

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 19 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PUMP
Bureau of Land Management
Farmington Field Office

SEP 02 2009
BLM
DIST. 3

1a. Type of Work DRILL	5. Lease Number SF-079193 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 28-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 143P	
4. Location of Well Surf: Unit K(NESW), 1473' FSL & 1570' FWL Bottomhole: Unit N(SESW), 721' FSL & 2248' FWL Surf: Latitude: 36.64360° N (NAD83) Longitude: 107.49407° W Bottomhole: Latitude: 36.64153° N (NAD83) Longitude: 107.49176° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 20, T28N, R6W API # 30-039-30805	
14. Distance in Miles from Nearest Town 38.5 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 721'		
16. Acres in Lease 2240	17. Acres Assigned to Well MV/DK 320 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 76' from San Juan 28-6 Unit 143		
19. Proposed Depth 7828'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6579' GL	22. Approx. Date Work will Start BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Tracey N. Monroe</i> Tracey N. Monroe (Staff Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any statement or presentation as to any matter within its jurisdiction

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOC

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

SEP 02 2009

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

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised October 12, 2005

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

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87605

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
AUG 19 2009 State Lease - 4 Copies
Fee Lease - 3 Copies
Bureau of Land Management
Farmington Field Office
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30805	*Pool Code 71599/72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 7462	*Property Name SAN JUAN 28-6 UNIT	*Well Number 143 P
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6579'

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
K	20	28N	6W		1473'	SOUTH	1570'	WEST	RIO ARRIBA

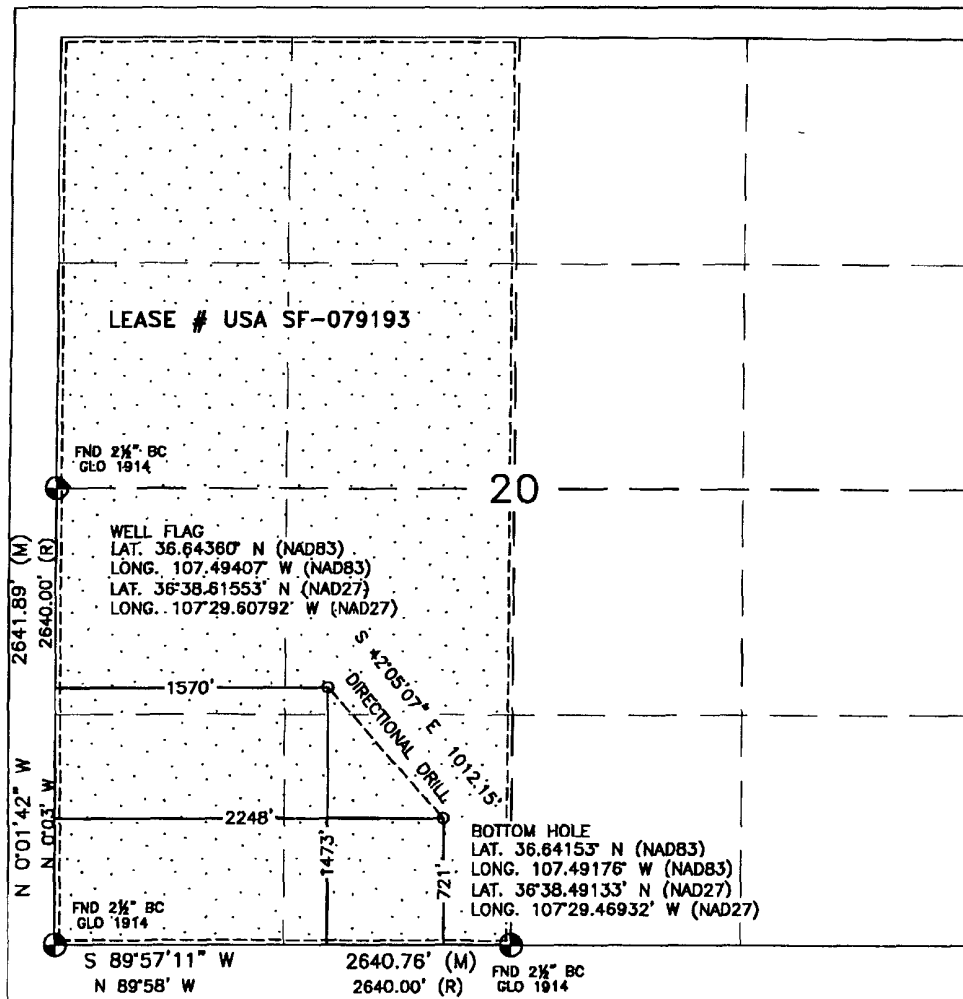
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	20	28N	6W		721'	SOUTH	2248'	WEST	RIO ARRIBA

*Dedicated Acres 320.0 Acres - (W/2)	*Joint or Infill	*Consolidation Code	*Order No.
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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

16



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 unleased 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 Tafoya 2/19/09
Signature Date

Crystal Tafoya 2-19-09
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.

FEBRUARY 12, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 143P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8048		AFE \$: 1,726,825.89	
Field Name: SAN JUAN 28-6 UNIT		Rig: H&P Rig 281		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F (Charles)		Phone: +1-505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location:		Datum Code: NAD 27		Direction:	
Latitude: 36.643592	Longitude: -107.493465	X:	Y:	Section: 20	Range: 006W
Footage X: 1570 FWL	Footage Y: 1473 FSL	Elevation: 6579	(FT)	Township: 028N	

Tolerance:					
Location:		Datum Code: NAD 27		Direction:	
Latitude: 36.641522	Longitude: -107.491155	X:	Y:	Section: 20	Range: 006W
Footage X: 2248 FWL	Footage Y: 721 FSL	Elevation:	(FT)	Township: 028N	

Location Type: Year Round		Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data:	Assume KB = 6595	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6395	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 159 cubic ft. Circulate cement to surface.
OJO ALAMO	2605	3990	☐			
KIRTLAND	2704	3891	☐			
FRUITLAND	3016	3579	☐			Possible Gas
PICTURED CLIFFS	3355	3240	☐			
LEWIS	3515	3080	☐			
Intermediate Casing	3615	2980	☐			8-3/4" hole. 7", 23 ppf, J-55, LTC casing. Cement with 1054 cubic ft. Circulate cement to surface.
HUERFANITO BENTONITE	3962	2633	☐			
CHACRA	4324	2271	☐			Est. Top Perf - 4326 (2273)
MASSIVE CLIFF HOUSE	5035	1560	☐	720		Gas
MENEFEE	5185	1410	☐			
POINT LOOKOUT	5555	1040	☐			
MANCOS	6047	548	☐			
UPPER GALLUP	6779	-184	☐			
GREENHORN	7509	-914	☐			
GRANEROS	7574	-979	☐			
TWO WELLS	7610	-1015	☐	2438		Gas
UPPER CUBERO	7724	-1129	☐			
LOWER CUBERO	7759	-1164	☐			Est. Btm Perf - 7808 (-1213) based on offset wells
Total Depth	7828	-1233	☐			6-1/4" hole. 4-1/2", 11.6 ppf, J-55, LTC casing. Cement with 500 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7828	-1233	☐			

+/- 568 ft

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 143P

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

Logging Program:	
Intermediate Logs:	☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD.	

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

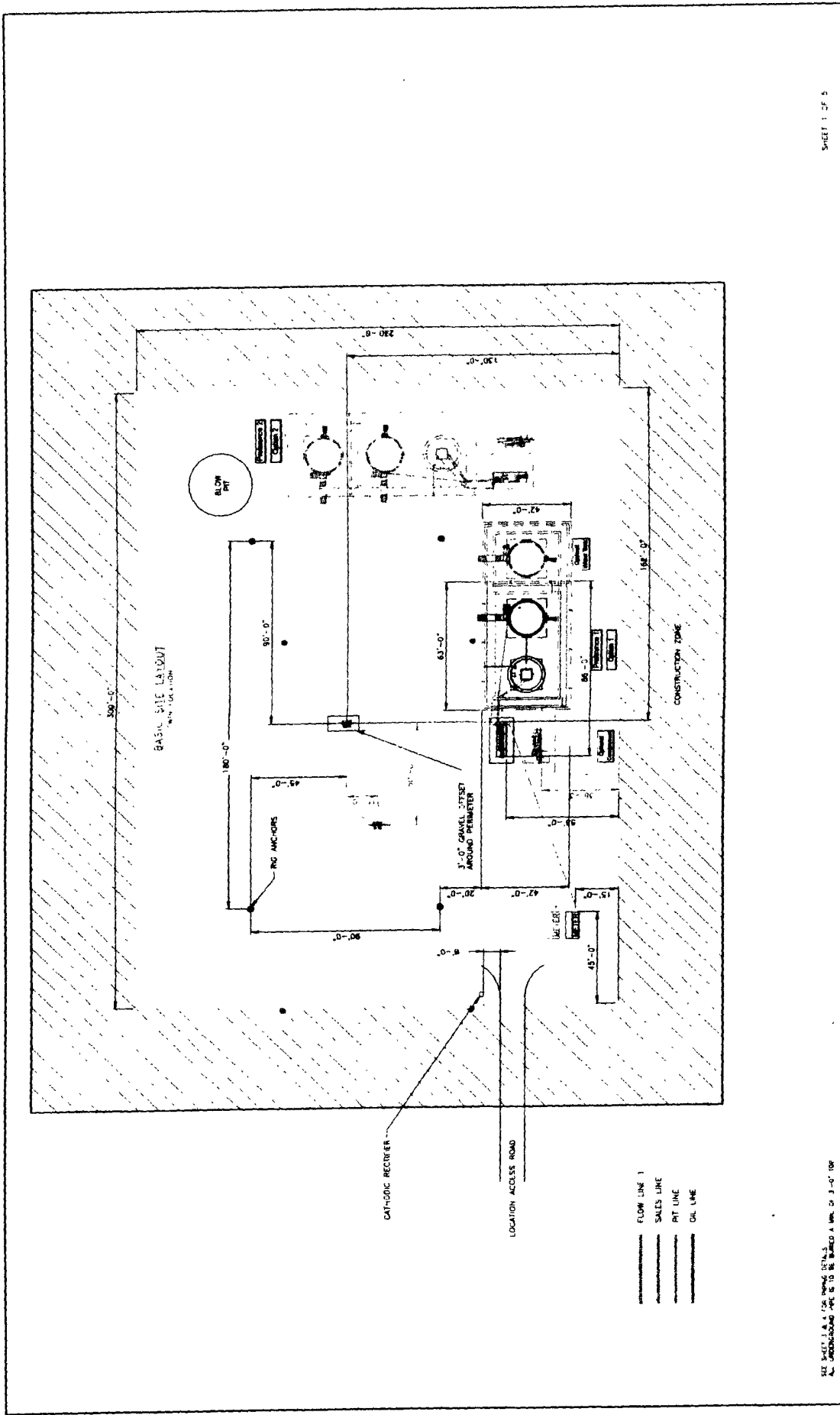
ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #143P
Company:	ConocoPhillips SJB	TVD Reference:	HP KB @ 6595.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	HP KB @ 6595.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #143P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,500.0	0.00	0.00	7,314.6	-753.6	677.8	1,013.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,414.6	-753.6	677.8	1,013.6	0.00	0.00	0.00
7,694.4	0.00	0.00	7,509.0	-753.6	677.8	1,013.6	0.00	0.00	0.00
Greenhorn									
7,700.0	0.00	0.00	7,514.6	-753.6	677.8	1,013.6	0.00	0.00	0.00
7,759.4	0.00	0.00	7,574.0	-753.6	677.8	1,013.6	0.00	0.00	0.00
Graneros									
7,795.4	0.00	0.00	7,610.0	-753.6	677.8	1,013.6	0.00	0.00	0.00
Two Wells									
7,800.0	0.00	0.00	7,614.6	-753.6	677.8	1,013.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,714.6	-753.6	677.8	1,013.6	0.00	0.00	0.00
7,909.4	0.00	0.00	7,724.0	-753.6	677.8	1,013.6	0.00	0.00	0.00
Upper Cubero									
7,944.4	0.00	0.00	7,759.0	-753.6	677.8	1,013.6	0.00	0.00	0.00
Lower Cubero									
8,000.0	0.00	0.00	7,814.6	-753.6	677.8	1,013.6	0.00	0.00	0.00
8,013.4	0.00	0.00	7,828.0	-753.6	677.8	1,013.6	0.00	0.00	0.00
Encinal - Prod - SJ 28-6 #143P - PCP1									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 28-6 #143P - PCP1	0.00	0.00	7,828.0	-753.6	677.8	2,052,945.04	600,388.50	36° 38' 29.480 N	107° 29' 28.159 W
- plan hits target center									
- Point									
SJ 28-6 #143P - ICP1	0.00	0.00	3,615.0	-753.6	677.8	2,052,945.03	600,388.46	36° 38' 29.480 N	107° 29' 28.159 W
- plan hits target center									
- Point									

8,013.4	7,828.0	Encinal	0.00
2,853.5	2,704.0	Kirtland	0.00
3,191.1	3,016.0	Fruitland	0.00
4,509.4	4,324.0	Chacra	0.00
5,370.4	5,185.0	Menefee	0.00
7,944.4	7,759.0	Lower Cubero	0.00
6,964.4	6,779.0	Upper Gallup	0.00
7,795.4	7,610.0	Two Wells	0.00
2,745.2	2,605.0	Ojo	0.00
6,232.4	6,047.0	Mancos	0.00
5,220.4	5,035.0	Mass Cliffhouse	0.00
7,909.4	7,724.0	Upper Cubero	0.00
4,147.4	3,962.0	Huerfano Bentonite	0.00
7,759.4	7,574.0	Graneros	0.00
7,694.4	7,509.0	Greenhorn	0.00
5,740.4	5,555.0	Point Lookout	0.00
3,700.3	3,515.0	Lewis	0.00
3,539.5	3,355.0	Pictured Cliffs	0.00



SHEET 1 OF 5

SEE SHEET 1 OF 5 FOR Piping Details
 ALL DIMENSIONS ARE TO BE MAINTAINED TO A MAX. OF 3'-0" TOP

CONSTRUCTION		HIGH PRESSURE HYDROGEN		FACILITY DIAGRAM - SITE LAYOUT	
DATE	10/15/2010	DESIGNED BY	W. J. PHILLIPS	DATE	10/15/2010
REVISION		CHECKED BY		DATE	
1	10/15/2010	APPROVED BY		DATE	
2	10/15/2010	PROJECT NO.	101000000	DATE	
3	10/15/2010	PROJECT NAME	SAN JUAN BUSINESS UNIT	DATE	
4	10/15/2010	PROJECT LOCATION		DATE	
5	10/15/2010	PROJECT DESCRIPTION		DATE	
6	10/15/2010	PROJECT STATUS		DATE	
7	10/15/2010	PROJECT COMMENTS		DATE	
8	10/15/2010	PROJECT NOTES		DATE	
9	10/15/2010	PROJECT DETAILS		DATE	
10	10/15/2010	PROJECT SUMMARY		DATE	
11	10/15/2010	PROJECT CONCLUSION		DATE	
12	10/15/2010	PROJECT REVISIONS		DATE	
13	10/15/2010	PROJECT REFERENCES		DATE	
14	10/15/2010	PROJECT APPENDICES		DATE	
15	10/15/2010	PROJECT INDEX		DATE	
16	10/15/2010	PROJECT GLOSSARY		DATE	
17	10/15/2010	PROJECT ACRONYMS		DATE	
18	10/15/2010	PROJECT ABBREVIATIONS		DATE	
19	10/15/2010	PROJECT SYMBOLS		DATE	
20	10/15/2010	PROJECT LEGEND		DATE	
21	10/15/2010	PROJECT MAP		DATE	
22	10/15/2010	PROJECT PHOTOGRAPHY		DATE	
23	10/15/2010	PROJECT VIDEO		DATE	
24	10/15/2010	PROJECT AUDIO		DATE	
25	10/15/2010	PROJECT DOCUMENTATION		DATE	
26	10/15/2010	PROJECT RECORDS		DATE	
27	10/15/2010	PROJECT ARCHIVES		DATE	
28	10/15/2010	PROJECT BACKUP		DATE	
29	10/15/2010	PROJECT RECOVERY		DATE	
30	10/15/2010	PROJECT DISASTER RECOVERY		DATE	
31	10/15/2010	PROJECT SECURITY		DATE	
32	10/15/2010	PROJECT COMPLIANCE		DATE	
33	10/15/2010	PROJECT REGULATION		DATE	
34	10/15/2010	PROJECT STANDARDS		DATE	
35	10/15/2010	PROJECT BEST PRACTICES		DATE	
36	10/15/2010	PROJECT LESSONS LEARNED		DATE	
37	10/15/2010	PROJECT IMPROVEMENTS		DATE	
38	10/15/2010	PROJECT INNOVATIONS		DATE	
39	10/15/2010	PROJECT TRENDS		DATE	
40	10/15/2010	PROJECT FORECASTS		DATE	
41	10/15/2010	PROJECT RISKS		DATE	
42	10/15/2010	PROJECT OPPORTUNITIES		DATE	
43	10/15/2010	PROJECT CHALLENGES		DATE	
44	10/15/2010	PROJECT SOLUTIONS		DATE	
45	10/15/2010	PROJECT OUTCOMES		DATE	
46	10/15/2010	PROJECT IMPACTS		DATE	
47	10/15/2010	PROJECT BENEFITS		DATE	
48	10/15/2010	PROJECT COSTS		DATE	
49	10/15/2010	PROJECT REVENUES		DATE	
50	10/15/2010	PROJECT PROFITS		DATE	
51	10/15/2010	PROJECT LOSSES		DATE	
52	10/15/2010	PROJECT GAINS		DATE	
53	10/15/2010	PROJECT NETS		DATE	
54	10/15/2010	PROJECT TOTALS		DATE	
55	10/15/2010	PROJECT AVERAGES		DATE	
56	10/15/2010	PROJECT MEDIAN		DATE	
57	10/15/2010	PROJECT MODE		DATE	
58	10/15/2010	PROJECT RANGE		DATE	
59	10/15/2010	PROJECT VARIANCE		DATE	
60	10/15/2010	PROJECT STANDARD DEVIATION		DATE	
61	10/15/2010	PROJECT COEFFICIENT OF VARIATION		DATE	
62	10/15/2010	PROJECT CORRELATION		DATE	
63	10/15/2010	PROJECT REGRESSION		DATE	
64	10/15/2010	PROJECT HYPOTHESIS		DATE	
65	10/15/2010	PROJECT TESTS		DATE	
66	10/15/2010	PROJECT RESULTS		DATE	
67	10/15/2010	PROJECT CONCLUSIONS		DATE	
68	10/15/2010	PROJECT RECOMMENDATIONS		DATE	
69	10/15/2010	PROJECT SUGGESTIONS		DATE	
70	10/15/2010	PROJECT COMMENTS		DATE	
71	10/15/2010	PROJECT NOTES		DATE	
72	10/15/2010	PROJECT DETAILS		DATE	
73	10/15/2010	PROJECT SUMMARY		DATE	
74	10/15/2010	PROJECT CONCLUSION		DATE	
75	10/15/2010	PROJECT REVISIONS		DATE	
76	10/15/2010	PROJECT REFERENCES		DATE	
77	10/15/2010	PROJECT APPENDICES		DATE	
78	10/15/2010	PROJECT INDEX		DATE	
79	10/15/2010	PROJECT GLOSSARY		DATE	
80	10/15/2010	PROJECT ACRONYMS		DATE	
81	10/15/2010	PROJECT ABBREVIATIONS		DATE	
82	10/15/2010	PROJECT SYMBOLS		DATE	
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93	10/15/2010	PROJECT DISASTER RECOVERY		DATE	
94	10/15/2010	PROJECT SECURITY		DATE	
95	10/15/2010	PROJECT COMPLIANCE		DATE	
96	10/15/2010	PROJECT REGULATION		DATE	
97	10/15/2010	PROJECT STANDARDS		DATE	
98	10/15/2010	PROJECT BEST PRACTICES		DATE	
99	10/15/2010	PROJECT LESSONS LEARNED		DATE	
100	10/15/2010	PROJECT IMPROVEMENTS		DATE	

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-6 UNIT #143 P
1473' FSL & 1570' FWL
LOCATED IN THE NE/4 SW/4 OF SECTION 20,
T28N, R6W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM BLANCO POST OFFICE, HEAD EAST 22.7 MILES TO 4 MILE TURN OFF.
- 2) GO SOUTHEAST 3.4 MILES TO "Y" INTERSECTION.
- 3) TURN RIGHT & GO 2.1 MILES TO CROWS FOOT.
- 4) TURN RIGHT & GO 5.9 MILES NORTHERLY ALONG RIDGE ROAD.
- 5) TURN LEFT & GO 2.8 MILES.
- 6) TURN LEFT AT LAUNCHER & GO 0.6 MILES TO "T" INTERSECTION.
- 7) TURN LEFT & GO 0.6 MILES TO EXISTING LOCATION WHERE IT IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.64360°N, LONG. 107.49407°W (NAD 83).

