Name: AS DRILLED

AS DRILLED

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 358.81
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
285.00	.05	284.00	285.00	.03	-.12	.03	.12	284.01	.02
323.00	.03	352.30	323.00	.04	-.14	.05	.14	287.66	.13
353.00	.70	27.20	353.00	.21	-.06	.22	.22	345.54	2.25
383.00	1.70	17.10	382.99	.80	.16	.80	.82	11.22	3.39
414.00	2.80	9.70	413.97	1.99	.42	1.98	2.03	11.98	3.66
445.00	4.00	6.40	444.91	3.81	.67	3.80	3.87	9.98	3.92
476.00	4.70	3.20	475.82	6.15	.86	6.13	6.21	7.97	2.39
506.00	5.40	3.10	505.71	8.79	1.01	8.77	8.85	6.53	2.33
537.00	6.00	2.20	536.55	11.86	1.15	11.84	11.92	5.52	1.96

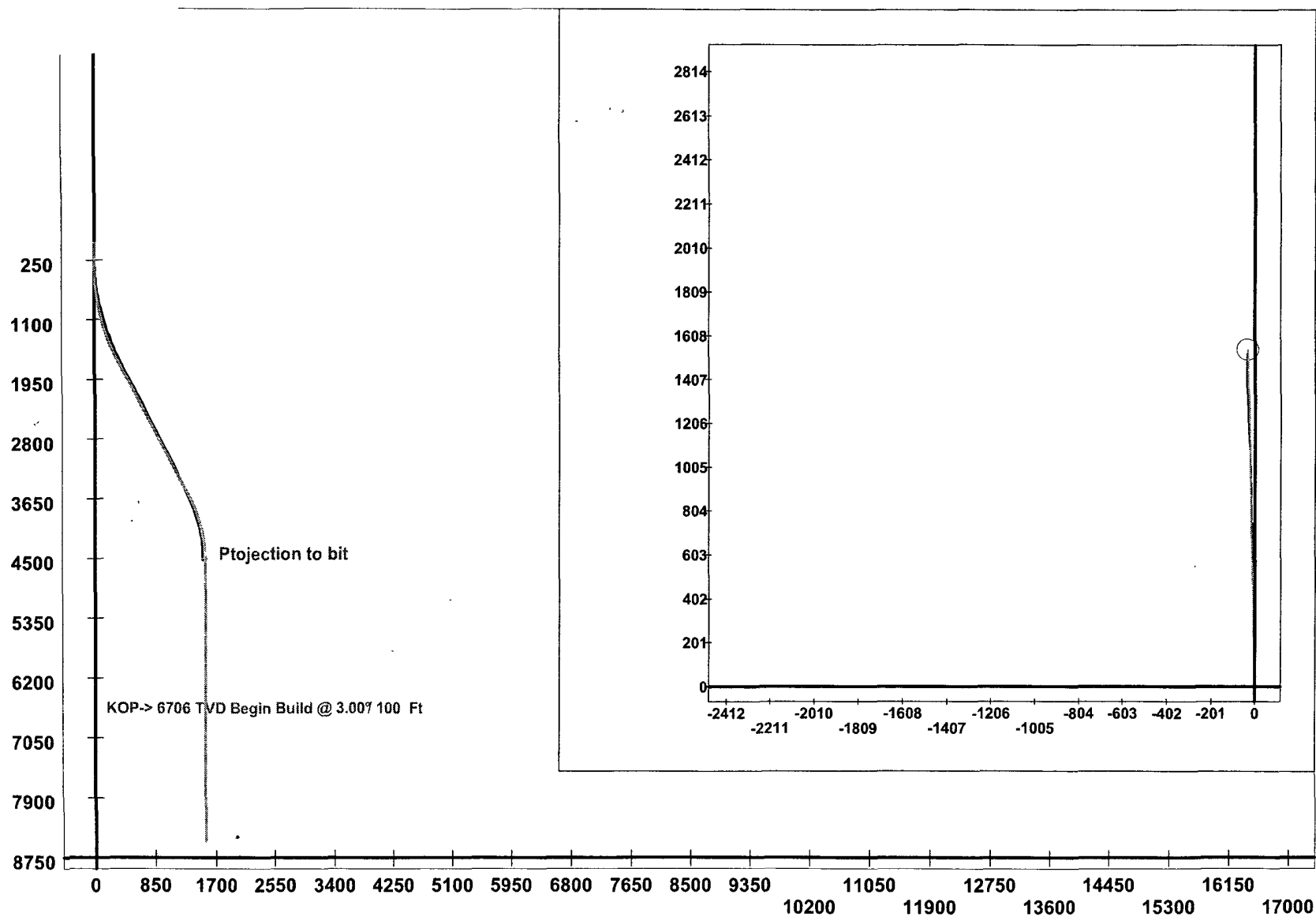
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
568.00	6.50	1.60	567.37	15.24	1.26	15.21	15.29	4.72	1.63
599.00	6.90	.10	598.16	18.85	1.31	18.82	18.90	3.98	1.41
630.00	7.70	359.00	628.91	22.79	1.28	22.76	22.83	3.21	2.62
661.00	8.50	359.10	659.60	27.16	1.21	27.13	27.19	2.54	2.58
691.00	9.20	359.00	689.24	31.77	1.13	31.74	31.79	2.04	2.33
722.00	9.90	358.50	719.81	36.92	1.02	36.89	36.93	1.58	2.27
770.00	11.20	.40	767.00	45.70	.94	45.67	45.71	1.18	2.80
815.00	12.20	.30	811.06	54.83	1.00	54.80	54.84	1.04	2.22
860.00	12.90	358.50	854.99	64.60	.89	64.57	64.61	.79	1.78
905.00	13.60	358.60	898.79	74.92	.63	74.89	74.92	.48	1.56
950.00	14.40	357.70	942.45	85.80	.27	85.77	85.80	.18	1.84
995.00	14.90	357.40	985.99	97.17	-.21	97.15	97.17	359.87	1.12
1040.00	15.60	356.50	1029.40	108.99	-.84	108.98	108.99	359.56	1.64
1085.00	16.20	356.40	1072.68	121.29	-1.61	121.30	121.30	359.24	1.33
1130.00	16.70	357.40	1115.84	134.01	-2.29	134.03	134.03	359.02	1.28
1175.00	17.60	358.60	1158.84	147.27	-2.75	147.30	147.30	358.93	2.15
1220.00	18.70	359.20	1201.60	161.29	-3.02	161.32	161.32	358.93	2.48
1265.00	19.10	359.50	1244.17	175.86	-3.19	175.89	175.89	358.96	.91
1310.00	19.40	359.50	1286.66	190.70	-3.32	190.73	190.73	359.00	.67
1355.00	20.00	358.80	1329.02	205.87	-3.54	205.90	205.90	359.01	1.43
1400.00	20.40	358.50	1371.25	221.40	-3.91	221.43	221.44	358.99	.92
1445.00	21.40	358.50	1413.29	237.45	-4.33	237.49	237.49	358.96	2.22
1490.00	22.50	358.70	1455.03	254.26	-4.74	254.31	254.31	358.93	2.45
1536.00	23.50	358.90	1497.37	272.23	-5.11	272.28	272.28	358.92	2.18
1581.00	23.90	358.10	1538.58	290.31	-5.59	290.37	290.37	358.90	1.14
1626.00	24.50	357.80	1579.62	308.75	-6.25	308.81	308.81	358.84	1.36
1671.00	25.40	358.80	1620.42	327.72	-6.81	327.79	327.79	358.81	2.21
1716.00	25.60	358.80	1661.04	347.09	-7.22	347.17	347.17	358.81	.44
1761.00	26.20	359.90	1701.52	366.75	-7.44	366.82	366.82	358.84	1.71
1806.00	26.70	.90	1741.81	386.79	-7.30	386.86	386.86	358.92	1.49

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1896.00	26.30	1.60	1822.35	426.94	-6.42	426.98	426.98	359.14	.56
1986.00	27.10	.70	1902.76	467.36	-5.61	467.38	467.40	359.31	1.00
2076.00	27.00	.30	1982.91	508.29	-5.26	508.29	508.32	359.41	.23
2166.00	26.40	358.40	2063.32	548.72	-5.71	548.72	548.75	359.40	1.16
2256.00	27.30	358.40	2143.61	589.36	-6.84	589.37	589.40	359.33	1.00
2346.00	27.50	358.10	2223.52	630.75	-8.11	630.79	630.81	359.26	.27
2436.00	26.40	357.30	2303.74	671.51	-9.74	671.57	671.58	359.17	1.29
2526.00	26.90	357.80	2384.18	711.84	-11.46	711.93	711.93	359.08	.61
2616.00	26.80	357.80	2464.48	752.46	-13.02	752.57	752.57	359.01	.11
2706.00	26.20	358.10	2545.02	792.59	-14.46	792.72	792.72	358.95	.68
2796.00	26.10	359.10	2625.81	832.24	-15.43	832.38	832.39	358.94	.50
2887.00	27.90	358.60	2706.89	873.55	-16.27	873.70	873.70	358.93	1.99
2977.00	26.90	358.10	2786.79	914.95	-17.46	915.11	915.11	358.91	1.14
3067.00	26.40	357.50	2867.23	955.28	-19.00	955.47	955.47	358.86	.63
3157.00	27.50	359.00	2947.45	996.05	-20.24	996.26	996.26	358.84	1.44
3247.00	26.80	359.70	3027.54	1037.12	-20.71	1037.32	1037.32	358.86	.85
3337.00	26.30	358.30	3108.05	1077.34	-21.41	1077.55	1077.55	358.86	.89
3427.00	27.00	357.60	3188.49	1117.68	-22.85	1117.91	1117.91	358.83	.85
3517.00	25.60	356.20	3269.17	1157.49	-25.00	1157.76	1157.76	358.76	1.70
3607.00	24.60	356.80	3350.67	1195.60	-27.33	1195.91	1195.91	358.69	1.15
3697.00	25.50	357.70	3432.20	1233.66	-29.15	1234.00	1234.00	358.65	1.09
3787.00	26.20	357.50	3513.20	1272.87	-30.80	1273.23	1273.24	358.61	.78
3877.00	24.30	358.20	3594.59	1311.23	-32.25	1311.61	1311.62	358.59	2.14
3967.00	22.70	359.60	3677.13	1347.10	-32.95	1347.50	1347.51	358.60	1.88
4012.00	21.60	359.00	3718.81	1364.07	-33.16	1364.46	1364.47	358.61	2.50
4057.00	20.00	358.10	3760.87	1380.04	-33.56	1380.44	1380.45	358.61	3.63
4102.00	18.80	357.70	3803.32	1394.98	-34.10	1395.39	1395.40	358.60	2.68
4147.00	18.60	354.50	3845.94	1409.37	-35.08	1409.79	1409.81	358.57	2.32
4192.00	18.30	358.80	3888.63	1423.58	-35.92	1424.02	1424.03	358.55	3.10
4237.00	17.80	2.90	3931.42	1437.51	-35.72	1437.94	1437.95	358.58	3.03

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
4282.00	17.00	3.20	3974.36	1450.95	-35.00	1451.36	1451.37	358.62	1.79
4327.00	15.80	3.30	4017.53	1463.63	-34.28	1464.03	1464.03	358.66	2.67
4372.00	13.90	2.40	4061.02	1475.15	-33.70	1475.53	1475.54	358.69	4.25
4417.00	11.80	.70	4104.89	1485.15	-33.42	1485.53	1485.53	358.71	4.74
4462.00	10.30	358.10	4149.06	1493.77	-33.50	1494.15	1494.15	358.72	3.51
4507.00	8.70	358.10	4193.44	1501.20	-33.74	1501.57	1501.58	358.71	3.56
4552.00	7.30	358.20	4238.00	1507.46	-33.95	1507.84	1507.84	358.71	3.11
4597.00	6.00	356.80	4282.69	1512.66	-34.17	1513.05	1513.05	358.71	2.91
4642.00	4.50	356.00	4327.50	1516.77	-34.42	1517.16	1517.16	358.70	3.34
4687.00	3.30	1.00	4372.40	1519.83	-34.52	1520.22	1520.22	358.70	2.77
4732.00	2.50	356.80	4417.34	1522.10	-34.55	1522.49	1522.50	358.70	1.84
4777.00	2.20	356.80	4462.30	1523.95	-34.66	1524.34	1524.34	358.70	.67
4785.00	2.20	356.20	4470.30	1524.25	-34.68	1524.64	1524.65	358.70	.29
Ptojection to bit									
4835.00	2.20	356.20	4520.26	1526.17	-34.80	1526.56	1526.56	358.69	.00

Job Number: NM09603
Company: CONOCOPHILLIPS/BURLINGTON RES
Lease/Well: NEGRO CANYON #5M
Location: SECTION 12
Rig Name: HP 282
State/Country: NEW MEXICO

File name: C:\WINSERVE\NM09603.SVY



○-- AS DRILLED -- PLOT ▽--