

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD NOV 27 '07
OIL CONS. DIV.

DIST. 3
AMENDED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED OCT 3 2007 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078739 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe NMNM-78419A-MV NMNM-78419B-DK
2. Operator ConocoPhillips		7. Unit Agreement Name San Juan 30-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #71F
4. Location of Well Surf: Unit C(NENW), 505' FNL & 2330' FWL BH: Unit F(SENW), 1750' FNL & 1970' FWL Surf: Latitude 36° 48.2436 N Longitude 107° 20.7087 W BH: Latitude 36° 48.0387 N Longitude 107° 34.8201 W		10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 22, T30N, R5W API # 30-039-30364
14. Distance in Miles from Nearest Town 49 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 505'		
16. Acres in Lease 2320	17. Acres Assigned to Well MV/DK 320 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl. or Applied for on this Lease 1569' from San Juan 30-5 71M		
19. Proposed Depth 8026' TVD/8276' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6578' GL	22. Approx. Date Work will Start 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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)		10-3-07 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 NMB-000015 and NMB-000089

HOLD C-104 FOR

directional survey
Asdville C-102 Form

NMOC

NOV 28 2007

AV

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT IV
1425 S. St. Francis Dr., Santa Fe, NM 87505

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

Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

SEP 20 2007

Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039- 30366		Pool Code 72319/71599	Pool Name Blanco Mesaverde / Basin Dakota	
Property Code 31327	Property Name SAN JUAN 30-5 UNIT			Well Number 71F
CORID No. 217817	Operator Name CONOCOPHILLIPS COMPANY			Elevation 6578

10 Surface Location

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	22	30-N	5-W		505	NORTH	2330	WEST	RIO ARRIBA

						27.50
" 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	22	30-N	5-W		1750'	NORTH	1970'	WEST	RIO ARRIBA
*Dedicated Acres 320 acres W2			**Joint or Infill		**Consolidation Code		**Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION IN

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-SURFACE UNIT HAS BEEN APPROVED BY THE DIVISION	
N 89° 47' 23" E 2842.14' 2330' 505' 1750' 1970' 2844.65' 216' SURFACE BOTTOM HOLE	LAT: 36.482436° N LONG: 107.207087° W NAD 1927 LAT: 36.804066° N LONG: 107.345747° W NAD 1983 SURFACE LAT: 36.480387° N LONG: 107.20.8301° W NAD 1927 LAT: 36.800644° N LONG: 107.347001° W NAD 1983 BOTTOM HOLE
22	
SF-078739	

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 released 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.

Tracey N. Monroe

Signature

Tracey N. Monroe

Printed Name

11-14-06

18 SURVEYOR CERTIFICATION

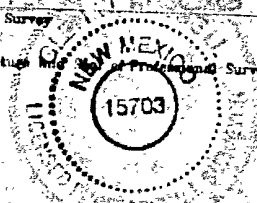
I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

William H. Russell

Signature of Professional Surveyor

Date of Survey

12-11-2006



15703

Certificate Number

15703

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

May 27, 2004

SUNDY 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.)		WELL API NO. 30-039- 303006
1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator ConocoPhillips		6. State Oil & Gas Lease No. Federal Lease SF-078739
3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402		7. Lease Name or Unit Agreement Name San Juan 30-5 Unit
4. Well Location Unit Letter C : 505' feet from the North line and 2330' feet from the West line Section 22 Township 30N Rng 5W NMPM County Rio Arriba		8. Well Number #71F
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6578'		9. OGRID Number 217817
Pit or Below-grade Tank Application ☐ or Closure ☐		10. Pool name or Wildcat Blanco MV/Basin DK
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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: **New Drill** ☒ 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 Rhonda Rogers TITLE Regulatory Technician DATE 9-19-07

Type or print name Rhonda Rogers E-mail address: rogerr@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE NOV 28 2007

Conditions of Approval (if any):

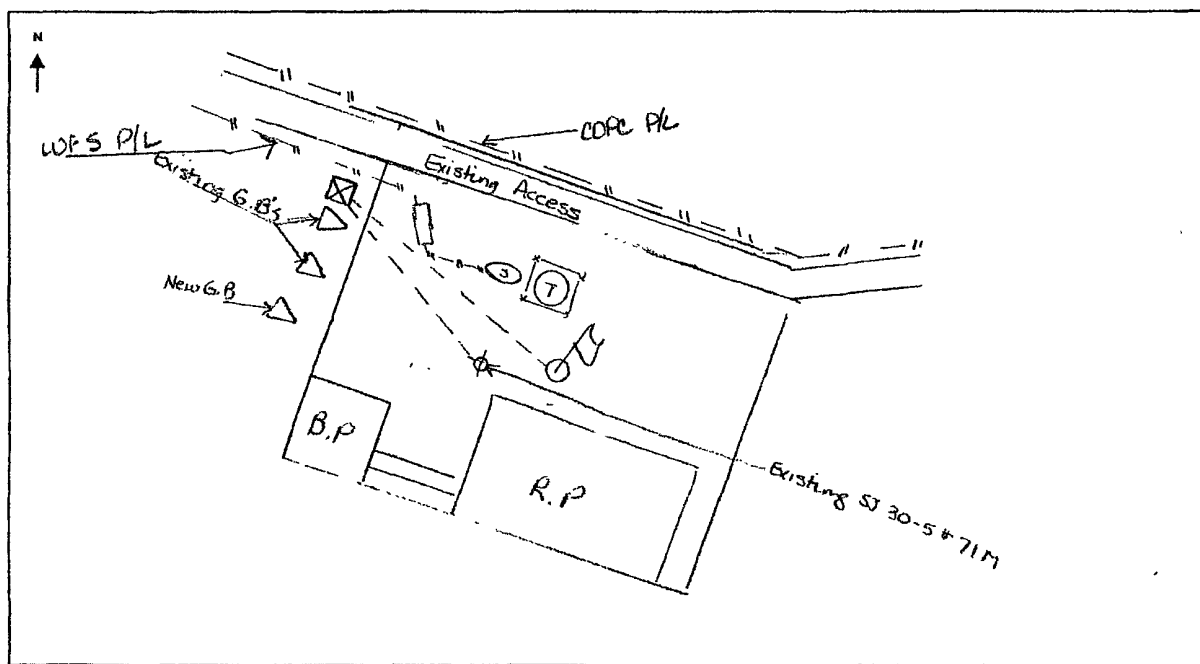


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 30-5 #71F LEGALS 22-30-5 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill G.B. on west edge of location just south of already existing G.B. and tie into CP system on SJ 30-5 #71M. Trench approx 300' of #8 neg cable from existing rectifier on SJ 30-5 #71M to proposed new well head.



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

COMMENTS:

NEAREST POWER SOURCE Existing Rect. on SJ 30-5 #71M DISTANCE: 300'
PIPELINES IN AREA: WFS P/L + COPC P/L

TECHNICIAN: Michael Thompson DATE: 12/7/06

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 30-5 UNIT 71F

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7136				AFE \$:	
Field Name: 30-5		Rig: XXX 2009 Directional		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Glaser, Terry J		Phone: (832)486-2332		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead: Fransen, Eric E.		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Deviated							
Latitude: 36.804059		Longitude: -107.345146		X:	Y:	Section: 22	Range: 005W
Footage X: 2330 FWL		Footage Y: 505 FNL		Elevation: 6578 (FT)		Township: 030N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Deviated							
Latitude: 36.800637		Longitude: -107.340017		X:	Y:	Section: 22	Range: 005W
Footage X: 1970 FWL		Footage Y: 1750 FNL		Elevation: (FT)		Township: 030N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6592 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
SURFACE CSG	215	6377	☐			12-1/4" hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 170 cu. ft. Circulate cement to surface.	
NCMT	1492	5100	☐				
OJAM	2622	3970	☐			Possible water flows.	
KRLD	2794	3798	☐				
FRLD	3078	3514	☐			Possible gas.	
PCCF	3366	3226	☐				
LEWS	3421	3171	☐				
Intermediate Casing	4100	2492	☐			8 3/4" Hole. 7", 23.0 ppf, L-80, LTC Casing. Cement with 986 cu. ft. Circulate cement to surface.	
HURF	4300	2292	☐				
CHRA	4371	2221	☐				
UCLFH	5191	1401	☐				
CLFH	5431	1161	☐			Gas; possibly wet	
MENF	5514	1078	☐			Gas.	
PTLK	5763	829	☐	500		Gas.	
MNCS	6140	452	☐				
UPPER GLLP	7027	-435	☐			Gas. Possibly wet.	
GRHN	7741	-1149	☐	1400		Gas possible, highly fractured	
GRRS	7792	-1200	☐				
PAGU	7921	-1329	☐			Gas. Highly Fractured.	
CBBO	7926	-1334	☐			Gas	
CBRL	7970	-1378	☐				
TD	8026	-1434	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 UNIT 71F

DEVELOPMENT

TOTAL DEPTH DK 8026 -1434 ☐

6-1/4" Hole. 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 535 cu. ft. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	SJ 30-5 90	22-30N-5W-NE, KB = 6683
Intermediate	SJ 30-5 71M	22-30N-5W-NW, KB = 6506
Intermediate	SJ 30-5 52	15-30N-5W-SW, KB = 6596

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

Comments: Location/Tops/Logging - TD is 285' below GRHN

General/Work Description - NO LEWIS

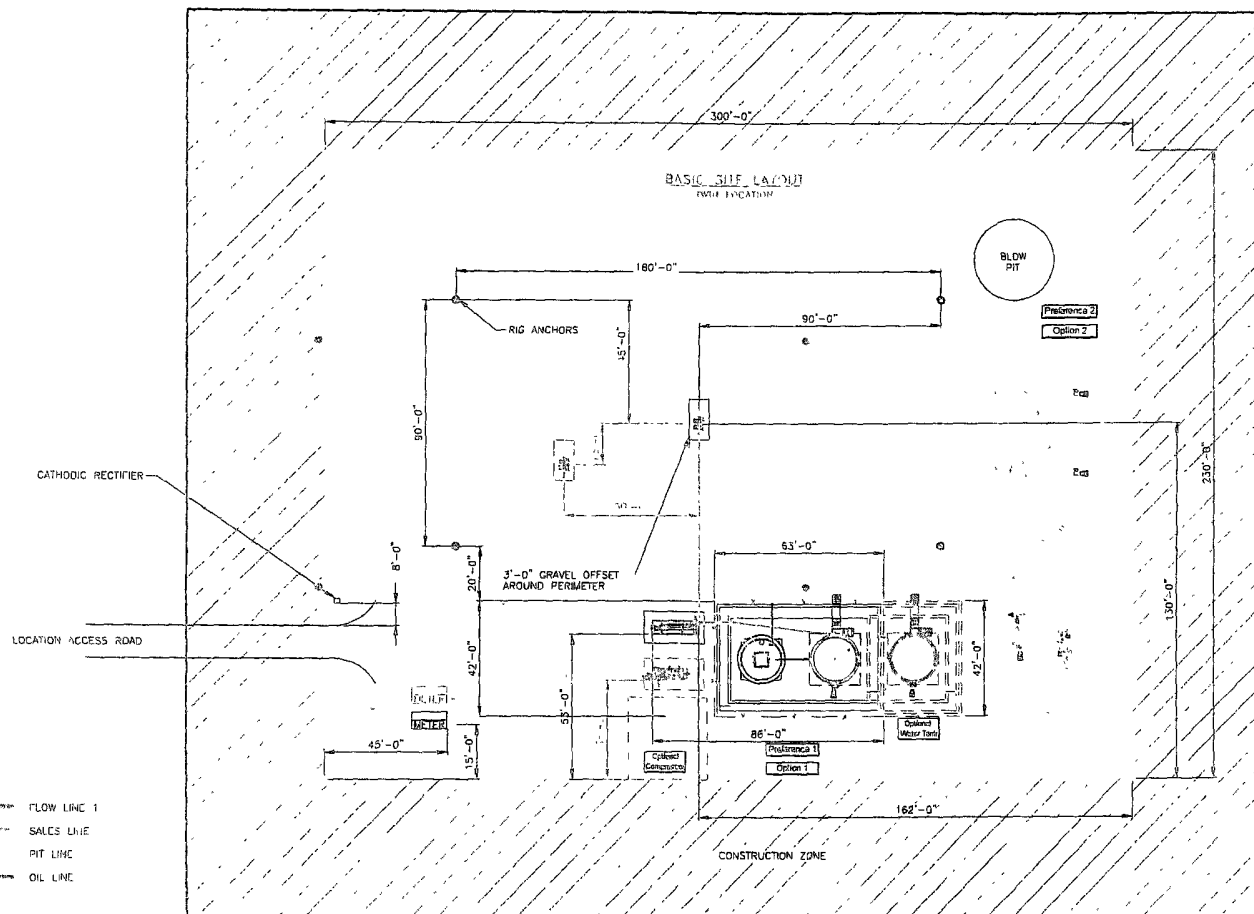
ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-5 #71F
Company:	ConocoPhillips Lower 48	TVD Reference:	Generic Rig RKB @ 6593.0ft (Generic Rig)
Project:	San Juan Basin	MD Reference:	Generic Rig RKB @ 6593.0ft (Generic Rig)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 30-5 #71F	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-5 #71F		
Design:	APD Directional Plan		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
1,549.1	1,492.0	Nacimiento		0.00	
2,784.1	2,622.0	Ojo		0.00	
2,972.1	2,794.0	Kirtland		0.00	
3,282.5	3,078.0	Fruitland		0.00	
3,597.1	3,366.0	Pictured Cliffs		0.00	
3,656.3	3,421.0	Lewis		0.00	
4,550.4	4,300.0	Huerfano Bentonite		0.00	
4,621.4	4,371.0	Chacra		0.00	
5,441.4	5,191.0	Upper Cliffhouse		0.00	
5,681.4	5,431.0	Cliffhouse		0.00	
5,764.4	5,514.0	Menefee		0.00	
6,013.4	5,763.0	Point Lookout		0.00	
6,390.4	6,140.0	Mancos		0.00	
7,277.4	7,027.0	Upper Gallup		0.00	
7,991.4	7,741.0	Greenhorn		0.00	
8,042.4	7,792.0	Graneros		0.00	
8,171.4	7,921.0	Two Wells		0.00	
8,176.4	7,926.0	Cubero		0.00	
8,220.4	7,970.0	Lower Cubero		0.00	
8,276.4	8,026.0	TD		0.00	



FLOW LINE 1
 SALES LINE
 PIT LINE
 OIL LINE

SEE SHEET 3 & 4 FOR PIPING DETAILS
 ALL UNDERGROUND PIPE IS TO BE BURIED - MIN OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS			CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT		
DESCRIPTION	DATE	BY	CHK'D	ENG	DEC	REV	PROJ	DISCIPLINE	REVIEWED	DATE	NO.		CLIENT NO.	CLIENT APPR.	ISSUE DATE
								PROCESS							
								MECHANICAL							
								PIPELINES							
								ELECTRICAL							
								I & C							
								CIVIL/STRUCTURAL							
								PROJECT							
SAN JUAN BUSINESS UNIT													ISSUE NO.	SCALE HERE	REVISION DATE 6/29/07
													HP3 PHASE - REV1		
													SHEET NO. 1 OF 5		

HP3 PHASE - REV1 - 06/29/07 - 06/29/07

SAN JUAN 30-5 UNIT 71F, 505' FNL & 2330' FWL
SECTION 22, T-30-N, R-5-W, NMPM, RIO ARRIBA COUNTY, NM
GROUND ELEVATION: 6578', DATE: SEPTEMBER 26 2006



LATITUDE: 36° 48.2436'N LONGITUDE: 107° 20.7087'W NAD27

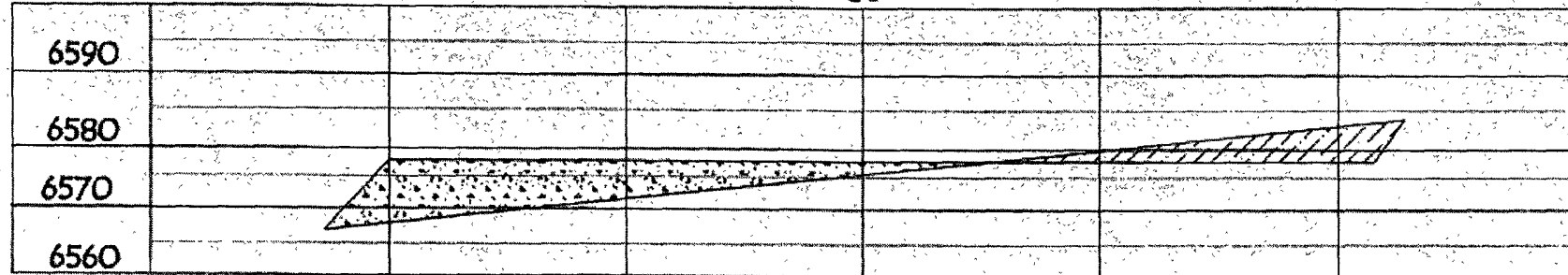
NOTE: VECTOR SURVEYS LLC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CONOCOPHILLIPS COMPANY

SAN JUAN 30-5 UNIT 71F, 505' FNL & 2330' FWL
SECTION 22, T-30-N, R-5-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6578', DATE: SEPTEMBER 26, 2006

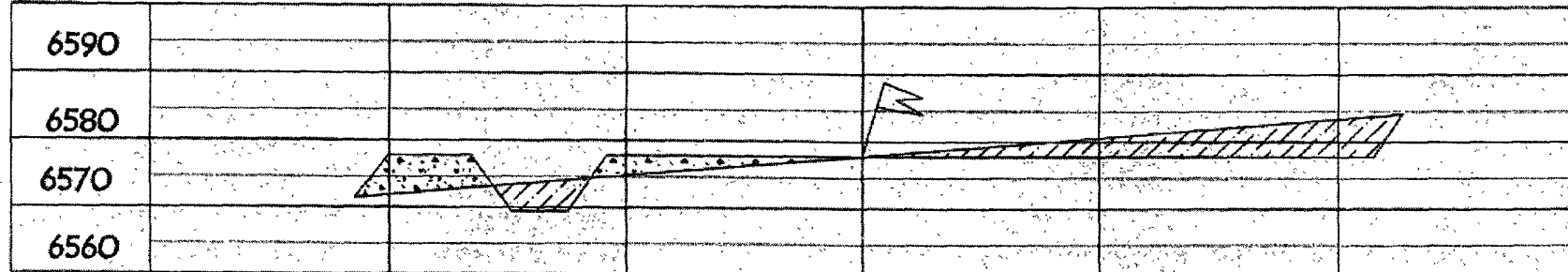
ELEV. A'-A

C/L



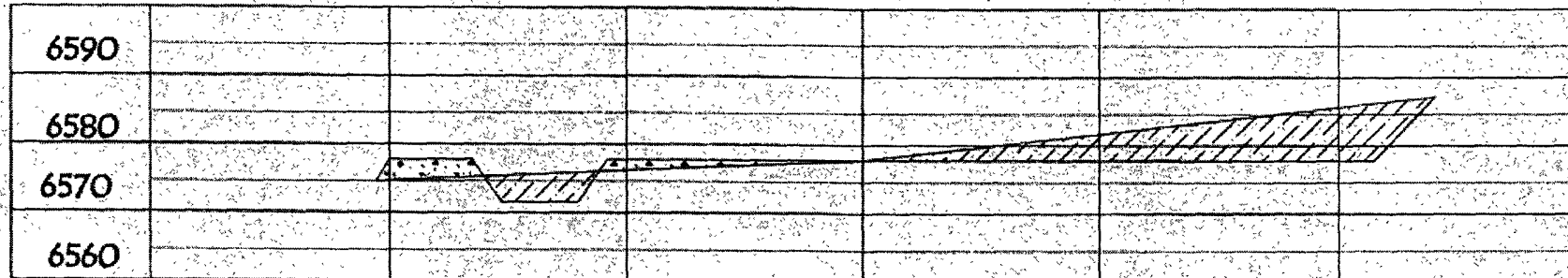
ELEV. B'-B

C/L



ELEV. C'-C

C/L



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