

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD JAN 24 '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 - 078425 Unit Reporting Number NMNM-784178-DK NMNM 78417A-AV	
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 29-7 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 Unit J (NWSE), 1730' FSL & 1510' FEL Unit P (SESE), 710' FSL & 625' FEL Latitude 36.679847 N. Longitude 107.554462 W. Latitude 36.677039 N. Longitude 107.551460 W.	10. Field, Pool, Wildcat Blanco Mesaverde/Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 34, T29N, R7W P Sec. 34, T29N, R7W API # 30-045-30448 039-	
14. Distance in Miles from Nearest Town 18 Miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1730'		
16. Acres in Lease 2080.000	17. Acres Assigned to Well MV/DK 320.00 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 51' from San Juan 29-7 Unit 530S		
19. Proposed Depth TVD 7903' / MVD 8195' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6685' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>12/31/07</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 1/22/08

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 Bond Numbers NMB-000015 and NMB-000089

HOLD C104 FOR Dr. Schmitt and
assigned @ 102 from NMDCO

NMDCO

JAN 25 2008
AV

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

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

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

DISTRICT II
1301 West 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 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised October 12, 2005

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

JAN 2 2008

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION

¹ API Number 30-039-30448	² Pool Code 72319/71599	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 60N
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6685'

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
J	34	29-N	7-W		1730'	SOUTH	1510'	EAST	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
P	34	29-N	7-W		710'	SOUTH	625'	EAST	RIO ARRIBA

¹² Dedicated Acres 320.00 E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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 34 SURFACE LAT: 36°40.7904' N. LONG: 107°33.2313' W. NAD 1927 LAT: 36.679847' N. LONG: 107.554462' W. NAD 1983 BOTTOM HOLE LAT: 36°40.6219' N. LONG: 107°33.0512' W. NAD 1927 LAT: 36.677038' N. LONG: 107.551460' W. NAD 1983	USA SF-078425 1510' 1730' 625' 710' N 89° 43' W 2840'	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 of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Jamie Goodwin</i> Signature Jamie Goodwin 9/29/2007 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. 9-27-07 Date of Survey <i>Glen W. Russell</i> Signature and Seal for Professional Surveyor: Certificate Number 15703
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May 27, 2004

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045- 30448

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease # USA - SF - 078425

7. Lease Name or Unit Agreement Name

San Juan 29-7 Unit

8. Well Number

#60N

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Dakota/Blanco Mesaverde

SUNDY 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 J : 1730' feet from the South line and 1510' feet from the East line
Section 34 Township 29N Rng 07W NMPM County Rio Arriba

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

6685'

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:

12

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

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

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

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 and pre-set mud pit will be lined 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 lined 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:

Jamie Goodwin

TITLE

Regulatory Technician

DATE

12/31/07

Type or print name

Jamie Goodwin

E-mail address:

goodwinj@conocophillips.com

Telephone No.

505-326-9784

For State Use Only

APPROVED BY



TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

JAN 25 2008

Conditions of Approval (if any):



TECHNICAL SERVICES
A CORROSION COMPANY

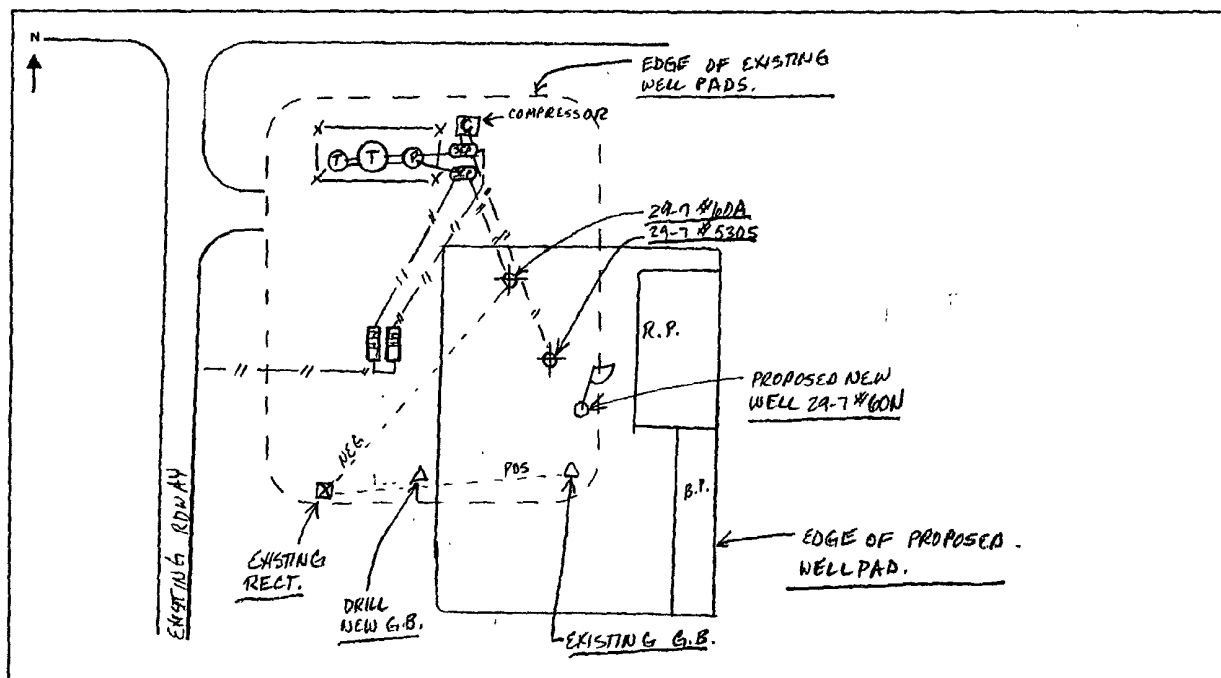
CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME S.P. 29-7 #60N

LEGALS J-34-29-7

COUNTY R.H.

PURPOSED C.P. SYSTEM: DRILL NEW G.B. BY EXISTING RECT. SET 3 CIRCUIT DIVIDER BOX @ RECT. TRENCH @ 200' * 8" NEAR FROM RECT TO W.H. #60N. ALSO TIE IN #530S WELL HAS NOT BEEN TIED TO RECT. YET.



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

COMMENTS: 40V-16A RECT ALREADY ON LOC. EXISTING WELL 29-7 #530S NOT HOOKED UP TO RECT YET.
DRILL NEW G.B. BY RECT. TO AVOID SHIELDING FROM EXISTING G.B. UPGRADE RECT OR PLACE CIRCUIT DIVIDER BOX @ RECT. (THERE MAY BE A POSSIBILITY EXISTING G.B. WILL BE DESTROYED BY RIG EQUIPMENT)

NEAREST POWER SOURCE RECT. ON LOC.

DISTANCE: _____

PIPELINES IN AREA: _____

TECHNICIAN: [Signature]

DATE: 10-20-07

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

RECT. 9.8V @ 3.6 A (only 60A hooked up to rect.)

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 60N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7202		AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				

Location: Surface		Datum Code: NAD 27		Note	
Latitude: 36.679840	Longitude: -107.553855	X:	Y:	Section: 34	Range: 007W
Footage X: 1510 FEL	Footage Y: 1730 FSL	Elevation: 6685	(FT)	Township: 029N	
Tolerance:					
Location: Bottom Hole		Datum Code: NAD 27		Note	
Latitude: 36.677032	Longitude: -107.550853	X:	Y:	Section: 34	Range: 007W
Footage X: 625 FEL	Footage Y: 710 FSL	Elevation:	(FT)	Township: 029N	
Tolerance:					

Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data:		Assume KB = 6697		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	215'	Remarks
Surface Casing	215	6482	☐				12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 169 cuft. Circulate cement to surface.
OJO ALAMO	2534	4163	☐				
KIRTLAND	2655	4042	☐				
FRUITLAND	3147	3550	☐				Possible Gas
PICTURED CLIFFS	3437	3260	☐				
LEWIS	3577	3120	☐				
Intermediate Casing	3900	2797	☐				8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 934 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4039	2658	☐				
CHACRA	4395	2302	☐				
MASSIVE CLIFF HOUSE	5067	1630	☐	500			Gas
MENEFEE	5227	1470	☐				
MASSIVE POINT LOOKOUT	5637	1060	☐				
MANCOS	5982	715	☐				
UPPER GALLUP	6842	-145	☐				
GREENHORN	7584	-887	☐				
GRANEROS	7644	-947	☐				
TWO WELLS	7687	-990	☐	1350			Gas
UPPER CUBERO	7802	-1105	☐				
LOWER CUBERO	7832	-1135	☐				
ENCINAL	7903	-1206	☐				
TOTAL DEPTH DK	7903	-1206	☐			10.5	6-1/4" Hole. 4-1/2", 10 6/11.6 ppf, J-55 STC/LTC casing. Cement with 546 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 60N

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
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Est bottom perf ~15' above TD. 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

Comments: Location/Tops/Logging - MVNM029N007W34SE2 DK 29N07W34SE2 Avoid J, no other twins, prefer P,I,O, some topo.

Zones - MVNM029N007W34SE2 DK 29N07W34SE2

General/Work Description - LEWIS INCLUDED
Directional Drill

ConocoPhillips or its affiliates

Survey Report

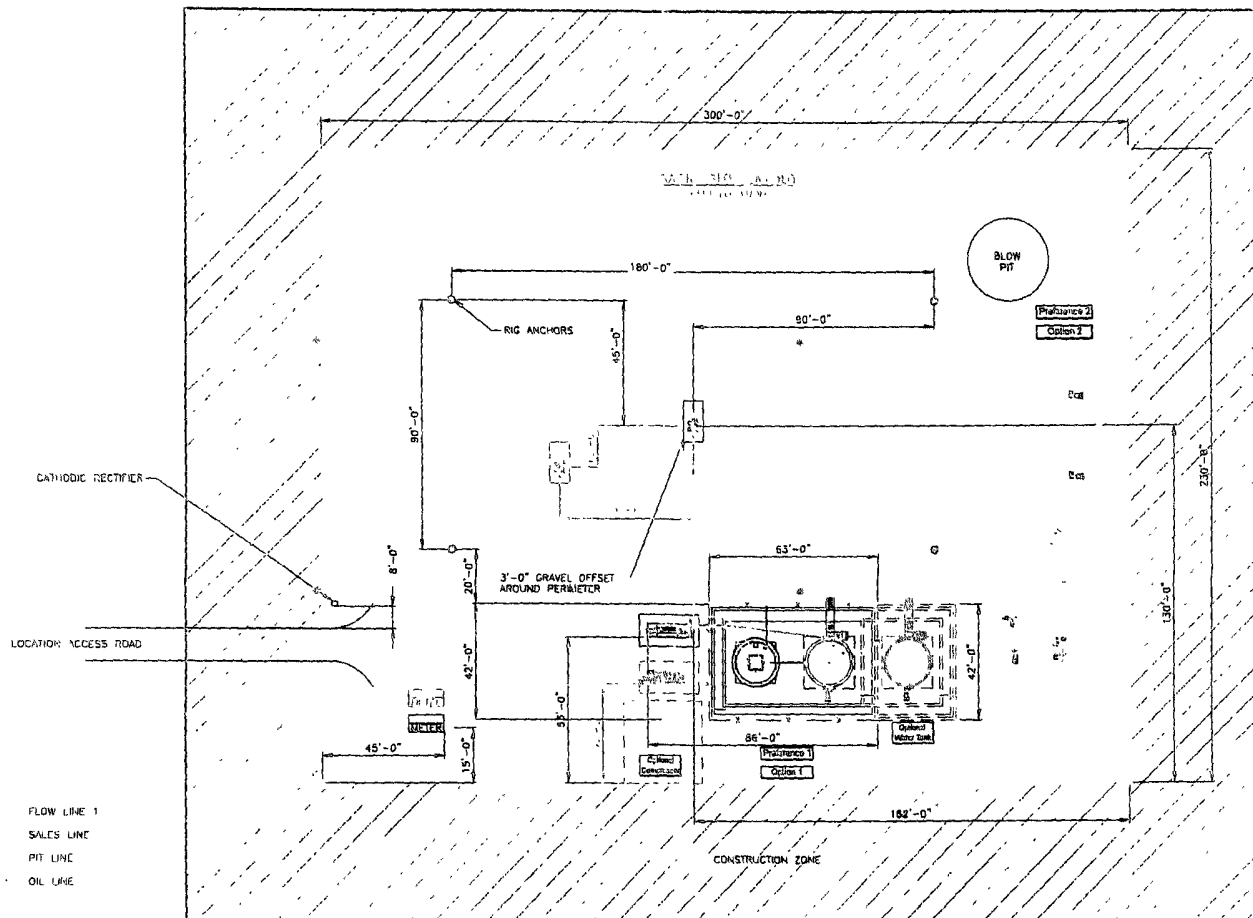
Company:	ConocoPhillips SJB	Local Co-ordinate Reference:	Well SJ 29-7 #60n
Project:	San Juan Basin	TVD Reference:	WELL @ 6700 0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6700 0ft (Original Well Elev)
Well:	SJ 29-7 #60n	North Reference:	True
Wellbore:	SJ 29-7 #60N	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Targets										
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Shape		(°)	(°)	(ft)	(ft)	(ft)	(m)	(m)		
SJ 29-7 #60N - PCP	- plan hits target	0 00	0 00	7,903 0	-1,020 0	885 0	-314 80	265 32	30° 59' 14 417 N	109° 25' 33 927 W
- Point										
SJ 29-7 #60N - ICP	- plan hits target	0 00	0 00	3,900 0	-1,020 0	885 0	-314 80	265 32	30° 59' 14 417 N	109° 25' 33 927 W
- Point										

Casing Points					
Measured Depth	Vertical Depth		Name	Casing Diameter	Hole Diameter
(ft)	(ft)			(in)	(in)
215 0	215 0	9 5/8"		9 625	12 250
4,192 0	3,900 0	7"		7 000	8 750
8,195 0	7,903 0	4 1/2"		4 500	6 250

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
2,731 0	2,534 0	Ojo Alamo		0 00		
2,867 0	2,655 0	Kirtland		0 00		
3,418 0	3,147 0	Fruitland		0 00		
3,724 4	3,437 0	Pictured Cliffs		0 00		
3,867 5	3,577 0	Lewis		0 00		
4,687 0	4,395 0	Chacra		0 00		
5,359 0	5,067 0	Massive Cliffhouse		0 00		
5,519 0	5,227 0	Menefee		0 00		
5,929 0	5,637 0	Pt Lookout		0 00		
6,274 0	5,982 0	Mancos		0 00		
7,134 0	6,842 0	Gallup		0 00		
7,876 0	7,584 0	Greenhorn		0 00		
7,936 0	7,644 0	Graneros		0 00		
7,979 0	7,687 0	Two Wells		0 00		
8,094 0	7,802 0	Upper Cubero		0 00		
8,124 0	7,832 0	Lower Cubero		0 00		
8,195 0	7,903 0	TD		0 00		
8,195 0	7,903 0	Encinal		0 00		

Checked By: _____ Approved By: _____ Date: _____



SEE SHEET 1 OF 5 FOR TYPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" DEEP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCO-PHILLIPS		HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT	
NO.	DATE	BY	CHKD	DATE	BY	CHKD	DATE	BY	CHKD	NO.	DESCRIPTION	SAN JUAN BUSINESS UNIT		CLIENT: Mr. [Name]	
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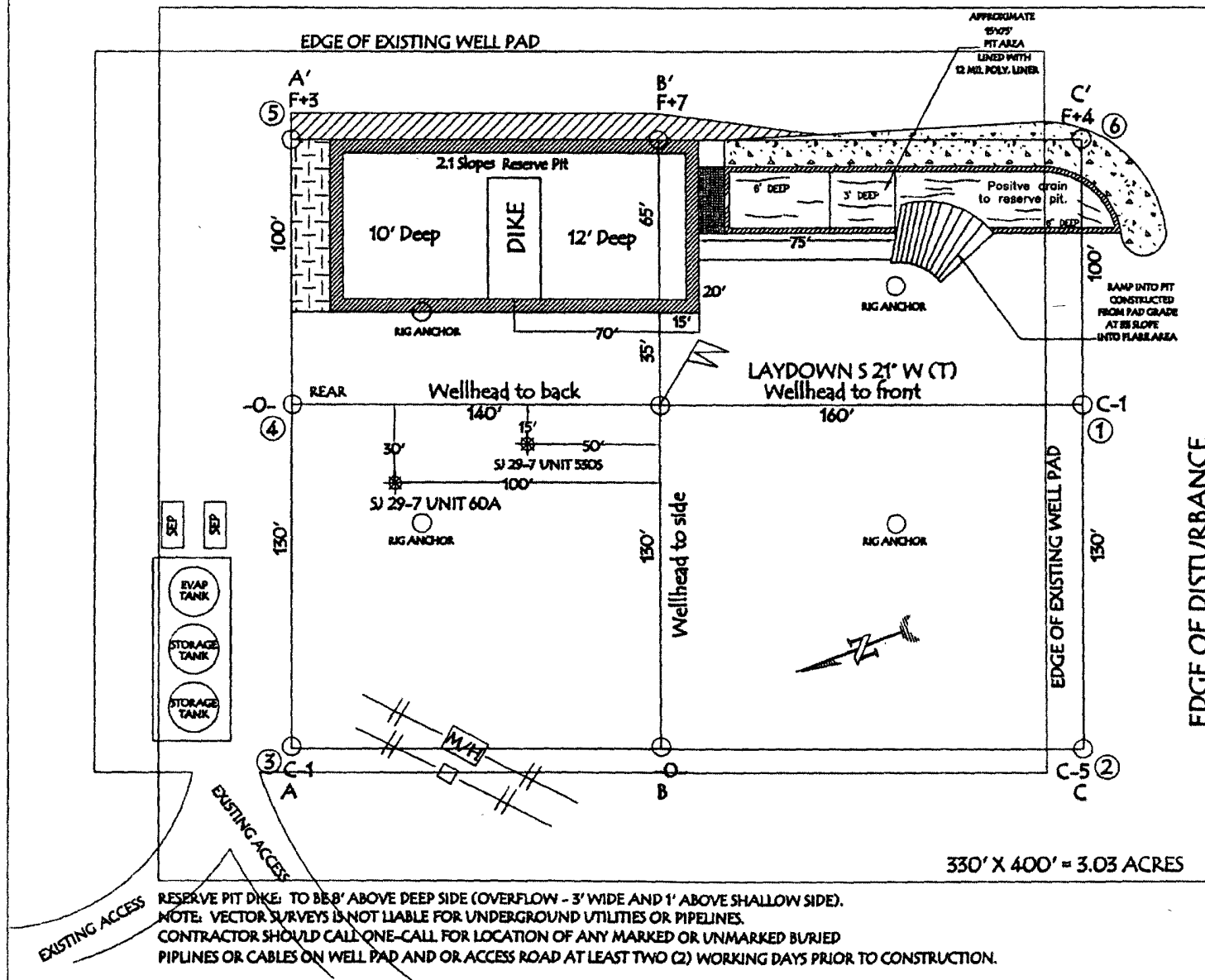
DESIGNED BY: [Name] DATE: [Date] CHECKED BY: [Name] DATE: [Date] DRAWN BY: [Name] DATE: [Date] PROJECT: [Project Name]

SAN JUAN BUSINESS UNIT

CONOCO-PHILLIPS
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM- SITE LAYOUT

CLIENT: Mr. [Name]
DESIGN: [Name]
DATE: [Date

BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 29-7 UNIT 60N, 1730' FSL & 1510' FEL
SECTION 34, T-29- N, R-7-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6685', DATE: SEPTEMBER 21, 2007

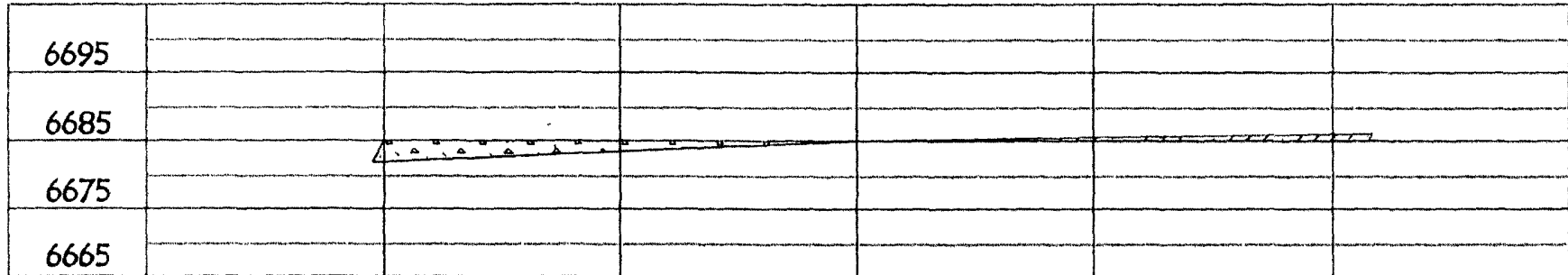


LATITUDE: 36° 40.7904' N
 LONGITUDE: 107° 53.2313' W NAD27

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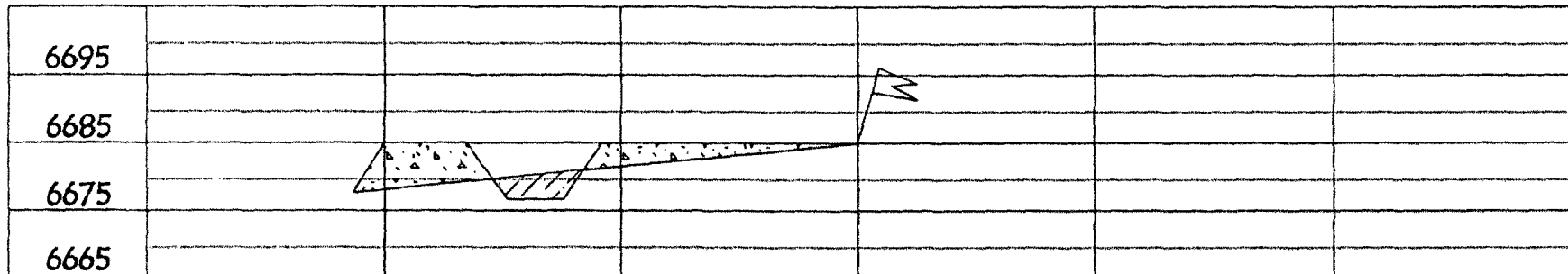
ELEV. A'-A

C/L



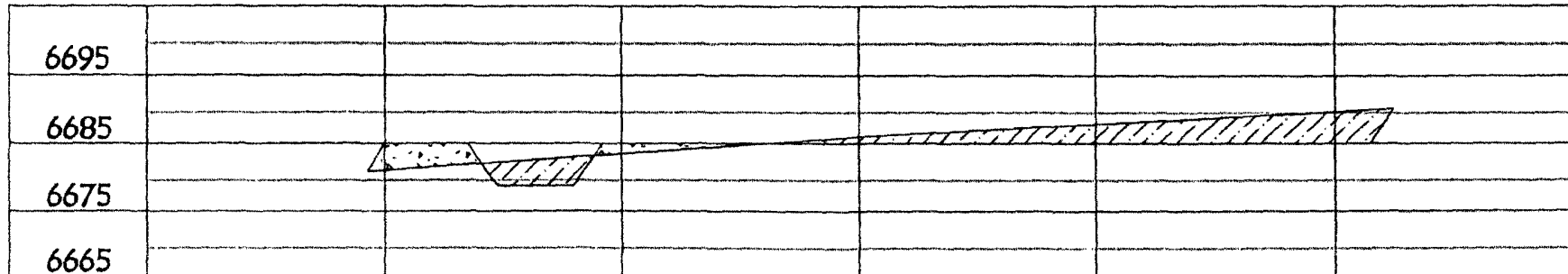
ELEV. B'-B

C/L



ELEV. C'-C

C/L



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 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.