

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD APR 7 '08
OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAY 18 PM 2:29

1a. Type of Work DRILL	5. Lease Number USA SF 079012 Unit Reporting Number 210 FARMINGTON NM	
1b. Type of Well GAS	6. If Indian, All. or Tribe NMNM-78421B-X NMNM-78421A-M	
2. Operator ConocoPhillips	7. Unit Agreement Name San Juan 31-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #4N	
4. Location of Well Unit H (SENE), 1640' FNL & 660' FEL, Latitude 36° 60.6583 N Longitude 108° 27.6520 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) # Sec. 4, T30N, R6W API # 30-039-30264	
14. Distance in Miles from Nearest Town 47 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	17. Acres Assigned to Well 320 (E/2)	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease	
19. Proposed Depth 7950'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6406' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Kandis Roland</u> Kandis Roland (Regulatory Technician)	5/18/07 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Wayne Townsend TITLE Acting AFM DATE 4/7/08

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

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

APR 10 2008

NMOCD B

AV

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

State of New Mexico 20
Energy, Minerals & Natural Resources Department.

2007 MAY 18 PM 2:29

Form C-102
Revised October 12, 2005

DISTRICT II
1801 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

DISTRICT III
1000 Rio Brasos Rd., Aztec, N.M. 87410

1220 South St. Francis Dr.
Santa Fe, NM 87506

210 FEB 1964 State Lease - 4 Copies
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30264	*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/ Basin Dakota
*Property Code 31328	*Property Name SAN JUAN 31-6 UNIT	*Well Number 4N
*UGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 5406'

¹⁰ Surface Location

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	4	30-N	6-W		1840'	NORTH	660'	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. H	Section	Township	Range	Lot 14n	Feet from the	North/South line	Feet from the	East/West line	County
**Dedicated Acres 320 acres E/2			**Joint or Infill		**Consolidation Code		**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

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION			
LOT 8	LOT 7 LAT: 38°50.6585' N. LONG: 107°27.6620' W. NAD 1927 LAT: 38.844311' N. LONG: 107.461471' W. NAD 1983	LOT 6 SF-079012	LOT 5 1640' 660' 30' 13" 38" E 265.08'
4			

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 possesses mineral interest in the land including the proposed bottom hole location or has the right to drill the 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.

Kandis Roland

Signature

Kandis Roland

Printed Name

Regulatory Tech

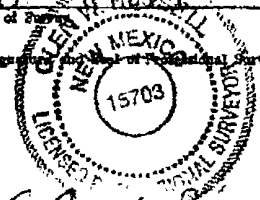
18 SURVEYOR CERTIFICATION

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

3 - 7-1007

Date of Survey

Signature of Licensed Professional Surveyor



Glen W. Russell

Certificate Number 15703

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

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

WELL API NO.

30-039- 30264

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

Federal Lease SF-079012

7. Lease Name or Unit Agreement Name

San Juan 31-6 Unit

8. Well Number

#4N

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

H

:

1640'

feet from the

North

line and

660'

feet from the

East

line

Section

4

Township

30N

Rng

6W

NMPM

County

Rio Arriba

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

6406'

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, ~~un~~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 unlined pits as detailed in ConocoPhillips' General Plan dated June 2005 on file at the NMOCDD 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 NMOCDD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Technician

DATE

5-17-07

Type or print name

Rhonda Rogers

E-mail address:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

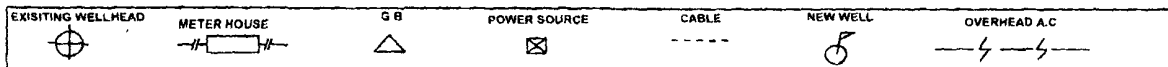
DATE

APR 10 2008

Conditions of Approval (if any):



WELL NAME ST 31-6 #4N LEGALS H-4-30-6 COUNTY Rio Arriba



COMMENTS: possible UGAC in vicinity, to use, but no cable markers visible.

NEAREST POWER SOURCE Existing Rd SJ 31-L# 205 (FH #518) DISTANCE: 900'
PIPELINES IN AREA: COFC H₂O ; COFC P/L ; WFS P/L

TECHNICIAN: Mike Hancock DATE: 4/30/07

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 31-6 UNIT 4N

DEVELOPMENT

Lease:	AFE #: WAN.CNV.7214		AFE \$:
Field Name: 31-6	Rig: Aztec Rig 711	State: NM	County: RIO ARRIBA
Geologist:	Phone:	Geophysicist:	Phone:
Geoscientist: Glaser, Terry J	Phone: (832)486-2332	Prod. Engineer:	Phone:
Res. Engineer: Pena, David Fernando	Phone: 832-486-2328	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		Straight Hole	
Latitude: 36.844305	Longitude: -107.460867	X: 0.00	Y: 0.00	Section: 04	Range: 006W
Footage X: 660 FEL	Footage Y: 1640 FNL	Elevation: 6406	(FT)	Township: 030N	
Tolerance:					

Location Type: Restricted	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data:	Assume KB = 6422	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	6206	☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
NCMT	1372	5050	☐			
OJAM	2418	4004	☐			Possible water flows.
KRLD	2515	3907	☐			
FRLD	3025	3397	☐			Possible gas.
PCCF	3365	3057	☐			
LEWS	3569	2853	☐			
Intermediate Casing	3659	2763	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 823 cuft. Circulate cement to surface.
HURF	4105	2317	☐			
CHRA	4402	2020	☐			
UCLFH	5012	1410	☐			
CLFH	5280	1142	☐			Gas; possibly wet
MENF	5366	1056	☐			Gas.
PTLK	5619	803	☐	400		Gas.
MNCS	6066	356	☐			
UPPER GLLP	6833	-411	☐			Gas. Possibly wet.
GRHN	7636	-1214	☐	2000		Gas possible, highly fractured
TWLS	7809	-1387	☐			Gas
CBBO	7814	-1392	☐			Gas
CBRL	7857	-1435	☐			
TOTAL DEPTH DK	7950	-1528	☐			6-1/4" hole. 4-1/2", 10.5/11.6 J-55 STC/LTC casing. Cement with 584 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Intermediate	SJ 31-6 4	4-30N-6W-NE, KB = 6460
Intermediate	SJ 31-6 16	33-31N-6W-SW, KB = 6513

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 31-6 UNIT 4N

DEVELOPMENT

Intermediate	SJ 31-6 18G	3-30N-6W-NW, KB = 6451
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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

CBL/GR

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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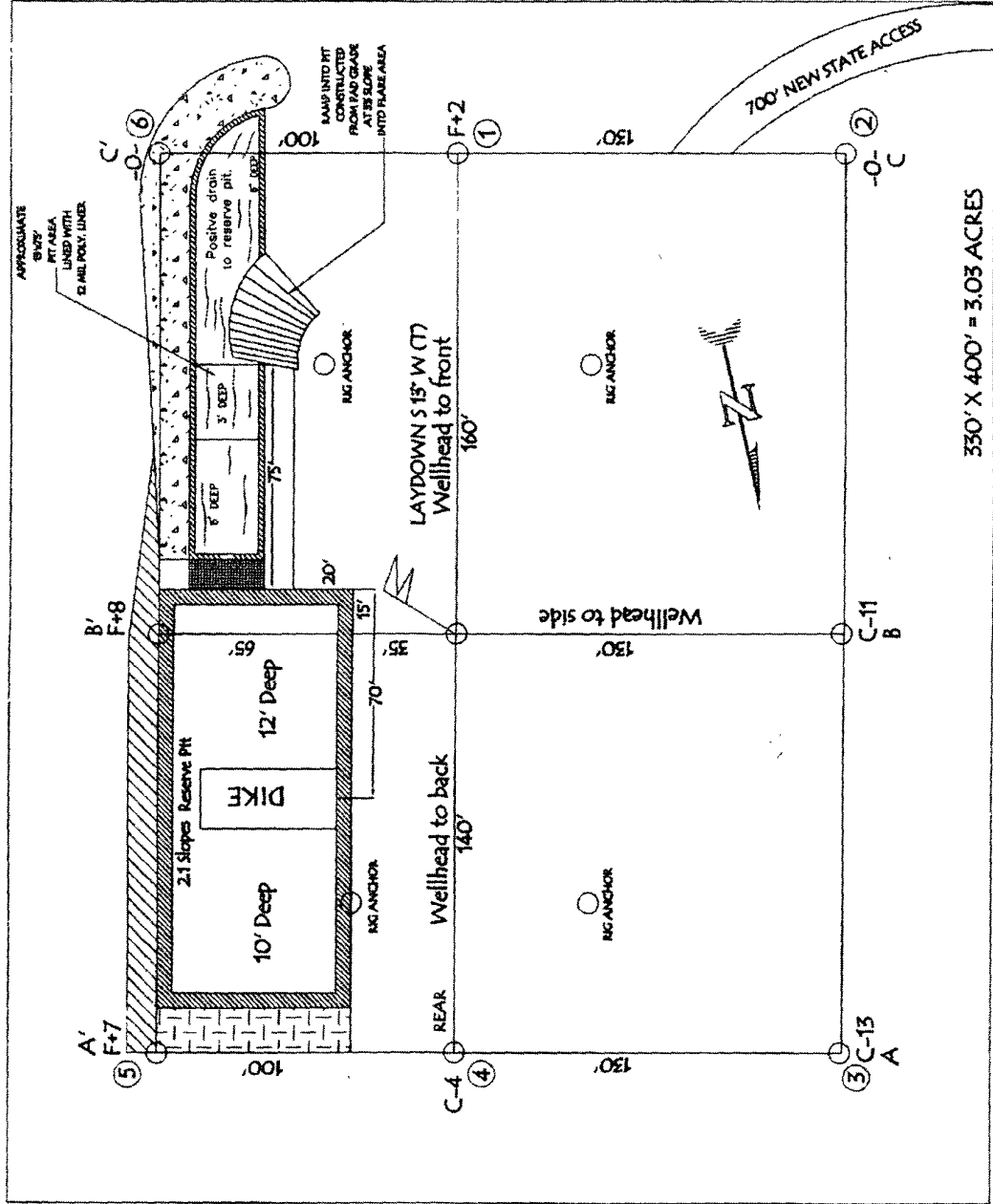
Comments: Location/Tops/Logging - TD 314' below top of Greenhorn - ENCN looks dry - PCCF = M/PCCF, MVNM030N006W04NE1 AND DK 30N06W04NE1

Zones - MVNM030N006W04NE1 AND DK 30N06W04NE1

General/Work Description - Project moved from 2009 to 2008 5/15/07 - LM
2/28/07 name change from 4F to 4N per land wfp

CONOCOPHILLIPS COMPANY

SAN JUAN 31-6 UNIT 4N, 1640' FNL & 660' FEL
SECTION 4, T-30-N, R-6-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6406', DATE: SEPTEMBER 20, 2006



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

EDGE OF DISTURBANCE

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

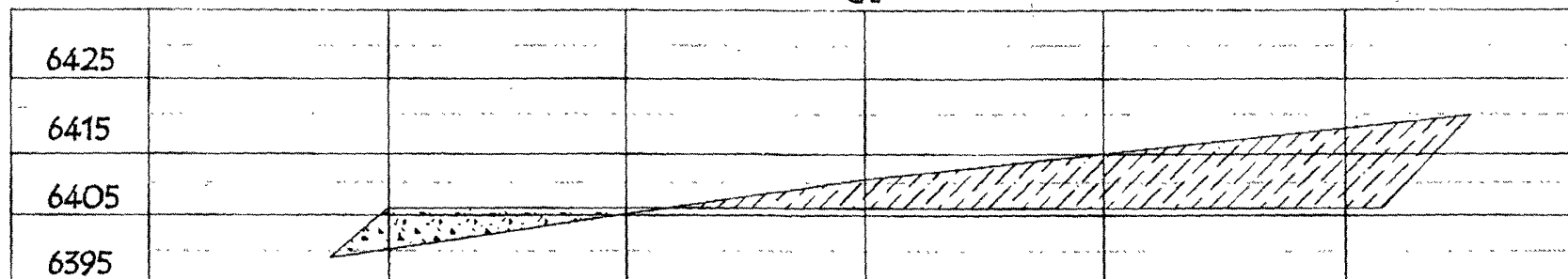
LATITUDE: 36° 50.6583'N LONGITUDE: 107° 27.6520'W NAD27

CONOCOPHILLIPS COMPANY

SAN JUAN 31-6 UNIT 4N, 1640' FNL & 660' FEL
SECTION 4, T-30- N, R-6-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6406', DATE: SEPTMEBER 20, 2006

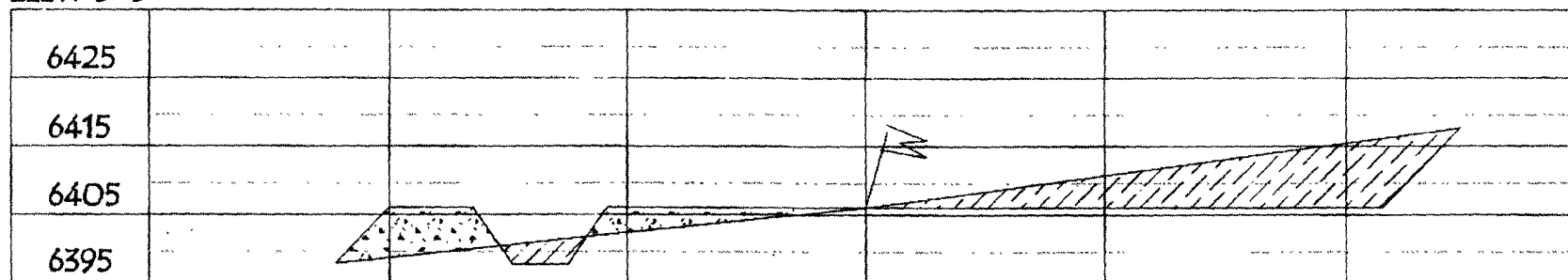
ELEV. A'-A

C/L



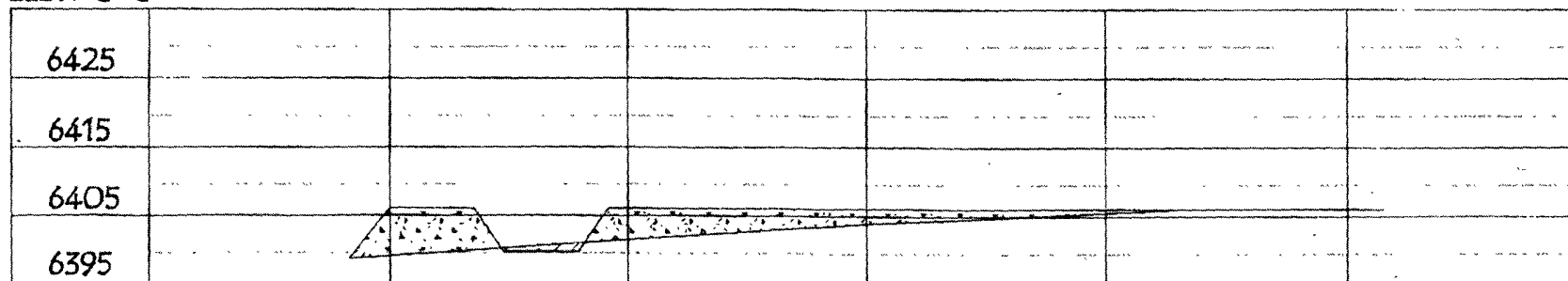
ELEV. B'-B

C/L



ELEV. C'-C

C/L



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