

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD FEB 27 '08
OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-080670 Unit Reporting Number NMNM-78408B-DK NMNM-78408A-MV	
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 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Surf: Unit M(SWSW), 685' FSL & 1180' FWL BH: Unit K (NESW), 1500' FSL & 1960' FWL SURF: Latitude 36.524730 N Longitude 107.296030 W BH: Latitude 36.527055 N Longitude 107.293388 W	9. Well Number #58N 10. Field, Pool, Wildcat Blanco MV/BasinDK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 31, T27N, R4W API # 30-039-30275	
14. Distance in Miles from Nearest Town 104 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 685'	17. Acres Assigned to Well MV-320 (W/2) DK-320 (S/2) 32.16 322.00	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from San Juan 27-4 Unit #58	
19. Proposed Depth 8522' (TVD)/8693' (TMD)	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7313' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Rhonda Rogers</i> Rhonda Rogers (Regulatory Technician)	6-5-07 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 to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

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

HOLD 0104 FOR

8

NMOCD

FEB 27 2008

AV

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994

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

207 JUN -3 11:00 AM '08
RECEIVED
210 FARM
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30275		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/ Basin Dakota
*Property Code 7452	*Property Name SAN JUAN 27-4 UNIT		*Well Number 58N
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 7313'

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
M	31	27N	4W		685	SOUTH	1180	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
K	31	27N	4W		1500	SOUTH	1960	WEST	RIO ARriba

¹² Dedicated Acres 323.16 320 acres MV W/2 322.00 320 acres DK S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
---	-------------------------------	----------------------------------	------------------------

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 1332.54' 1320.00' 2640.00' LOT 1 LEASE USA SF-080670 LOT 2 LOT 3 1960' SURFACE LOCATION LAT: 36.52474°N LONG: 107.29663°W DATUM: NAD83 1180' LOT 4 685' 1500' BOTTOM-HOLE LOCATION LAT: 36°31.6233'N LONG: 107°17.6033'W DATUM: NAD27 N43°04.6'E 1149.8' 31 5280.00' 5280.00' 1359.60' 1320.00' 2640.00'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Rhonda Rogers</i> Signature Rhonda Rogers Printed Name Regulatory Technician Title March 6 2007 Date 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 Date of Survey: JUNE 19, 2006 Signature and Seal of Professional Surveyor  JASON C. EDWARDS Certificate Number 15269
--	--

Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039-30275

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #USA SF-080670

7. Lease Name or Unit Agreement Name

San Juan 27-4 Unit

8. Well Number

#58N

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/Basin DK

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter M : 685' feet from the South line and 1180' feet from the West line
Section 31 Township 27N Rng 4W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

7313'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

>100

Distance from nearest fresh water well

>1000

Distance from nearest surface water

<1000

Pit Liner Thickness:

N/A

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Unlined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit, vent/flare pit and pre-set mud pit will be unlined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Technician

DATE

5-17-07

Type or print name

Rhonda Rogers

E-mail address:

ogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

FEB 27 2008

Conditions of Approval (if any):

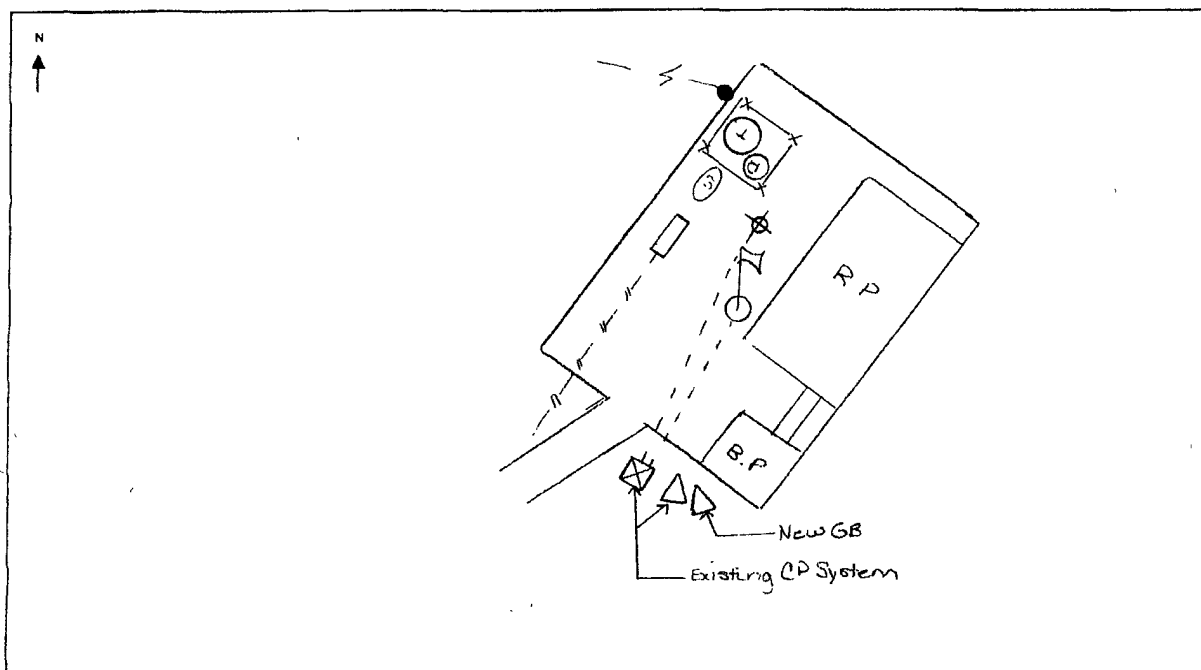


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME ST 27-4 #58N LEGALS H-31-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB SE of existing GB and tie into existing CP system.
Upgrade solar to a two-well. Trench approx 250' of #8 neg cable from proposed
well to existing solar



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: solar in forest area

NEAREST POWER SOURCE Overhead AC DISTANCE: _____
PIPELINES IN AREA: _____

TECHNICIAN: Michael Hargrave DATE: 5/29/07

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 58N

DEVELOPMENT

Lease:		AFE #: WAN.ZA1.9856/9857MV				AFE \$:	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27 Deviated							
Latitude: 36.524730		Longitude: -107.296030		X:	Y:	Section: 31	Range: 004W
Footage X: 1180 FWL		Footage Y: 585 FSL		Elevation: 7313	(FT)	Township: 027N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Deviated							
Latitude: 36.527055		Longitude: -107.293388		X:	Y:	Section: 31	Range: 004W
Footage X: 1960 FWL		Footage Y: 1500 FSL		Elevation:	(FT)	Township: 027N	
Tolerance:							
Location Type: Restricted		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 7327 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	216	7111	☐			12-1/4 hole. 216' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.	
OJAM	3555	3772	☐				
KRLD	3749	3578	☐				
FRLD	3810	3517	☐			Possible Gas	
PCCF	4127	3200	☐				
LEWS	4323	3004	☐				
Intermediate Casing	4423	2904	☐			8 3/4" hole. 7" 20/23 ppf J-55, STC/LTC casing. Circulate cement to surface. Cement with 986 cu.ft.	
CHRA	5056	2271	☐				
UCLFH	5665	1662	☐			Gas	
MASSIVE CLIFF HOUSE	5770	1557	☐	818		Gas	
MENF	5904	1423	☐				
PTLK	6249	1078	☐				
MNCS	6746	581	☐				
GLLP	7405	-78	☐				
GRHN	8203	-876	☐				
GRRS	8263	-936	☐				
TWLS	8280	-953	☐	2400		Gas	
CBRO	8414	-1087	☐				
CBRL	8452	-1125	☐				
OAK CANYON	8475	-1148	☐				
ENCINAL	8522	-1195	☐			TD at T/ENCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 58N

DEVELOPMENT

TOTAL DEPTH DK	8522	-1195	☐	2400	6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 558 cuft. Circulate cement a minimum of 100' inside the previous casing string.
----------------	------	-------	--------------------------	------	--

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 27-4 #58	SW 31-27N-4W

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

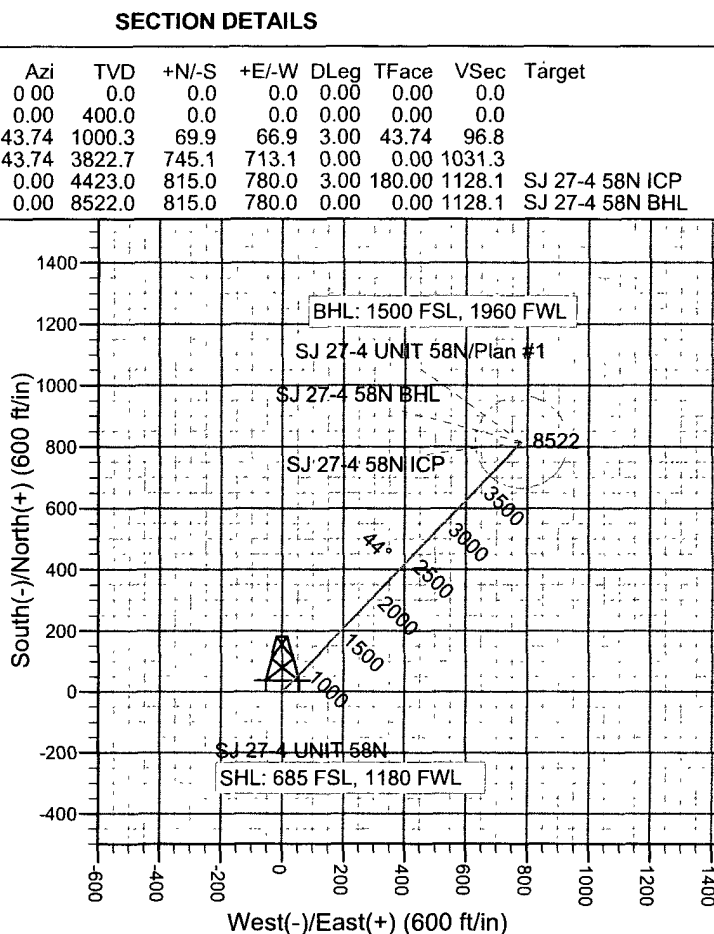
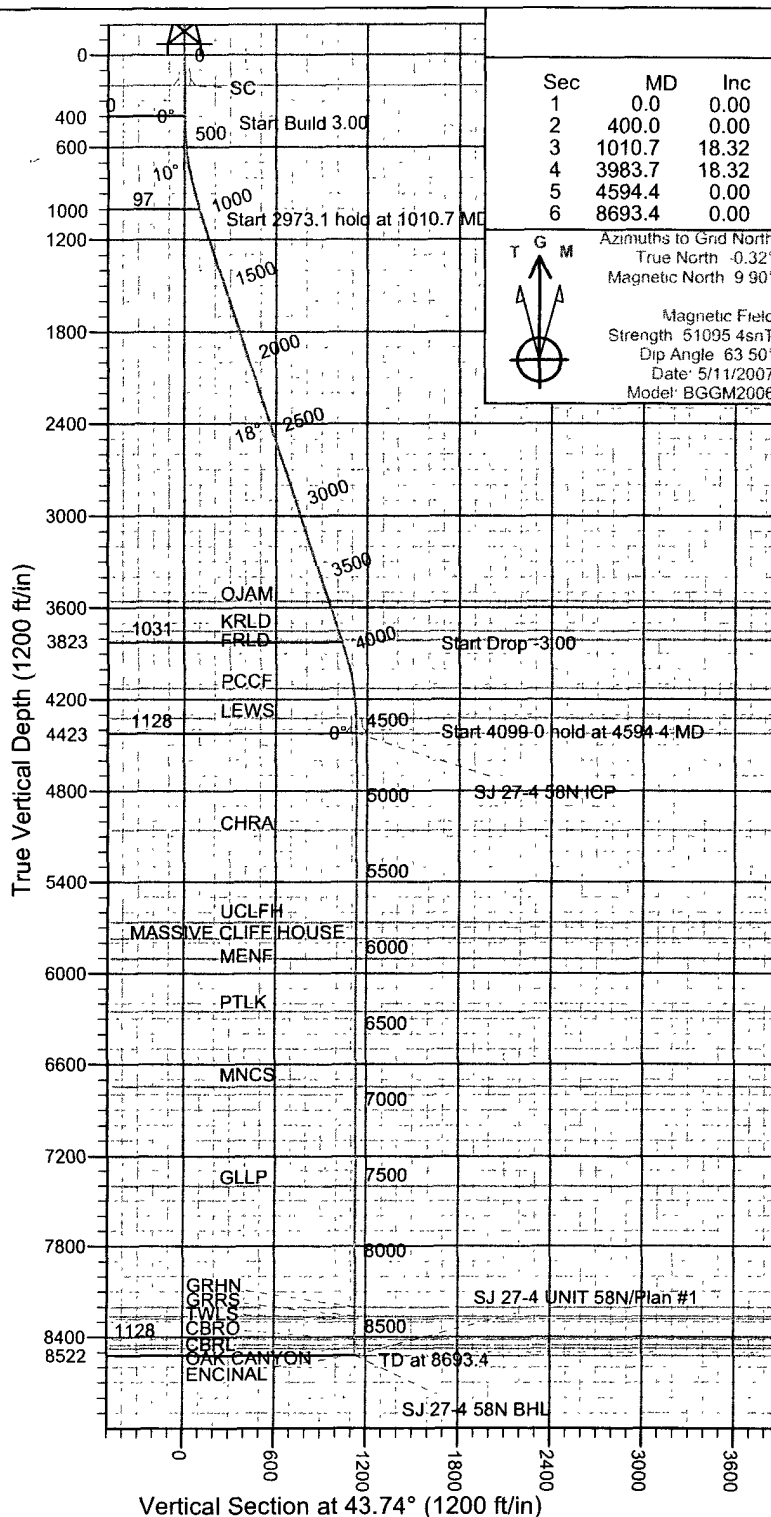
Comments: Location/Tops/Logging - DK 27N04W31SW2 MVNM027N004W31SW2, TD T/ENCN.

Zones - DK 27N04W31SW2 MVNM027N004W31SW2

General/Work Description -



Project: SAN JUAN BASIN
Site: SEC 31-T27N-R4W
Well: SJ 27-4 UNIT 58N
Wellbore: ST00BP00
Design: Plan #1



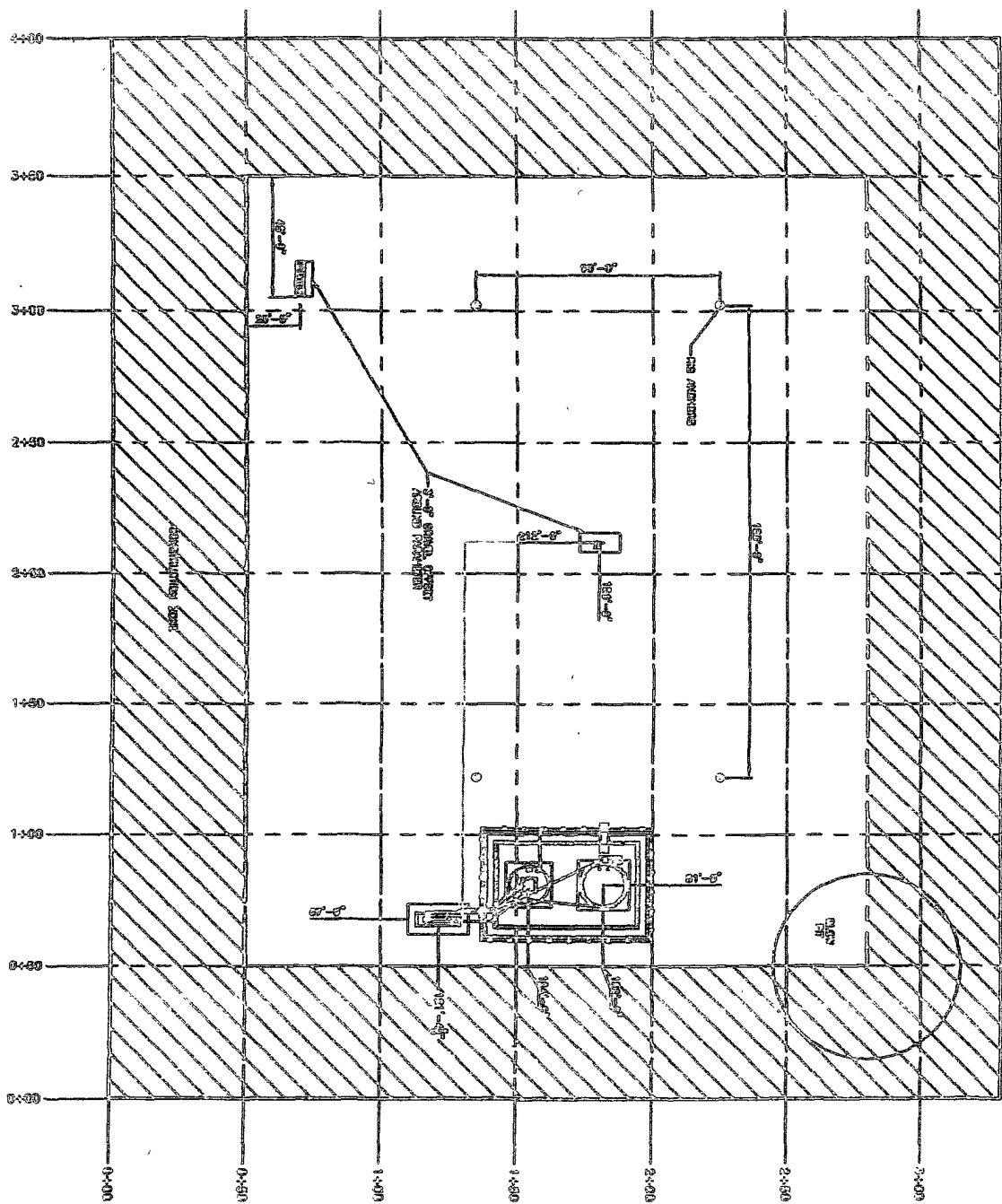
PROJECT DETAILS: SAN JUAN BASIN	
Geodetic System:	US State Plane 1927 (Exact solution)
Datum:	NAD 1927 (NADCON CONUS)
Ellipsoid:	Clarke 1866
Zone:	New Mexico West 3003
System Datum:	Mean Sea Level
SITE DETAILS: SEC 31-T27N-R4W	
Site Centre Latitude:	36° 31' 29.382 N
Longitude:	107° 17' 45.810 W
Positional Uncertainty:	0.0
Convergence:	0.32
Local North:	Grid
REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well SJ 27-4 UNIT 58N, Grid North
Vertical (TVD) Reference:	RKB @ 7327.0ft
Section (VS) Reference:	Slot - (0.0N, 0.0E)
Measured Depth Reference:	RKB @ 7327.0ft
Calculation Method:	Minimum Curvature

WELL DETAILS: SJ 27-4 UNIT 58N

		Ground Level: 7313.0				
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2010726.06	657863.96	36° 31' 29.382 N	107° 17' 45.810 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SJ 27-4 58N ICP	4423.0	815.0	780.0	2011541.06	658643.96	36° 31' 37.398 N	107° 17' 36.198 W	Point
SJ 27-4 58N BHL	8522.0	815.0	780.0	2011541.06	658643.96	36° 31' 37.398 N	107° 17' 36.198 W	Circle (Radius: 150.0)

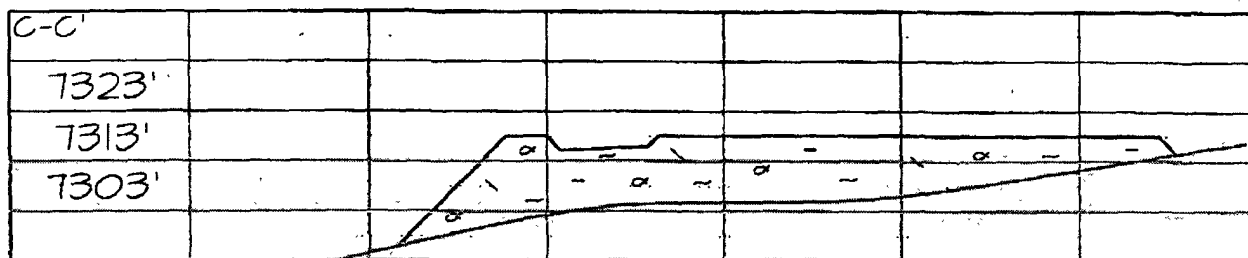


1. Section 1
 2. Section 2
 3. Section 3
 4. Section 4
 5. Section 5
 6. Section 6
 7. Section 7
 8. Section 8
 9. Section 9
 10. Section 10
 11. Section 11
 12. Section 12
 13. Section 13
 14. Section 14
 15. Section 15
 16. Section 16
 17. Section 17
 18. Section 18
 19. Section 19
 20. Section 20
 21. Section 21
 22. Section 22
 23. Section 23
 24. Section 24
 25. Section 25
 26. Section 26
 27. Section 27
 28. Section 28
 29. Section 29
 30. Section 30
 31. Section 31
 32. Section 32
 33. Section 33
 34. Section 34
 35. Section 35
 36. Section 36
 37. Section 37
 38. Section 38
 39. Section 39
 40. Section 40
 41. Section 41
 42. Section 42
 43. Section 43
 44. Section 44
 45. Section 45
 46. Section 46
 47. Section 47
 48. Section 48
 49. Section 49
 50. Section 50
 51. Section 51
 52. Section 52
 53. Section 53
 54. Section 54
 55. Section 55
 56. Section 56
 57. Section 57
 58. Section 58
 59. Section 59
 60. Section 60
 61. Section 61
 62. Section 62
 63. Section 63
 64. Section 64
 65. Section 65
 66. Section 66
 67. Section 67
 68. Section 68
 69. Section 69
 70. Section 70
 71. Section 71
 72. Section 72
 73. Section 73
 74. Section 74
 75. Section 75
 76. Section 76
 77. Section 77
 78. Section 78
 79. Section 79
 80. Section 80
 81. Section 81
 82. Section 82
 83. Section 83
 84. Section 84
 85. Section 85
 86. Section 86
 87. Section 87
 88. Section 88
 89. Section 89
 90. Section 90
 91. Section 91
 92. Section 92
 93. Section 93
 94. Section 94
 95. Section 95
 96. Section 96
 97. Section 97
 98. Section 98
 99. Section 99
 100. Section 100

[illegible]

**BURLINGTON RESOURCES OIL & GAS COMPANY, LP
SAN JUAN 27-4 UNE# 458N, 685' FSL & 1180' FWL
SECTION 31, T27N, R4W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 7313' DATE: JUNE 19, 2006**

DATUM: NAD1983



Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction