

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

OCT 22 2007

1a. Type of Work  
DRILL

5. Lease Number  
SF-078570

Unit Reporting Number

NMNM-78413A-MV NMNM-78413C-BK

1b. Type of Well  
GAS

Bureau of Land Management  
Farmington Field Office

6. If Indian, All. or Tribe

RCVD NOV 15 '07

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

9. Well Number  
#184F

DIST. 3

4. Location of Well  
Unit F (SENW), 2145' FNL & 2085' FWL,  
  
Latitude 36.58988 N  
Longitude 107.58151 W

10. Field, Pool, Wildcat  
Basin DK/Blanco MV  
11. Sec., Twn, Rge, Mer. (NMPM)  
F Sec. 9, T27N, R7W

API # 30-039-30407

14. Distance in Miles from Nearest Town  
21 miles to Blanco

12. County  
Rio Arriba

13. State  
NM

15. Distance from Proposed Location to Nearest Property or Lease Line  
560'

16. Acres in Lease  
640.00

17. Acres Assigned to Well  
DK & MV - 320 - (W/2)

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease  
1540' to San Juan 28-7 #184M.

19. Proposed Depth  
7850'

20. Rotary or Cable Tools  
Rotary

21. Elevations (DF, FT, GR, Etc.)  
6845' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program  
See Operations Plan attached

24. Authorized by: Sasha Spangler  
Sasha Spangler (Regulatory Technician)

10-22-07  
Date

PERMIT NO.

APPROVAL DATE

APPROVED BY Wayne Townsend

TITLE

Acting AFM

DATE

11/13/07

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 ES-0048 and ES-0085

NMOCD NOV 20 2007

# RECEIVED

OCT 22 2007

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 & Natural Resources Department

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

Bureau of Land Management  
Farmington Field Office  
Revised October 12, 2005  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30407		*Pool Code 72319 / 71599		*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code 31739		*Property Name SAN JUAN 28-7 UNIT			*Well Number 184F
*OGRID No. 217817		*Operator Name CONOCOPHILLIPS COMPANY			*Elevation 6845'

### 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
F	9	27N	7W		2145	NORTH	2085	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
F									
12 Dedicated Acres 320.0 Acres - (W/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

<p>16</p>		<p>17 OPERATOR CERTIFICATION</p> <p>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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Kandis Roland</i> 4/14/07 Signature Date Kandis Roland Printed Name</p>
		<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey: APRIL 19, 2007</p> <p>Signature and Seal of Professional Surveyor</p> <div style="text-align: center;"> </div> <p><i>Jason C. Edwards</i> Certificate Number 15269</p>

District I

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District II

1301 W. Grand Ave., Artesia, NM 88210

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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- 30407
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	SF-078570
7. Lease Name or Unit Agreement Name	San Juan 28-7 Unit
8. Well Number	#184F
9. OGRID Number	217817
10. Pool name or Wildcat	Blanco Mesaverde/Basin Dakota

**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 Company

3. Address of Operator  
3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location  
Unit Letter F : 2145' feet from the North line and 2085' feet from the West line  
Section 9 Township 27N Rng 7W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6845'

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:

ConocoPhillips proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on ConocoPhillips' interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in ConocoPhillips' General Plan dated June 2005 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. ConocoPhillips anticipates closing these pits according to the November 1, 2004 Guidelines.

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 Sasha Spangler TITLE Regulatory Technician DATE 10/19/2007

Type or print name Sasha Spangler E-mail address: spngs@concophillips.com Telephone No. 505-326-9568

**For State Use Only**

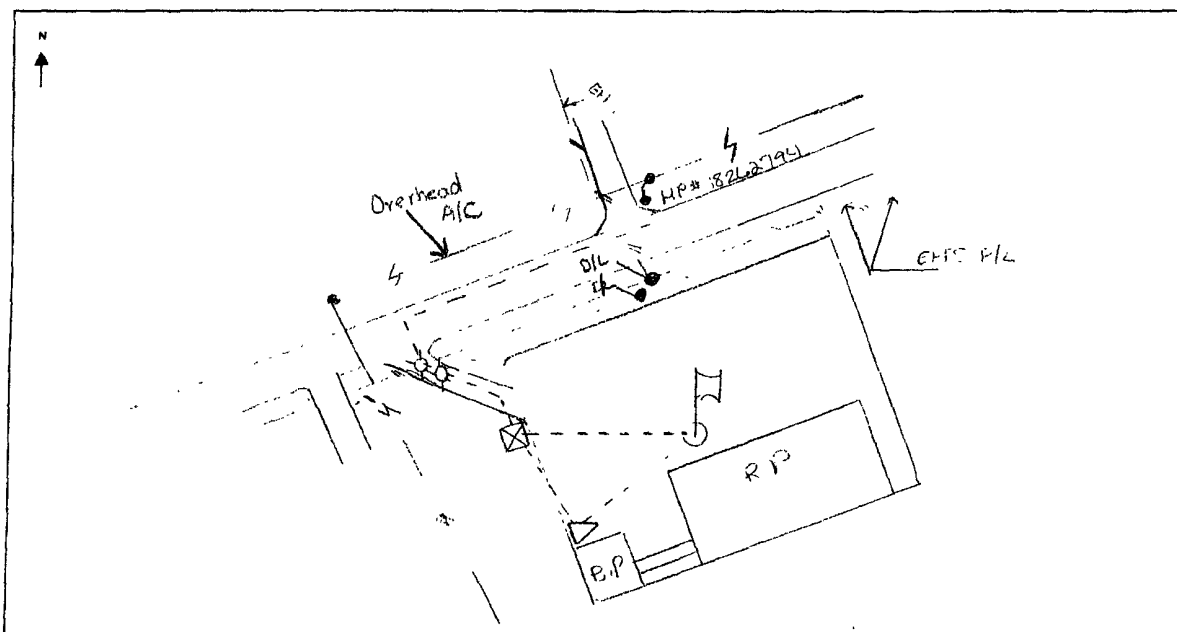
APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, DATE NOV 20 2007  
Conditions of Approval (if any): District #3



## CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 26-7 #1841 LEGALS F. 9-27-7 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB on SW edge of location. Set rectifier on W edge (S side of access). Trench approx 100' of A/C from existing HP #18262794 to rectifier. Trench approx 200' of #8 neg from proposed well to rectifier.



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

COMMENTS: 2 P/L x ingo

NEAREST POWER SOURCE OVAC HP #18262794 DISTANCE: 600'  
PIPELINES IN AREA: EPFA x 2

TECHNICIAN: Mark Hargrett DATE: 3/26/12

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 184F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7080				AFE \$:	
Field Name: 28-7		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:		Phone:	
<b>Primary Objective (Zones):</b>							
<b>Zone</b>	<b>Zone Name</b>						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
<b>Location:</b> Surface		<b>Datum Code:</b> NAD 27				<b>Straight Hole</b>	
Latitude: 36.589864		Longitude: -107.580902		X:	Y:	Section: 09	Range: 007W
Footage X: 2085 FWL		Footage Y: 2145 FNL		Elevation: 6845 (FT)		Township: 027N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2007		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6861 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	320	6541	<input type="checkbox"/>			Severe lost circulation is possible. 12-1/4" Hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 244 cu ft. Circulate cement to surface. Will test to 500 psi.	
OJAM	2550	4311	<input type="checkbox"/>			Possible water flows	
KRLD	2669	4192	<input type="checkbox"/>				
FRLD	2929	3932	<input type="checkbox"/>			Possible gas	
PCCF	3346	3515	<input type="checkbox"/>				
LEWS	3488	3373	<input type="checkbox"/>				
CHRA	4315	2546	<input type="checkbox"/>				
CLFH	5039	1822	<input type="checkbox"/>	200		Gas; possibly wet	
MENF	5141	1720	<input type="checkbox"/>			Gas	
Intermediate Casing	5291	1570	<input type="checkbox"/>			8-3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 1186 cu ft. Circulate cement to surface. Will test to 1500 psi.	
PTLK	5619	1242	<input type="checkbox"/>			Gas	
MNCS	5993	868	<input type="checkbox"/>				
GLLP	6782	79	<input type="checkbox"/>				
GRHN	7531	-670	<input type="checkbox"/>			Gas possible, highly fractured	
GRANEROS	7592	-731	<input type="checkbox"/>				
TWLS	7639	-778	<input type="checkbox"/>	1500		Gas	
CBBO	7756	-895	<input type="checkbox"/>			Gas	
CBRL	7783	-922	<input type="checkbox"/>				
ENCINAL	7850	-989	<input type="checkbox"/>			TD T/ENCN	
Total Depth	7850	-989	<input type="checkbox"/>			6-1/4" Hole. 4-1/2", 10.5 ppf, J-55, STC casing. Cement with 353 cu ft. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.	
<b>Reference Wells:</b>							
<b>Reference Type</b>	<b>Well Name</b>		<b>Comments</b>				
Production	28-7 #184M		NW 9-27N-7W				

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 184F

DEVELOPMENT

## Logging Program:

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

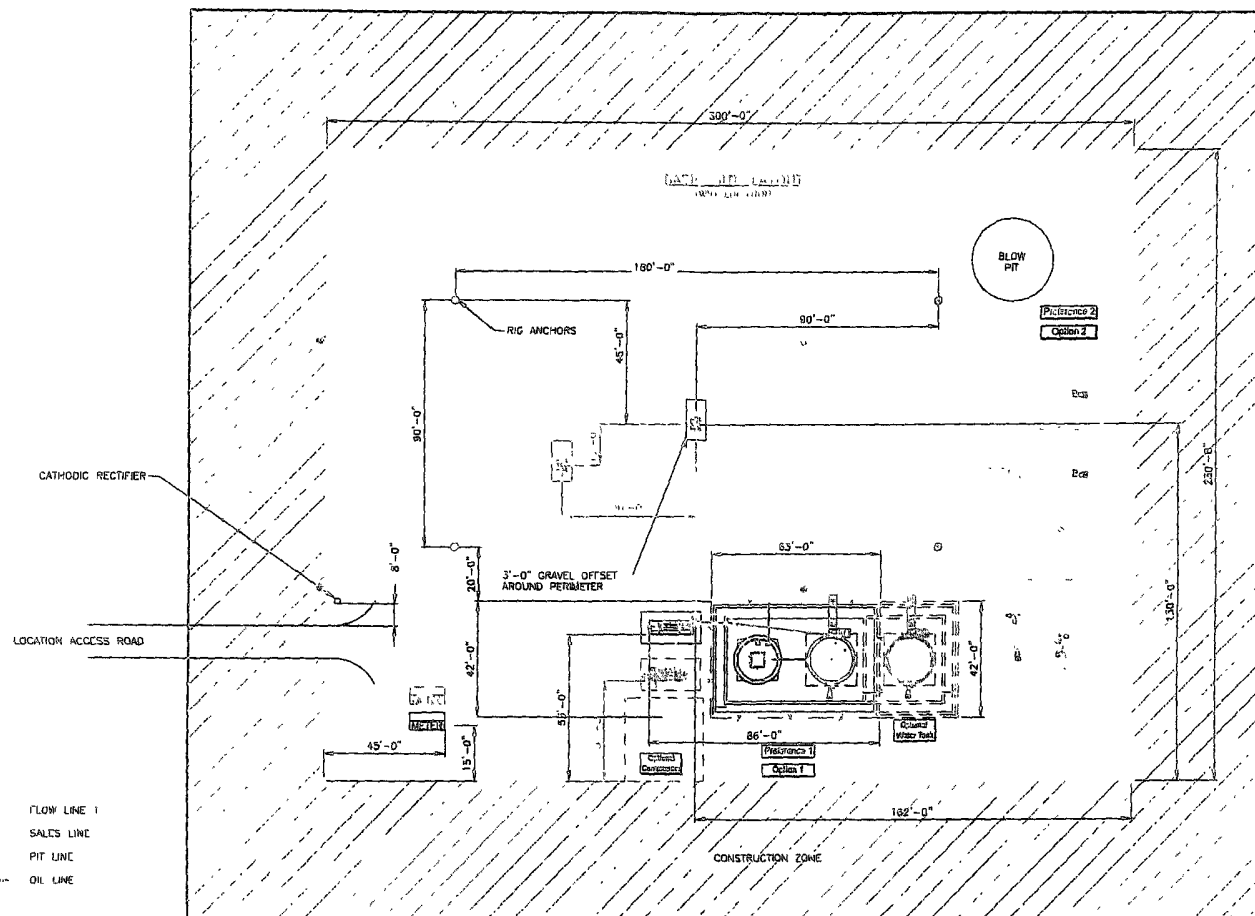
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR\_CBL

## Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MVNM027N007W09NW2 DK 27N07W09NW2 Prefer F,C,E - avoid D due to existing well - no twin options.



SEE SHEET J.C. FOR PAVING DETAILS.  
ALL UNDERGROUND PIPING IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 2

ENGINEERING REVIEW							REFERENCE DRAWINGS		CONOCO PHILLIPS			
NO.	DESCRIPTION	DATE	BY	CHK'D	ENG	DES	FILE	DESCRIPTION	SAN JUAN BUSINESS UNIT			
									HIGH PRESSURE 3 PHASE			
									FACILITY DIAGRAM- SITE LAYOUT			
									CLIENT No.			
									CLIENT ACR.			
									PROJECT NO.			
									STYLE NO.			
									DATE			
									REV. No.			
									HP3PHASE-REV1			
									1 OF 5			

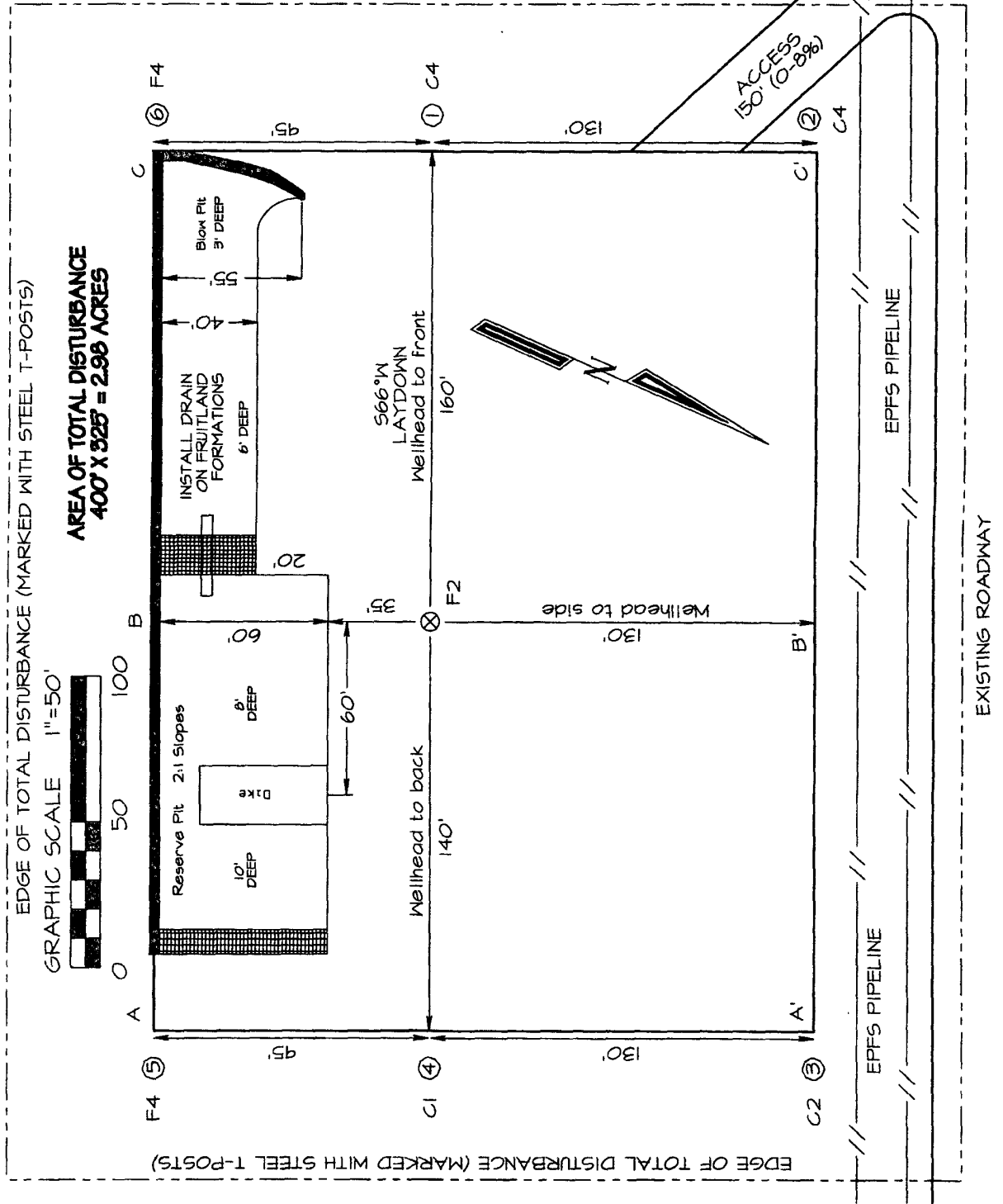
Project: San Juan Business Unit Location Site Layout, 06/28/2007 - 08/09/07

CONOCOPHILLIPS COMPANY SAN JUAN 28-7 UNIT #184F  
 2145' FNL & 2085' FWL, SECTION 9, T27N, R7W, NMPM  
 RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6845'

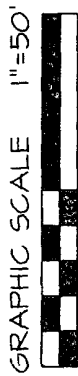
NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.  
 CONTRACTOR SHOULD ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND  
 UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

LATITUDE: 36°35.3923'N  
 LONGITUDE: 107°34.8541'W  
 DATUM: NAD1927

~ SURFACE OWNER ~  
 Bureau of Land Management



AREA OF TOTAL DISTURBANCE  
 400' X 325' = 2.98 ACRES



EDGE OF TOTAL DISTURBANCE (MARKED WITH STEEL T-POSTS)

EDGE OF TOTAL DISTURBANCE (MARKED WITH STEEL T-POSTS)

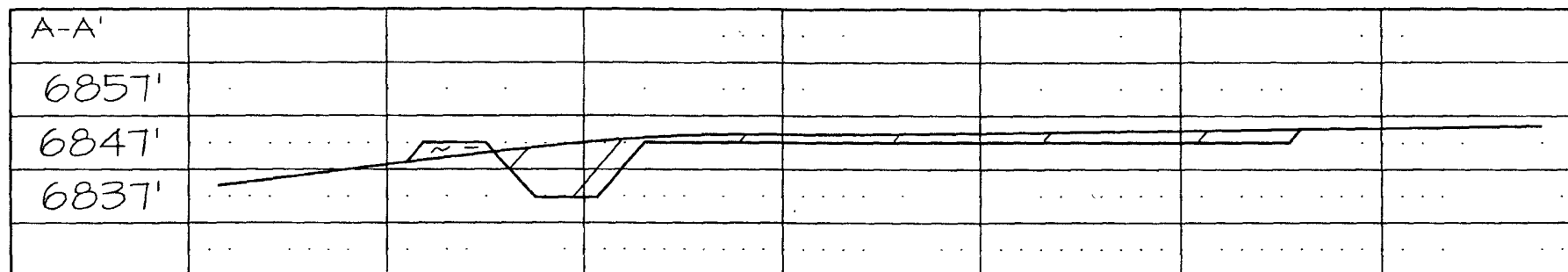


CONOCOPHILLIPS COMPANY SAN JUAN 28-7 UNIT #184F  
 2145' FNL & 2085' FWL, SECTION 9, T27N, R7W, NMPM  
 RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6845'

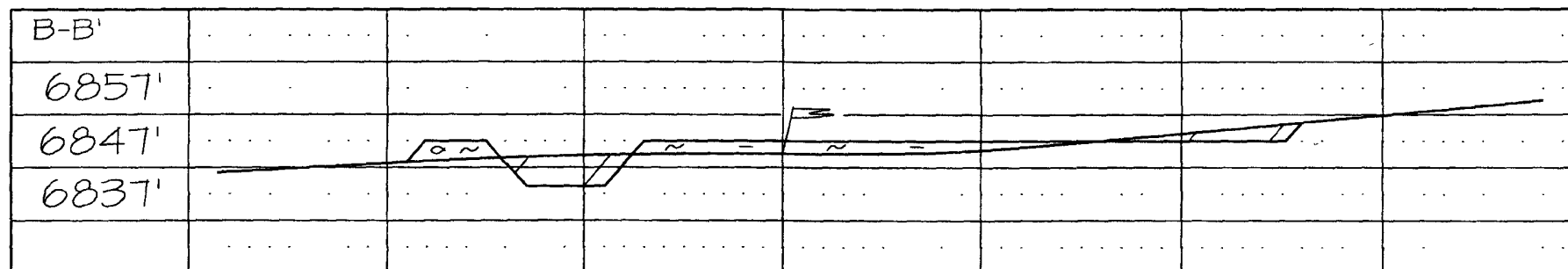
HORIZONTAL SCALE 1"=40'

C/L

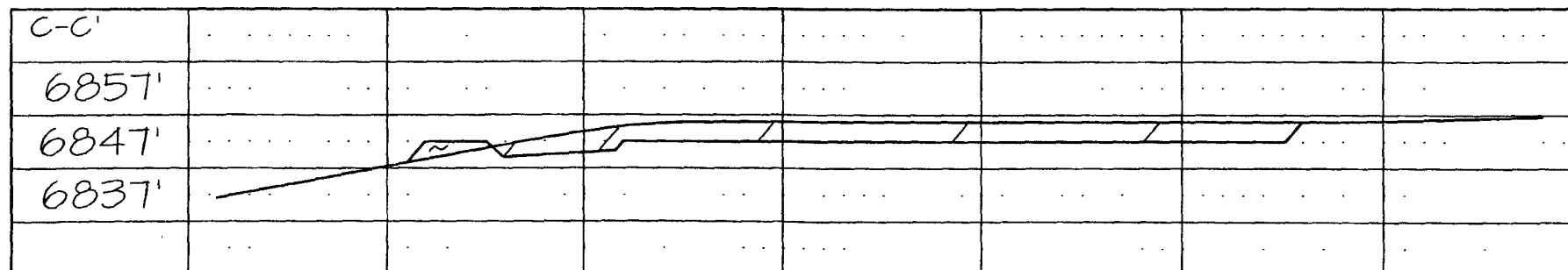
VERTICAL SCALE 1"=30'



C/L



C/L



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