

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

1a. Type of Work DRILL	RECEIVED OCT 22 2007 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078417 Unit Reporting Number RCVD NOV 15 '07
1b. Type of Well GAS		6. If Indian, All. or Tribe OIL CONS. DIV. DIST. 8
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 San Juan 28-7 Unit 9. Well Number #134G
4. Location of Well Surf: Unit D (NWNW), 890' FNL & 895' FWL, BH: Unit F (SENW), 1920' FNL & 2000' FWL, Surf: Latitude 36° 39.0909 N Longitude 107° 35.0516 W BH: Latitude 36° 38.9210 N Longitude 107° 34.8255 W		10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) D Sec. 21, T28N, R7W API # 30-039-30408
14. Distance in Miles from Nearest Town 17 miles from Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 890'		
16. Acres in Lease 2160.000		17. Acres Assigned to Well DK & MV - 320.00- (W/2)
18. Distance from Proposed Location to Nearest Well, Drig. Compl. or Applied for on this Lease 50' from San Juan 28-7 #48A PC/FC, MV		
19. Proposed Depth 7193' TVD 7499' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6025' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)		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

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

NMOCD NOV 20 2007

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



H.S. POTENTIAL EXIST

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

RECEIVED
Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
Bureau of Land Management
Farmington Field Office
UNDEVELOPED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30408	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 31739	*Property Name SAN JUAN 28-7 UNIT	*Well Number 134G
*OGRID No 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 6025'

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
D	21	28N	7W		890	NORTH	895	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	21	28N	7W		1920	NORTH	2000	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 5280.00' 895' 1740' 1920' 2000' 1730' 5280.00' 5276.04' 21 LEASE SF-078417 LEASE FEE 17 SURFACE LOCATION LAT: 36°55'15.2" N LONG: 107°58'48.0" W DATUM: NAD83 LAT: 36°39'09.09" N LONG: 107°35'05.16" W DATUM: NAD27 18 BOTTOM-HOLE LOCATION LAT: 36°38'38.92" N LONG: 107°34'42.55" W DATUM: NAD27 S47°09'36"E 1511.5'	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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division <i>Kandis Roland</i> 10/1/07 Signature Date Kandis Roland 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 Date of Survey: APRIL 25, 2007 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269
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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- 30408

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

SF-078417

7. Lease Name or Unit Agreement Name

San Juan 28-7 Unit

8. Well Number

#134G

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 D : 890' feet from the North line and 895' feet from the West line
Section 21 Township 28N Rng 7W NMPM County Rio Arriba

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

6025'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:

1

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, 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

10/18/2007

Type or print name

Sasha Spangler

E-mail address: spangs@conocophillips.com

Telephone No.

505-326-9568

For State Use Only

APPROVED BY

[Signature]

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

NOV 20 2007

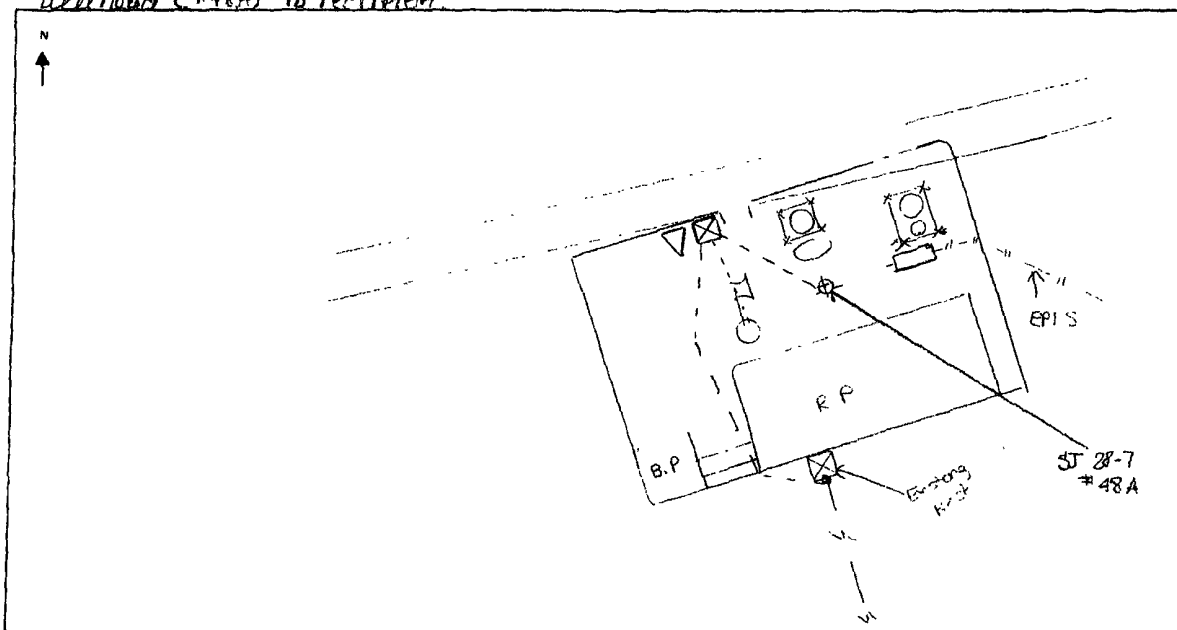
Conditions of Approval (if any):



CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME ST 28-7 #1306 LEGALS D-21-28-7 COUNTY Bellevue

PURPOSED C.P. SYSTEM: Drill GB on NW edge of location. Relocate & upgrade rectifier to NW edge. Trench approx 200' of A/C from service pole to new rectifier. Trench approx 150' of #8 steel cable from proposed well to rectifier. Trench approx 185' of #8 neg from existing wellhead (#48A) to rectifier.



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

COMMENTS: _____

NEAREST POWER SOURCE Overhead A/C DISTANCE: same ind
 PIPELINES IN AREA: E.P.S. P/L

TECHNICIAN: April G. Johnson DATE: 7/20/07

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 134G

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7101				AFE \$:	
Field Name: 28-7		Rig: Aztec Rig 711		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:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
R20002	MESAVERDE(R20002)						
Location: Surface Datum Code: NAD 27 Deviated							
Latitude: 36.651513		Longitude: -107.584192		X:	Y:	Section: 21	Range: 007W
Footage X: 895 FWL		Footage Y: 890 FNL		Elevation: 6025 (FT)	Township: 028N		
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Deviated							
Latitude: 36.648683		Longitude: 107.580425		X:	Y:	Section: 21	Range: 007W
Footage X: 2000 FWL		Footage Y: 1920 FNL		Elevation: (FT)	Township: 028N		
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6041		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	5841	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.	
OJAM	1792	4249	☐				
KRLD	1898	4143	☐				
FRLD	2230	3811	☐			Possible Gas	
PCCF	2663	3378	☐				
LEWS	2796	3245	☐				
CHRA	3624	2417	☐				
MASSIVE CLIFF HOUSE	4304	1737	☐	420		Gas ^{23 ppf}	
Intermediate Casing	4454	1587	☐			8 3/4" Hole. 7 1/20 ppf, J-55, STC Casing. Cement with 1062 cuft. Circulate cement to surface.	
MENF	4463	1578	☐				
PTLK	4883	1158	☐				
MNCS	5327	714	☐				
GLLP	6099	-58	☐				
GRHN	6839	-798	☐				
GRRS	6906	-865	☐				
TWLS	6944	-903	☐	2265		Gas	
CBRO	7039	-998	☐				
CBRL	7066	-1025	☐				
ENCINAL	7163	-1122	☐				
TD	7193	-1152	☐			TD 30' below T/ENCN ^{10.5}	
TOTAL DEPTH DK	7193	-1152	☐			6-1/4" Hole. 4-1/2", 10.6 11.6 ppf, J-55 STC/LTC casing. Cement with 377 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

ConocoPhillips or its affiliates

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 28-7 #134G
Project:	San Juan Basin	TVD Reference:	WELL @ 6040 0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6040 0ft (Original Well Elev)
Well:	SJ 28-7 #134G	North Reference:	True
Wellbore:	SJ 28-7 #134G	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 #134G - ICP	0 00	0 00	4,454 0	-1,030 0	1,105 0	-318 81	332 33	30° 59' 14 318" N	109° 25' 31 400" W
- plan hits target									
- Point									
SJ 28-7 #134G - PCP	0 00	0 00	7,193.0	-1,030 0	1,105 0	-318 81	332 33	30° 59' 14.318" N	109° 25' 31 400" W
- plan hits target									
- Point									

Formations

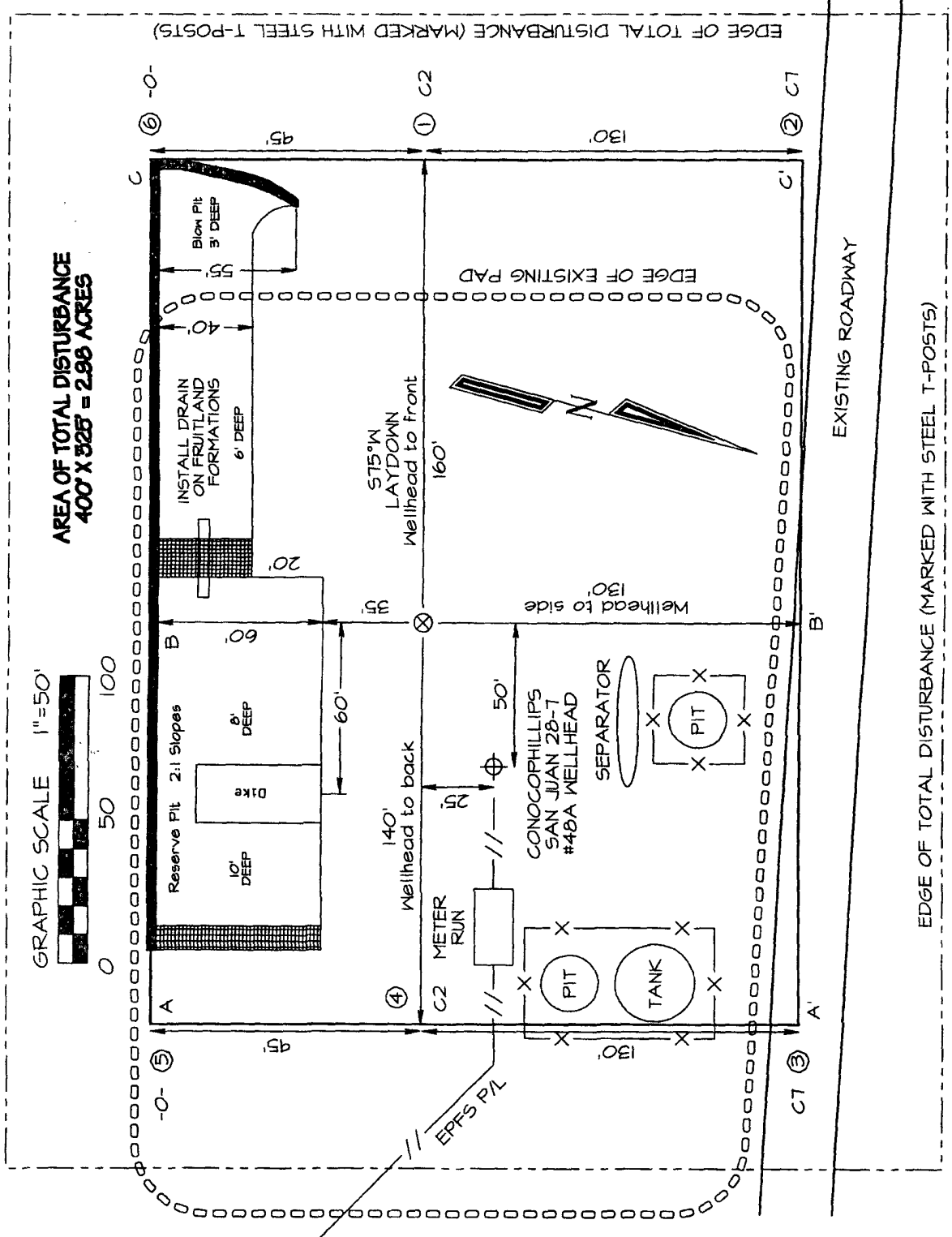
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(d)	(d)
1,900 6	1,808 0	Ojo Alamo		0 00	
2,084 6	1,975 0	Kirtland		0 00	
2,388.7	2,251.0	Fruitland		0 00	
2,788 8	2,614.0	Pictured Cliffs		0 00	
2,965.1	2,774 0	Lewis		0 00	
3,853 3	3,580 0	Chacra		0 00	
4,599.1	4,293 0	Cliffhouse		0 00	
4,711 3	4,405 0	Menefee		0 00	
5,169 3	4,863 0	Pt. Lookout		0.00	
5,570 3	5,264.0	Mancos Shale		0.00	
6,341.3	6,035 0	Gallup		0.00	
7,094.3	6,788 0	Greenhorn		0 00	
7,158 3	6,852.0	Graneros		0.00	
7,183 3	6,877.0	Two Wells		0 00	
7,285 3	6,979.0	Paguate		0.00	
7,322 3	7,016.0	Upper Cubero		0.00	
7,355 3	7,049 0	Lower Cubero		0 00	
7,422.3	7,116 0	TD		0.00	
7,422 3	7,116 0	Encinal		0 00	

Checked By: _____ Approved By: _____ Date: _____

CONOCOPHILLIPS COMPANY SAN JUAN 28-7 UNIT #134G
 890' FNL & 895' FWL, SECTION 21, T28N, R7W, NMPM
 RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6025'

LATITUDE: 36°39.0909'N
 LONGITUDE: 107°35.0516'W
 DATUM: NAD1927

~ SURFACE OWNER ~
 Bureau of Land Management



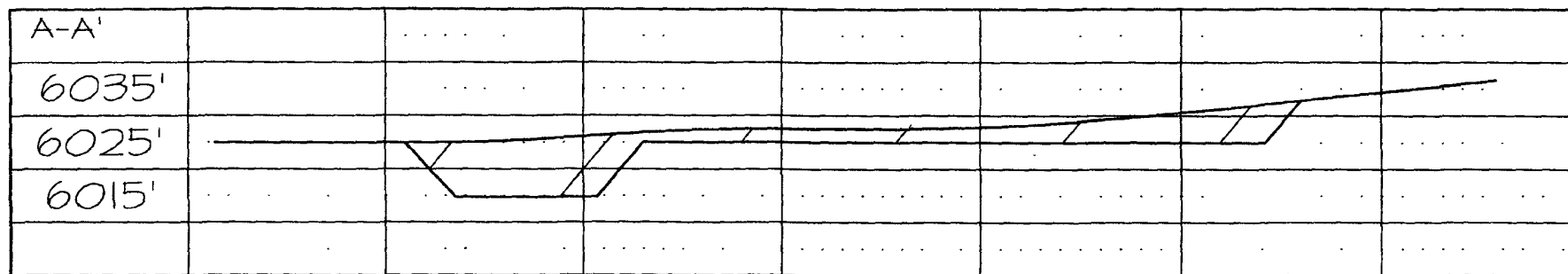
NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

CONOCOPHILLIPS COMPANY SAN JUAN 28-7 UNIT #134G
 890' FNL & 895' FWL, SECTION 21, T28N, R7W, NMPM
 RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6025'

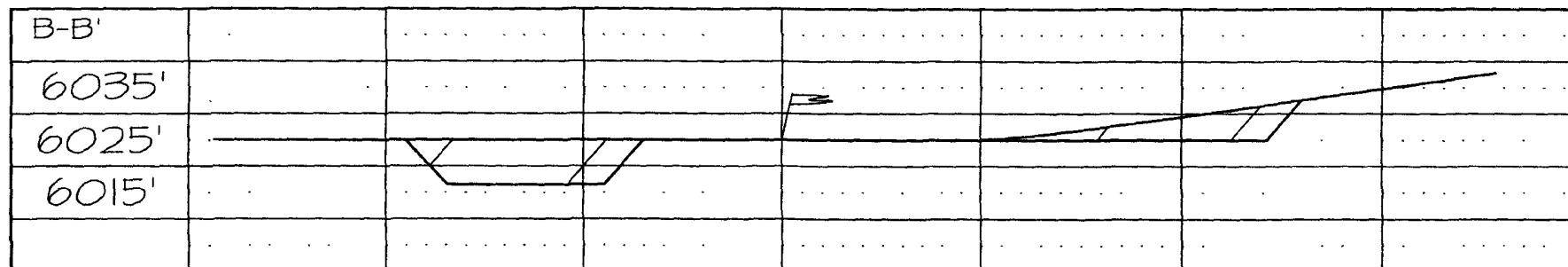
HORIZONTAL SCALE 1"=40'

C/L

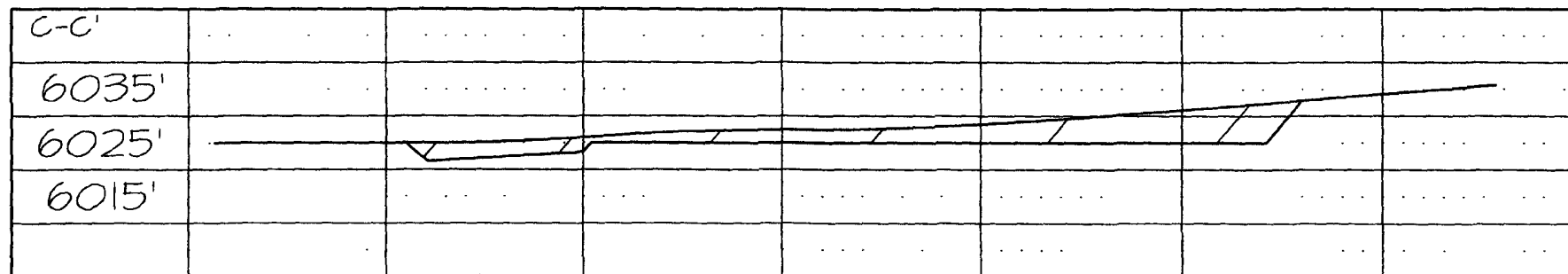
VERTICAL SCALE 1"=30'



C/L



C/L



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