

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

SEP 24 2007

1a. Type of Work DRILL	5. Lease Number SF-078997	Bureau of Land Management Farmington Field Office
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips	7. Unit Agreement Name OIL CONS. DIV. San Juan 30-5 Unit	DIST. 3
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 G (SWNE), 1350' FNL & 2080' FEL, Unit H (SENE), 1900' FNL & 760' FEL, Surf: Latitude 36° 49.8454 N Longitude 107° 20.5337 W Latitude 36° 49.7557 N Longitude 107° 20.2628W	9. Well Number #73N	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 10, T30N, R5W API # 30-039-30374
14. Distance in Miles from Nearest Town 50 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 760'	16. Acres in Lease 2560	17. Acres Assigned to Well MV 320 (E/2)/DK 320 (N/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 561' from San Juan 30-5 Unit 73	19. Proposed Depth 8020' TVD/8298' TMD	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6527' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: Rhonda Rogers (Regulatory Technician)	9-24-07 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

Bond Numbers ES-0048 and ES-0085

HOLD C104 FOR

NMOCD OCT 18 2007

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

As drilled C-102 form

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

DISTRICT II
1901 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

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30374	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/Basin Dakota
⁴ Property Code 31327	⁵ Property Name SAN JUAN 30-5 UNIT	⁶ Well Number 73N
⁷ OCRD No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6527'

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
G	10	30-N	5-W		1350'	NORTH	2080'	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
H	10	30-N	5-W		1900'	NORTH	780'	EAST	RIO ARriba

¹² Dedicated Acres 320. N/2 DK 320.00 E/2 W/W	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

LAT: 36°49.8454' N. LONG: 107°20.5337' W. NAD 1927	1350'	Surface 2080'	Bottom Hole 780'
SF-078997			
LAT: 36°49.7567' N. LONG: 107°20.2828' W. NAD 1927			
LAT: 36°49.2827' N. LONG: 107°33.8314' W. NAD 1983 Bottom Hole			SF-078997

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.

4/3/07
Kandis Roland
Signature

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.

2 APR 2007
Date of Survey
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Signature of Licensed Professional Surveyor
C. W. Russell
Certificate Number 15703

Office

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- 30374

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease SF-078997

7. Lease Name or Unit Agreement Name

San Juan 30-5 Unit

8. Well Number

#73N

9. OGRID Number

217817

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

ConocoPhillips

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter G

: 1350'

feet from the

North

line and

2080'

feet from the

East

line

Section 10

Township 30N

Rng 5W

NMPM

County

Rio Arriba

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

6527'

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:

NA

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, Unlined:

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 unlined 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 unlined 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

TITLE

Regulatory Technician

DATE

9-24-07

Type or print name

Rhonda Rogers

E-mail address:

rogerr@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

OCT 18 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 73N

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7137		AFE \$:	
Field Name: 30-5	Rig: XXX 2009 Directional	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: Fransen, Eric E.	Phone:		

Primary Objective (Zones):

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

Location: Surface		Datum Code: NAD 27		Deviated	
Latitude: 36.830757	Longitude: -107.342229	X:	Y:	Section: 10	Range: 005W
Footage X: 2080 FEL	Footage Y: 1350 FNL	Elevation: 6527	(FT)	Township: 030N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.829260	Longitude: -107.337713	X:	Y:	Section: 10	Range: 005W
Footage X: 760 FEL	Footage Y: 1900 FNL	Elevation:	(FT)	Township: 030N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6543 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	215	6328	<input type="checkbox"/>			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, ST&C casing. Cement with 170 cu. ft. Circulate cement to surface.
NCMT	1343	5200	<input type="checkbox"/>			
OJAM	2593	3950	<input type="checkbox"/>			Possible water flows.
KRLD	2793	3750	<input type="checkbox"/>			
FRLD	3143	3400	<input type="checkbox"/>			Possible gas.
PCCF	3493	3050	<input type="checkbox"/>			
LEWS	3693	2850	<input type="checkbox"/>			
Intermediate Casing	4500	2043	<input type="checkbox"/>			8-3/4" hole. 7", 23.0 ppf, L-80, LT&C casing. Cement with 1076 cu. ft. Circulate cement to surface.
CHRA	4633	1910	<input type="checkbox"/>			
CLFH	5463	1080	<input type="checkbox"/>			Gas; possibly wet
MENF	5503	1040	<input type="checkbox"/>			Gas.
PTLK	5753	790	<input type="checkbox"/>	300		Gas.
GLLP	7028	-485	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	7741	-1198	<input type="checkbox"/>	2000		Gas possible, highly fractured
GRRS	7790	-1247	<input type="checkbox"/>			
CBBO	7916	-1373	<input type="checkbox"/>			Gas
CBRL	7972	-1429	<input type="checkbox"/>			
TD	8020	-1477	<input type="checkbox"/>			6-1/4" hole. 4-1/2", 11.6 ppf, L-80, LT&C casing. Cement with 481 cu. ft. Circulate cement a minimum of 100 ft. inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

Reference Wells:		
Reference Type	Well Name	Comments

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-5 UNIT 73N

DEVELOPMENT

Intermediate	San Juan 30-5 73	10-30N-5W-NE, KB = 6580
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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

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - TD is 279' below GRHN

Zones - DK 30N05W10NE2 MVNM030N005W10NE2

General/Work Description - 2/26/07 NAME CHANGED FROM 73F TO 73N

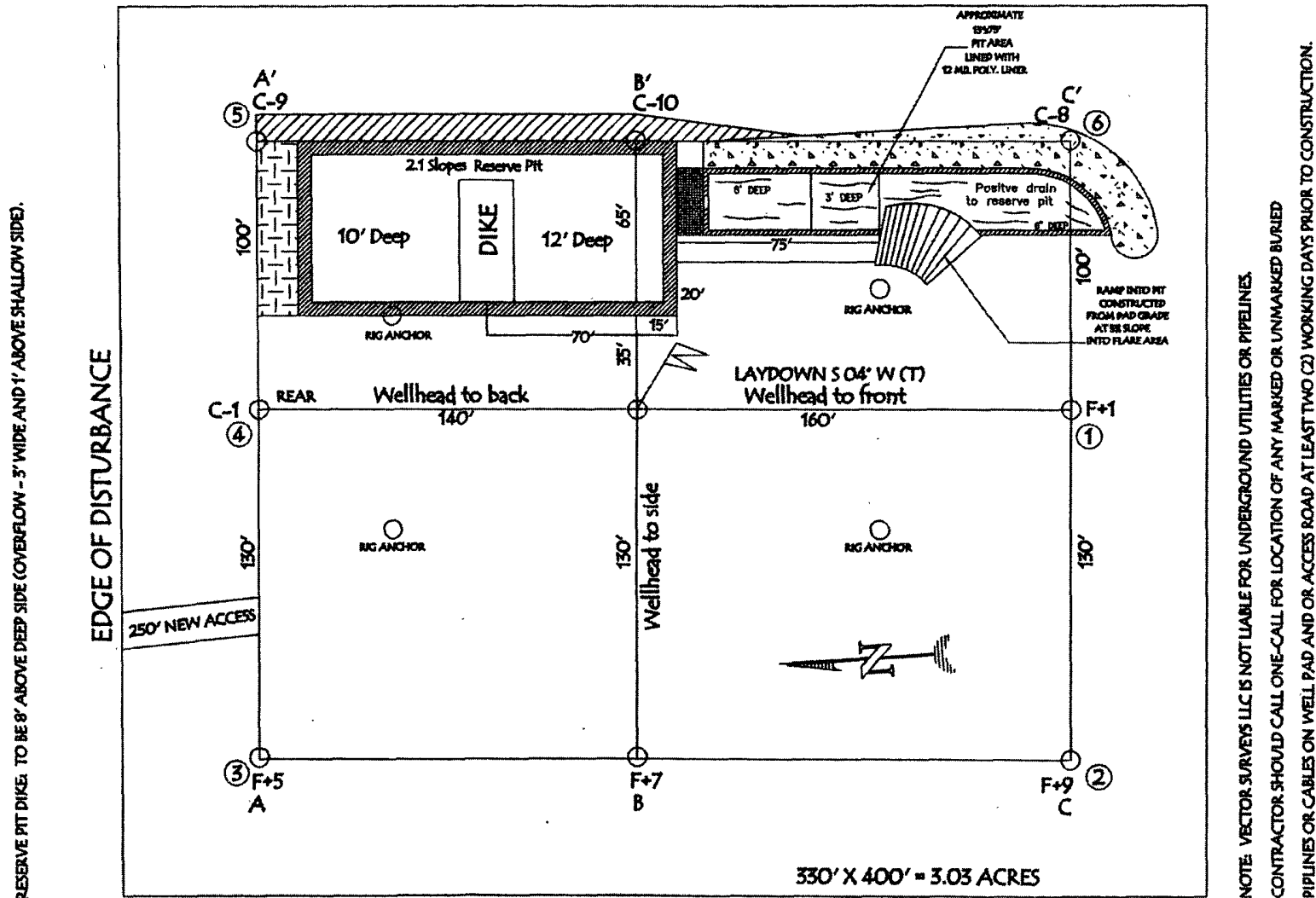
ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #73N
Company:	ConocoPhillips Lower 48	TVD Reference:	Generic Rig RKB @ 6542.0ft
Project:	San Juan Basin	MD Reference:	Generic Rig RKB @ 6542.0ft
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 30-5 #73N	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #73N		
Design:	APD Directional Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)	
1,376.7	1,343.0	Nacimiento		0.00		
2,748.5	2,593.0	Ojo		0.00		
2,967.9	2,793.0	Kirtland		0.00		
3,352.0	3,143.0	Fruitland		0.00		
3,736.1	3,493.0	Pictured Cliffs		0.00		
3,953.5	3,693.0	Lewis		0.00		
4,911.2	4,633.0	Chacra		0.00		
5,741.2	5,463.0	Mass. Cliffhouse		0.00		
5,781.2	5,503.0	Menefee		0.00		
6,031.2	5,753.0	Point Lookout		0.00		
7,306.2	7,028.0	Upper Gallup		0.00		
8,019.2	7,741.0	Greenhorn		0.00		
8,068.2	7,790.0	Graneros		0.00		
8,194.2	7,916.0	Cubero		0.00		
8,250.2	7,972.0	Lower Cubero		0.00		
8,298.2	8,020.0	TD		0.00		

CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT 73N, 1350' FNL & 2080' FEL
SECTION 10, T-30- N, R-5-W, NMPM, RIO ARRIBA COUNTY, NM
GROUND ELEVATION: 6527', DATE: JULY 27, 2006



LATITUDE: 36° 49.8454'N LONGITUDE: 107° 20.5337'W NAD27

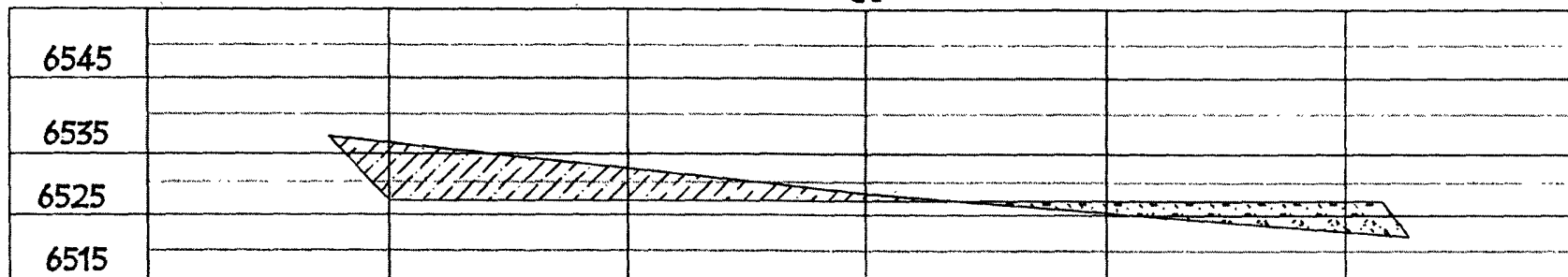
NOTE: VECTOR SURVEYS LLC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT 73N, 1350' FNL & 2080' FEL
SECTION 10, T-30- N, R-5-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6527', DATE: JULY 27, 2006

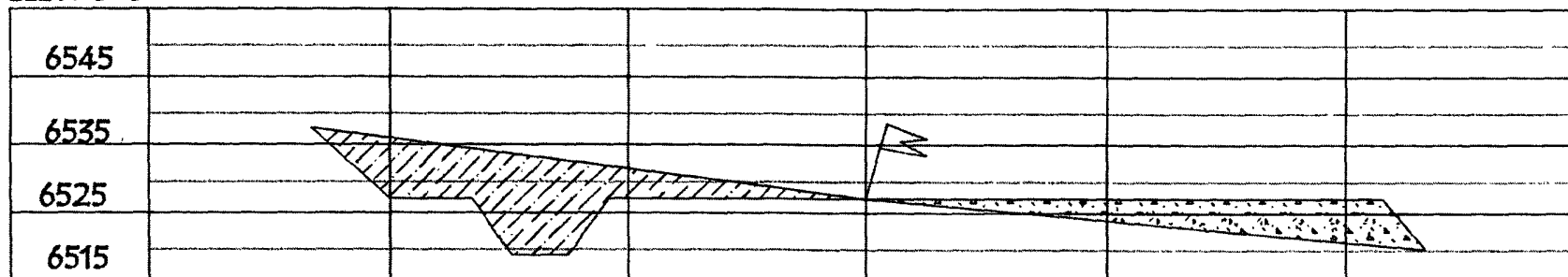
ELEV. A'-A

CL



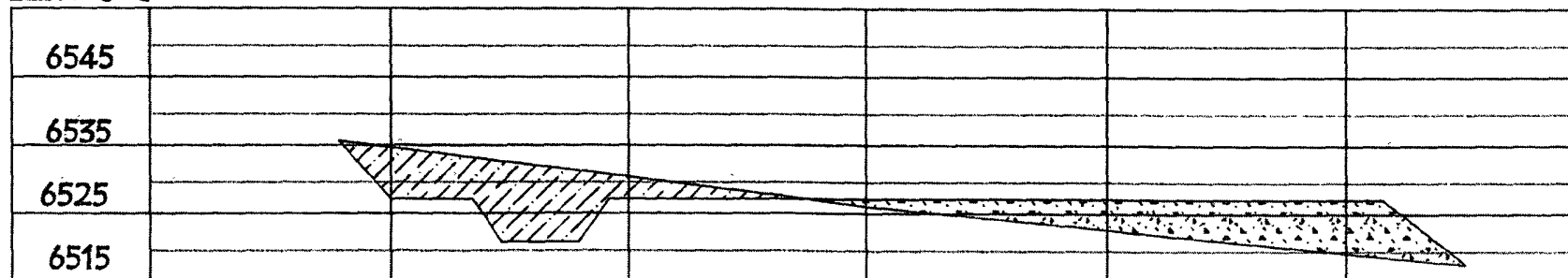
ELEV. B'-B

CL



ELEV. C'-C

CL



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

Directions from the Post Office
in Blanco, NM
to
CONOCOPHILLIPS COMPANY
SAN JUAN 30-5 UNIT 73N
1350' FNL & 2080' FEL,
Section 10, T30N, R5W, N.M.P.M., Rio Arriba County,
New Mexico

From the Post Office in Blanco, NM
Take Highway 64 East for 28.8 miles
To Hwy 527 (Simms Mesa Hwy),
Turn left (northwest) on Hwy 527 for 8.0 miles,
To Rosa Road, turn right (northeast) for 6.6 miles,
Across La Jara Bridge to the top of the Mesa,
continue (northeasterly) 1.2 miles,
turn right (easterly) 1.3 miles,
continue (southerly) for 1 mile,
continue (southeast) for 0.4 miles,
continue (northeast) for 1.8 miles,
turn right (easterly) 0.9 miles,
To the new access on right side of road,
Turn right and proceed 250' to the newly staked location.