

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD OCT 22 '07

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NMSF-078498 Unit Reporting Number NMNM-78413C-DK NMNM-78413A-MV
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips	7. Unit Agreement Name San Juan 28-7 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 Surface Location - Unit L, (NWSW), 1475' FSL & 1175' FWL, Bottomhole Location - Unit I (NESE), 1700' FSL & 200' FEL	9. Well Number #229F
11. Sec., Twn, Rge, Mer. (NMPM) Sec. 33, T28N, R07W, NMPM Sec. 32, T28N, R7W, NMPM API - 30-039- 30375	
12. County Rio Arriba	13. State NM
14. Distance in Miles from Nearest Town 20 miles from Blanco, NM	
15. Distance from Proposed Location to Nearest Property or Lease Line 200'	
16. Acres in Lease 1988.0 acres	17. Acres Assigned to Well DK & MV 315.68 1/2 E/2 Sec 32
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 51' from the SJ 28-7 #192M	
19. Proposed Depth 7282'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6228' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u><i>Patsy Clugst</i></u> Regulatory Specialist	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached
Environmental Assessment is 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.

TYPE 3 - See Master Operational Plan

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

BOND - ES-0048 & ES-0085

NMOCDO

OCT 30 2007

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

NOTIFY AZTEC OCT 24 11:30
PRIOR TO CASING & CEMENT

DISTRICT II
1301 West Grand Avenue, Artoato, N.M. 86210

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

DISTRICT ID
1000 The Graces Rd., Aztec, N.M. 87410

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

SEP 25 2007

Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30375		*Pool Code 72319/71599	*Pool Name BLANCO MESAVERDE/BASIN DAKOTA
*Property Code 31739	*Property Name SAN JUAN 20-7 UNIT		*Well Number 229F
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6228'

¹⁰ Surface Location

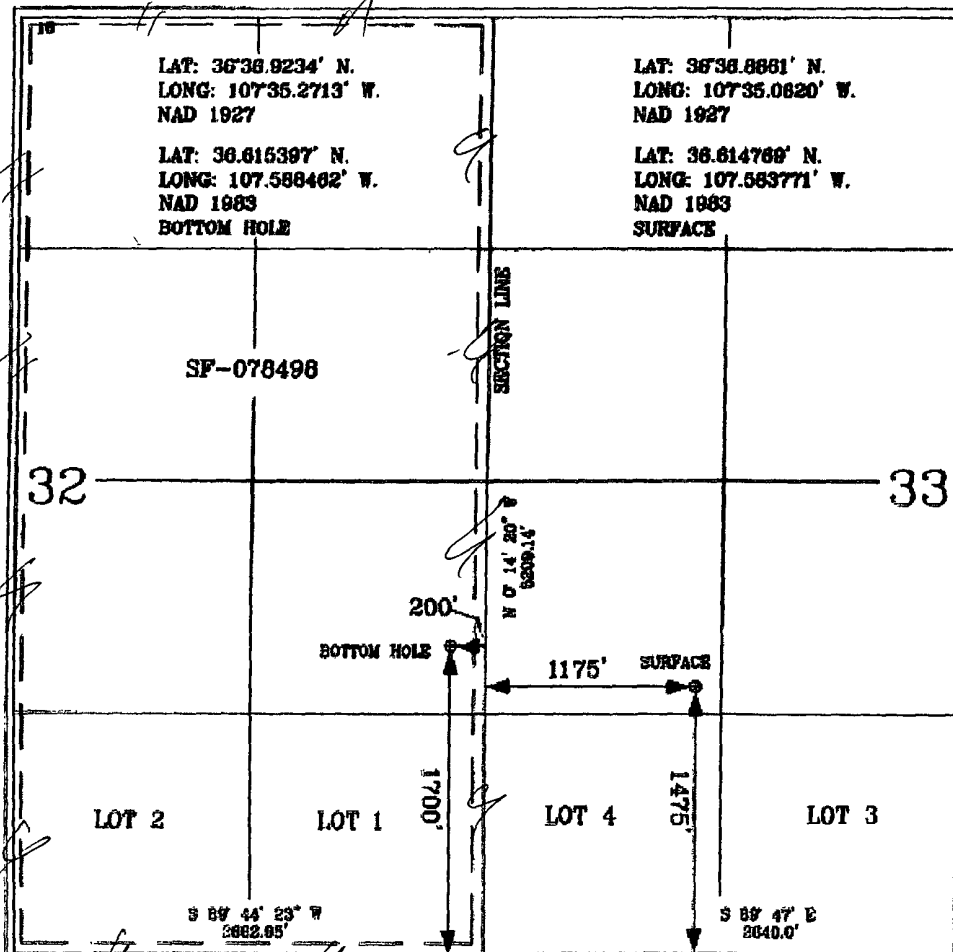
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	33	28-N	7-W		1475'	SOUTH	1175'	WEST	RIO ARriba

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
I	32	28-N	7-W		1700'	SOUTH	200'	EAST	RIO ARriba

¹³ Dedicated Acres	¹⁴ Joint or Infill	¹⁵ Consolidation Code	¹⁶ Order No.
315.68 (MV/DK)			

**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**



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 controlling interest or unshared 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 is a controlling interest in a well, pooling, leasehold or a compulsory pooling order heretofore entered by the Division.


Signature

AMANDA SANCHEZ
Printed Name

REGULATORY TECHNICIAN

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plot 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.

11-19-62
Date of Survey: _____
Signature: _____ of _____ Surveyor: _____



 15703

Certificate Number 15703

Energy, Minerals and Natural Resources

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

OIL CONSERVATION DIVISION

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

WELL API NO.

30-039- 30375

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

NMSF-078498

7. Lease Name or Unit Agreement Name

San Juan 28-7 Unit

8. Well Number

#229F

9. OGRID Number

217817

10. Pool name or Wildcat

Basin DK/Blanco MV

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

ConocoPhillips

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter L

:

1475'

feet from the

South

line and

1175'

feet from the

West

line

Section 33

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

6228' GL

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 ☐

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, Lined:

ConocoPhillips proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined pit 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

Patsy Clugston

TITLE

Regulatory Specialist

DATE 9/25/2007

Type or print name

Patsy Clugston

E-mail address:

clugspl@conocophillips.com

Telephone No.

505-326-9518

For State Use Only

APPROVED BY

[Signature]

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

OCT 30 2007

Conditions of Approval (if any):

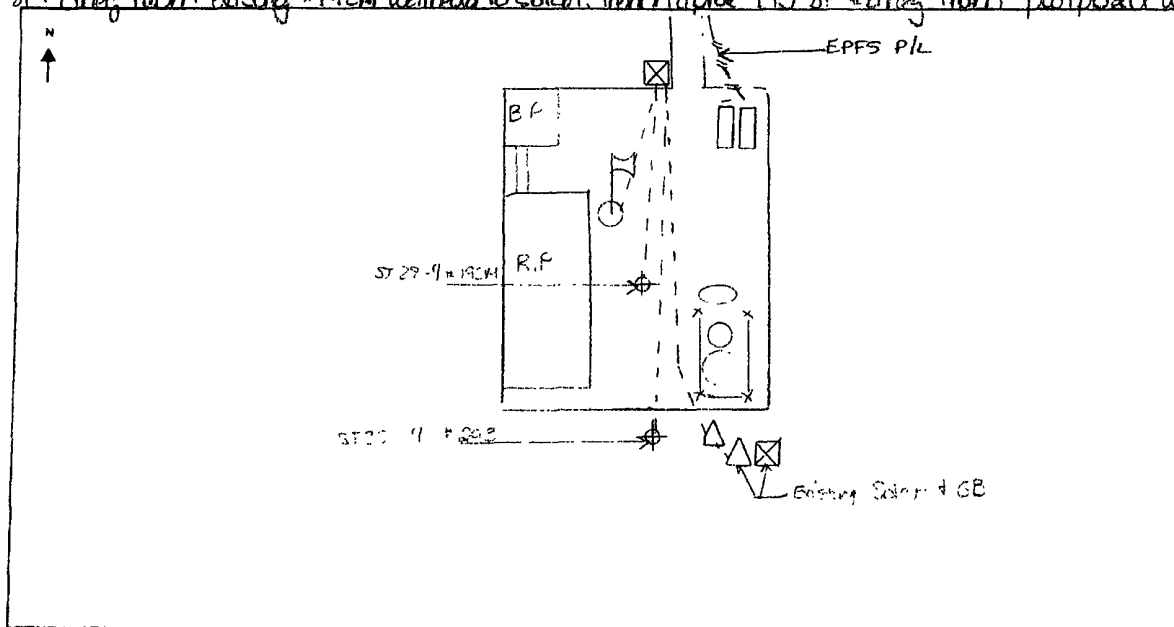


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME ST 28-7 #229F LEGALS 33 28-7 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB on W side of existing GB and tie into system. Relocate existing solar to outer N edge (W side of location). Trench approx 350' of positive from GB to solar. Trench approx 320' of #8 neg from existing #293 wellhead to solar. Trench approx 240' of #8 neg from existing #192M wellhead to solar. Trench approx 175' of #8 neg from proposed well to solar.



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

COMMENTS: Solar # FH-192 Amps $\rightarrow$ 9.7 Volts $\rightarrow$ 12.12 = 1.2 ohm GB
extra lig. on block in solar.

NEAREST POWER SOURCE N/A DISTANCE: _____

PIPELINES IN AREA: EPFS P/L

TECHNICIAN: H. H. H. H. H. DATE: 7/26/2007

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 229F

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7172		AFE \$:	
Field Name: 28-7		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Glaser, Terry J		Phone: (832)486-2332		Prod. Engineer: Fontenot, Jessie C	
Res. Engineer: Johnson, Tom B.		Phone: (832)-486-2347		Proj. Field Lead: Fransen, Eric E.	
				Phone: +1 832-486-3483	

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface		Datum Code: NAD 27		Deviated	
Latitude: 36.614761	Longitude: -107.583163	X:	Y:	Section: 33	Range: 007W
Footage X: 1175 FWL	Footage Y: 1475 FSL	Elevation: 6228	(FT)	Township: 028N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.615389	Longitude: -107.587854	X:	Y:	Section: 32	Range: 007W
Footage X: 200 FEL	Footage Y: 1700 FSL	Elevation:	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6242 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6042	☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface w/ 203 cu. ft..
NCMT	692	5550	☐			
OJAM	1862	4380	☐			Possible water flows.
KRLD	2012	4230	☐			
FRLD	2467	3775	☐			Possible gas.
PCCF	2792	3450	☐			
LEWS	2992	3250	☐			
CHRA	3732	2510	☐			
Intermediate Casing	4100	2142	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface w/ 979 cu. ft. .
CLFH	4342	1900	☐			Gas; possibly wet
MENF	4452	1790	☐			Gas.
PTLK	5007	1235	☐			Gas.
GLLP	6252	-10	☐			Gas. Possibly wet.
GRHN	6932	-690	☐			Gas possible, highly fractured
TWLS	7017	-775	☐			Gas
CBBO	7152	-910	☐			Gas TD 350' below Greenhorn top or 30' into Encinal.
TOTAL DEPTH DK	7282	-1040	☐	1800		6-1/4" Hole. 4-1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string w/ 436 cu. ft.. No open hole logs. Cased hole TDT with GR to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Production	28-7 229	SE32-28-7

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 229F

DEVELOPMENT

Production	28-7 192M	SW33-28-7
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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 Greenhorn to TD. Mudlogger will call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MVNM028N007W32SE2 AND DK 28N07W32SE2

Zones - Changed to vertical drill (no change of surface location)
MVNM028N007W32SE2 AND DK 28N07W32SE2

General/Work Description - 7/20/07 - Project changed to directional drill. see email attached - LM
NO LEWIS

The cost estimate to facilitate this well includes costs to tie into gathering system (\$50,000).

ConocoPhillips or its affiliates

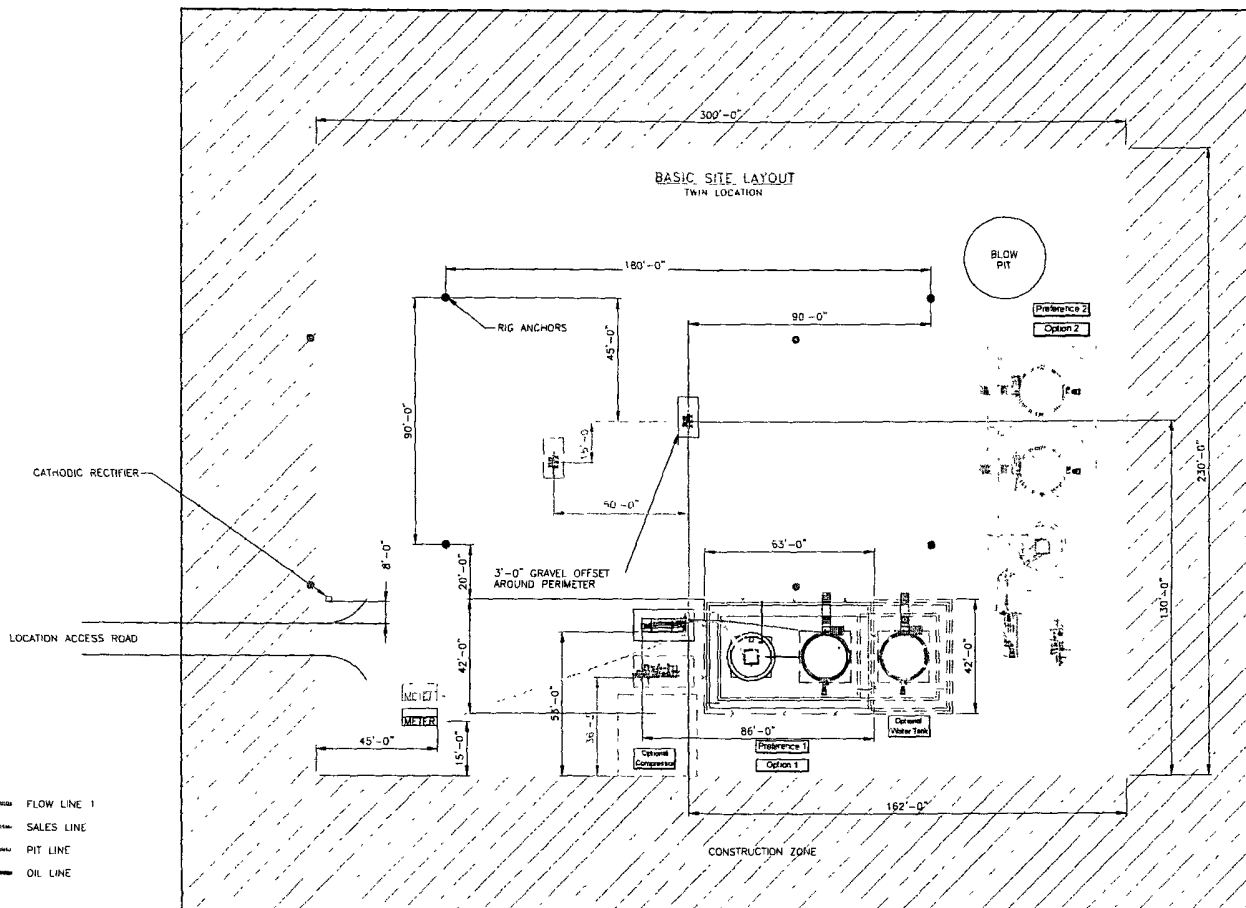
Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 28-7 #229F
Project:	San Juan Basin	TVD Reference:	WELL @ 6243.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6243.0ft (Original Well Elev)
Well:	SJ 28-7 #229F	North Reference:	True
Wellbore:	SJ 28-7 #229F	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(d)	(d)	(ft)	ft	ft	(m)	(m)		
- Shape									
SJ 28-7 #229F - ICP	0 00	0 00	4,100 0	225 0	-1,375 0	74 60	-418 16	30° 59' 26.739" N	109° 25' 59.890" W
- plan hits target									
- Point									
SJ 28-7 #229F - PCP	0 00	0 00	7,282 0	225 0	-1,375 0	74 60	-418 16	30° 59' 26.739" N	109° 25' 59.890" W
- plan hits target									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(d)	(d)	
693 9	692 0	Nacimiento		0 00		
1,966 6	1,862 0	Ojo Alamo		0.00		
2,133 3	2,012 0	Kirtland		0 00		
2,639 0	2,467 0	Fruitland		0.00		
3,000 2	2,792 0	Pictured Cliffs		0 00		
3,222.5	2,992 0	Lewis		0 00		
4,019 8	3,732 0	Chacara		0 00		
4,632.1	4,342 0	Cliffhouse		0.00		
4,742 1	4,452 0	Menefee		0.00		
5,297.1	5,007 0	Pt Lookout		0 00		
6,542 1	6,252.0	Gallup		0 00		
7,222 1	6,932 0	Greenhorn		0.00		
7,307 1	7,017 0	Two Wells		0.00		
7,442 1	7,152 0	Upper Cubero		0.00		
7,572 1	7,282 0	TD		0.00		

Checked By. _____	Approved By _____	Date: _____
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SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN OF 3'-0" TOP

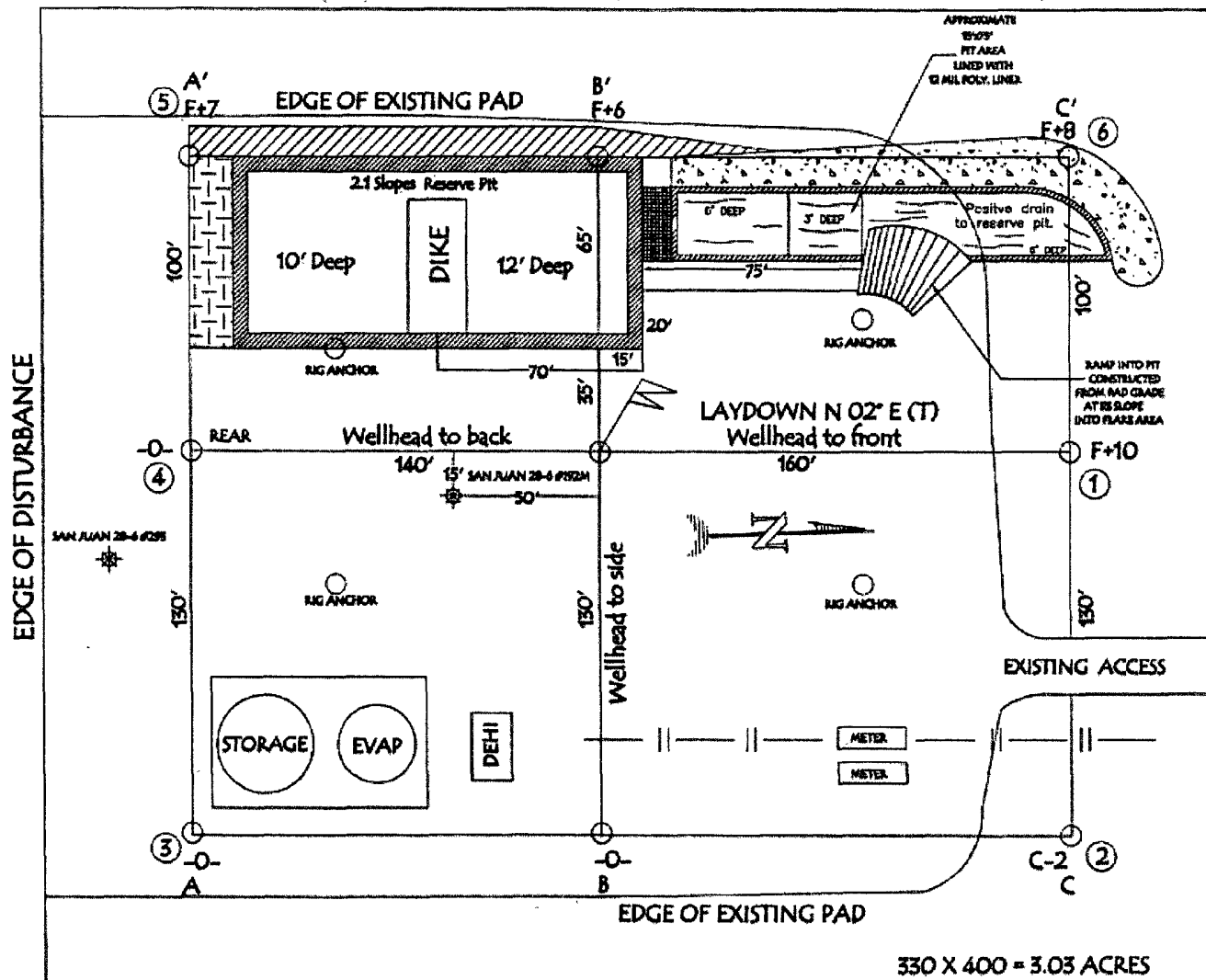
SHEET 1 OF 2

										ENGINEERING REVIEW			REFERENCE DRAWINGS		 CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
										DISCIPLINE	REVIEWED	DATE	NO	DESCRIPTION				
										PROCESS								
										MECHANICAL								
										PIPING								
										ELECTRICAL								
										I & C								
										CIVIL/STRUCTURAL								
										PROJECT								
DESCRIPTION										DATE	BY	CHK'D	ENG	DEC	PRJ	SAN JUAN BUSINESS UNIT		
																CLIENT NO. CLIENT APPR. APPR. DATE		
																SCALE: NONE CREATION DATE: 6/20/07		
																DRAWN BY: SHEET NO. 1 OF 5		
																HP3PHASE-REV1		

\\hp3phases\1\Users\Regulatory\Twin Location Site Layout.dwg, 06/28/2007 - 02:39pm

CONOCOPHILLIPS COMPANY
 SAN JUAN 28-7 229F, 1475' FSL & 1175' FWL
 SECTION 33, T-28- N, R-7-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6228', DATE: NOVEMBER 3, 2006

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
 BLOW PIT: OVERFLOW PIPE 4' ABOVE BOTTOM OF BLOW PIT.



LATITUDE: 36° 36.8861'N LONGITUDE: 107° 35.0620'W NAD27

NOTE: VECTOR SURVEYS LLC 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.

CONOCOPHILLIPS COMPANY

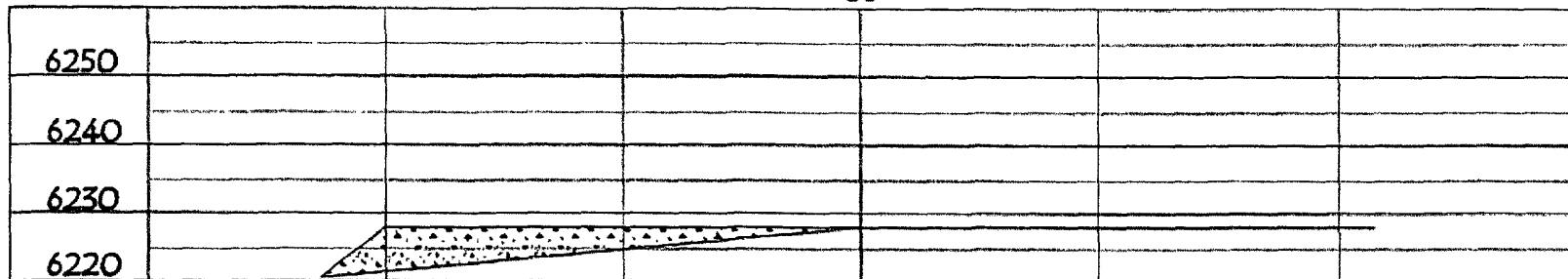
SAN JUAN 28-7 229F, 1475' FSL & 1175' FWL

SECTION 33, T-28- N, R-7-W, NMPM, RIO ARriba COUNTY, NM

GROUND ELEVATION: 6228', DATE: NOVEMBER 3, 2006

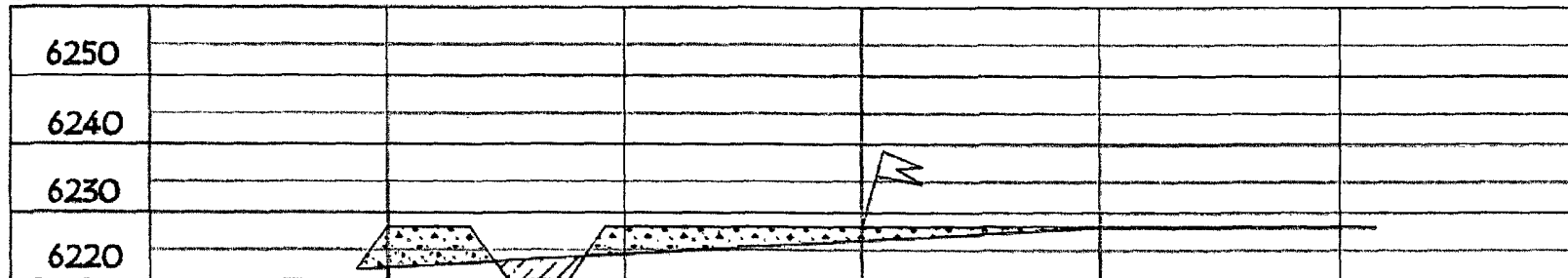
ELEV. A'-A

CL



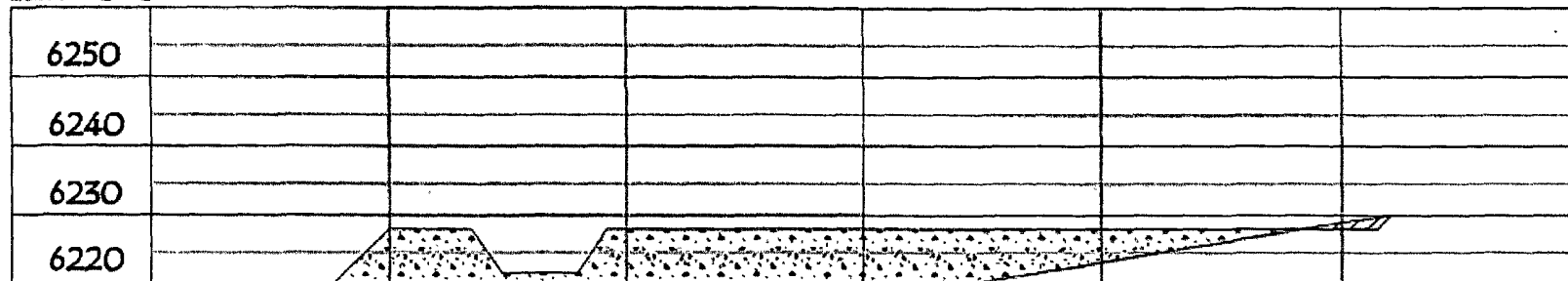
ELEV. B'-B

CL



ELEV. C'-C

CL



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PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.