

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD APR 17 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED NOV 13 2007 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078999 Unit Reporting Number NM NM-78421 B-DK
1b. Type of Well GAS		6. If Indian, All. or Tribe
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	
4. Location of Well Surf: Unit E (SWNW), 1780' FNL & 95' FWL BH: Unit L (NWSW), 2400' FSL & 760' FWL Surface: Latitude 36.872900 N Longitude 107.458805 W BH: Latitude 36.869868 N Longitude 107.456533 W	9. Well Number #24F	
10. Field, Pool, Wildcat Blanco MV/Basin DK	11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 27, T31N, R6W API # 30-039- 30424	
12. County Rio Arriba	13. State NM	
14. Distance in Miles from Nearest Town 50 miles/Blanco	15. Distance from Proposed Location to Nearest Property or Lease Line 760'	
16. Acres in Lease 2560.000	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 415' San Juan 31-6 #231A	19. Proposed Depth 7939'	
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR, Etc.) 6329' GL	
22. Approx. Date Work will Start	23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS APPROVAL UNDER FEDERAL AND INDIAN LANDS	

PERMIT NO.

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 Directional Survey

and "As Drilled" plat

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

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

NMOCD

APR 18 2008

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT II
1301 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

RECEIVED

NOV 13 2007

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 30-039-30424	² Pool Code 72319/71599	³ Pool Name Blanco - Basin DAKOTA/MESAVERDE
⁴ Property Code 31328	⁵ Property Name SAN JUAN 31-6 UNIT	⁶ Well Number 24F
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6329'

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
E	27	31-N	6-W		1780'	NORTH	95'	WEST	RIO ARRIBA

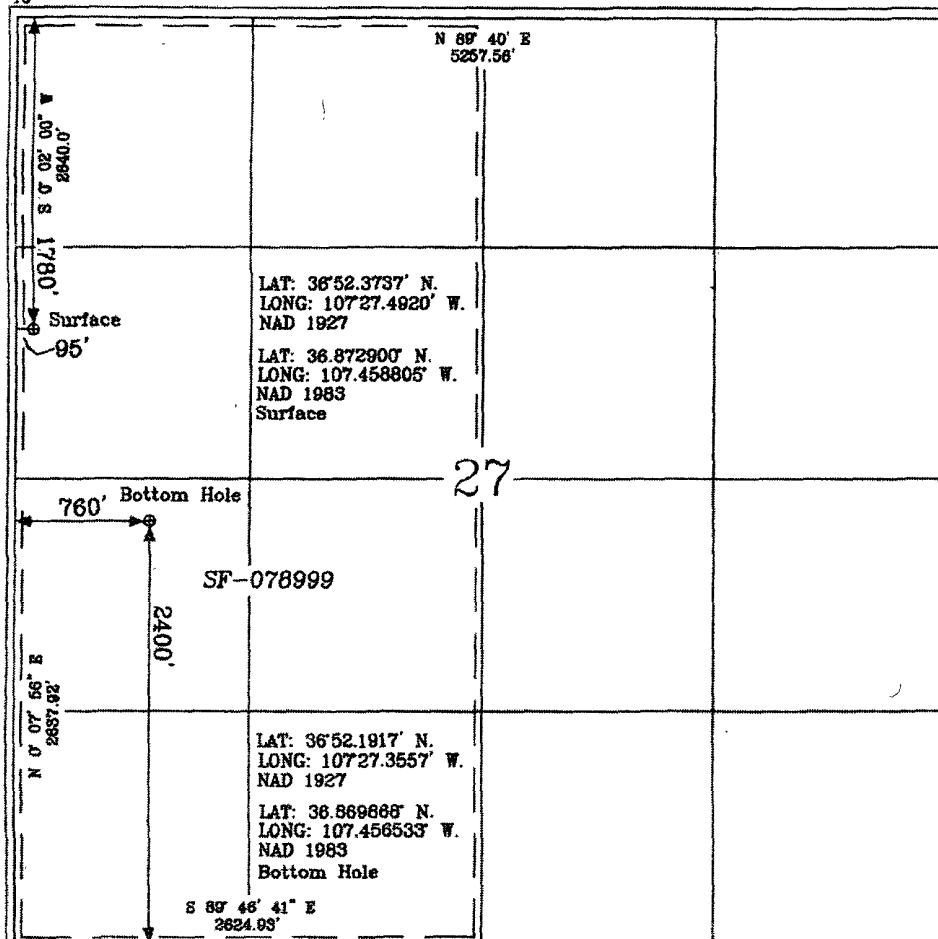
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	27	31-N	6-W		2400'	SOUTH	760'	WEST	RIO ARRIBA

¹² Dedicated Acres 320.0	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



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.

Sasha Spangler
Signature
Sasha Spangler
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.

7-11-07
Date of Survey
Signature *Glen W. Russell*
Glen W. Russell
Professional Surveyor
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

WELL API NO.

30-039- 30424

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

SF-078999

7. Lease Name or Unit Agreement Name

San Juan 31-6 Unit

8. Well Number

#24F

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 E : 1780' feet from the North line and 95' feet from the West line
Section 27 Township 31N Rng 6W NMPM County Rio Arriba

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

6329' 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

2200'
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 ☐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 NMOCDD 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 NMOCDD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE



TITLE

Regulatory Technician

DATE

11/9/2007

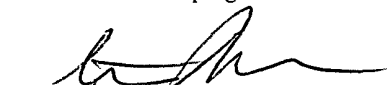
Type or print name
For State Use Only

Sasha Spangler

E-mail address: spangs@conocophillips.com

Telephone No. 505-326-9568

APPROVED BY



TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

APR 18 2008

Conditions of Approval (if any):

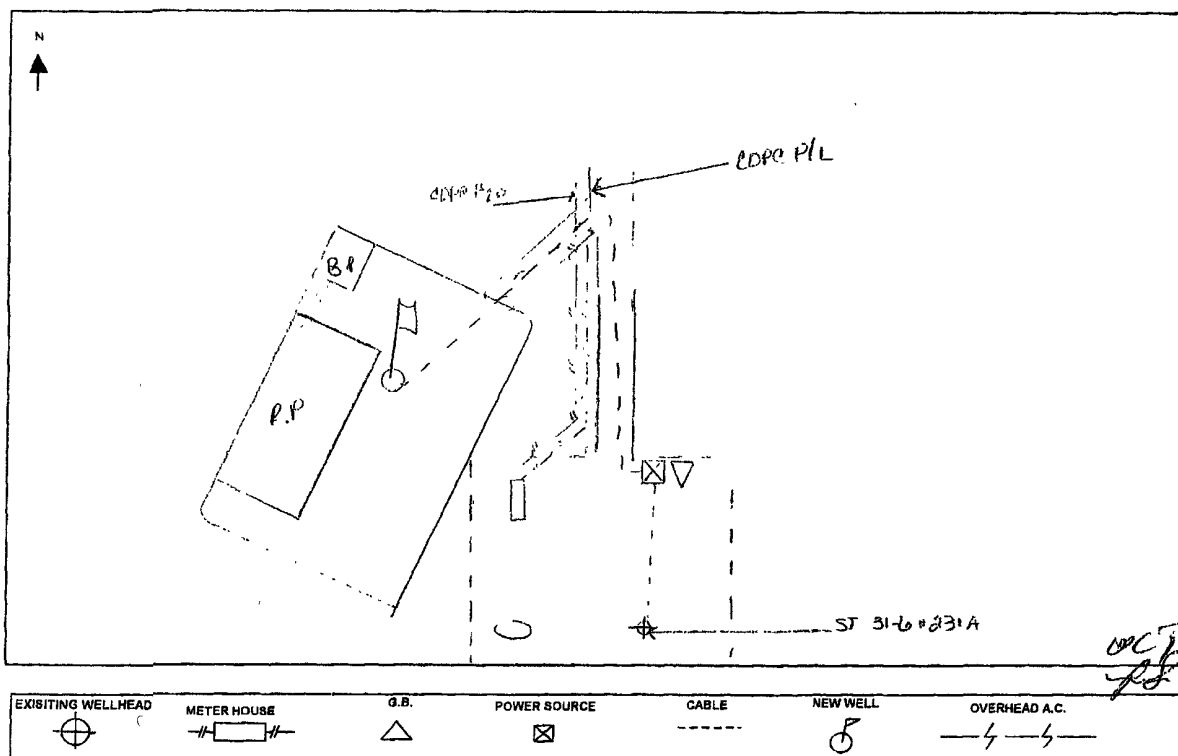


INDUSTRIAL SERVICES
ELECTRICAL COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 31-6 #24F LEGALS 27-31-6 COUNTY Rio Arriba

PURPOSED C.P. SYSYTEM: Upgrade existing lay out on SJ 31-6 #231A to 3-wire 120/208V
bat. Drill new GB on SJ 31-6 #231A. Trench over 1000' of 1/2" pipe from proposed new
to upgraded well on SJ 31-6 #231A.



COMMENTS: 4.5v / 3.2a = 2.03 ohm GB

NEAREST POWER SOURCE ILFS 116AC DISTANCE: 2300'

PIPELINES IN AREA: COPR H2O

TECHNICIAN: V. J. [signature] DATE: 10/5/87

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 UNIT 24F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7197		AFE \$:	
Field Name: 31-6		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Glaser, Terry J		Phone: (832)486-2332		Prod. Engineer:	
Res. Engineer: Pena, David Fernando		Phone: 832-486-2328		Proj. Field Lead: Fransen, Eric E.	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				
Location: Surface		Datum Code: NAD 27		Deviated	
Latitude: 36.872894	Longitude: -107.458201	X:	Y:	Section: 27	Range: 006W
Footage X: 95 FWL	Footage Y: 1780 FNL	Elevation: 6329	(FT)	Township: 031N	
Tolerance:					
Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.869862	Longitude: -107.455929	X: 0.00	Y: 0.00	Section: 27	Range: 006W
Footage X: 760 FWL	Footage Y: 2400 FSL	Elevation:	(FT)	Township: 031N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:	
Formation Data: Assume KB = 6345		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	215	6130	☐		
OJAM	2378	3967	☐		
KRLD	2484	3861	☐		
FRLD	2854	3491	☐		Possible Gas
PCCF	3208	3137	☐		
LEWS	3482	2863	☐		
Intermediate Casing	3900	2445	☐		
HURF	4096	2249	☐		
CHRA	4504	1841	☐		
CLFH	5323	1022	☐		Gas
MENF	5367	978	☐		
PTLK	5630	715	☐	450	
MNCS	5936	409	☐		
GLLP	6918	-573	☐		
GRHN	7634	-1289	☐	2200	
GRRS	7690	-1345	☐		
CBRO	7815	-1470	☐		
CBRL	7859	-1514	☐		
ENCINAL	7929	-1584	☐		TD 10' below T/ENCN
TOTAL DEPTH DK	7939	-1594	☐		

12-1/4" hole. 215' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 170 cu. ft. Circulate cement to surface.

8-3/4" hole. 7", 23.0 ppf, L-80, LT&C casing. Cement with 938 cu. ft. Circulate cement to surface.

6-1/4" hole. 4-1/2", 11.6 ppf, L-80, LT&C casing. Cement with 550 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.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 UNIT 24F

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	San Juan 27E	28-31N-6W-NW, KB = 6480
Production	SJ 31-6 #24	SW 27-31N-6W
Production	SJ 31-6 #24E	NW 27-31N-6W

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
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GR_CBL, MUDLOG 100' above GRHN to TD

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MVNM031N006W27SW1 AND DK 31N06W27SW2 TD 10' below T/ENCN, MUDLOGGER 100' above GRHN to TD. Geo done, cannot subtask.

Zones - MVNM031N006W27SW1 AND DK 31N06W27SW2

General/Work Description - 11/20/06-PAS Added the DK formation. W. PRABOWO-Dakota should be added to the project wit a note that we have to be careful not to perforate below lower cubero top to avoid any water problem. Please make this note in DSM and or in PEEP case so people aware when executing the project.

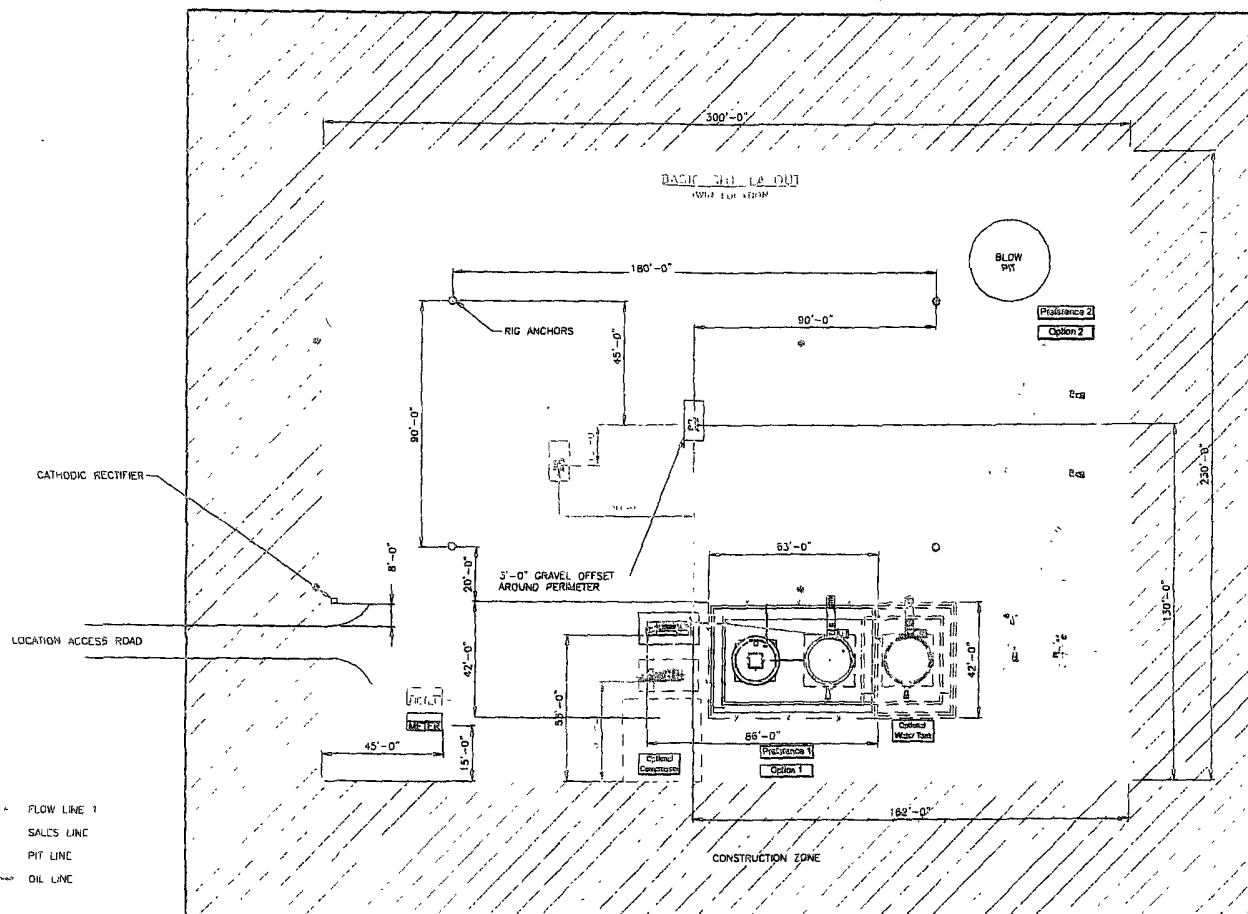
NO LEWIS
MV not in PA.
Directional drilled! This well is in the ACEC.

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 31-6 #24F
Company:	ConocoPhillips Lower 48	TVD Reference:	Generic Rig RKB @ 6344.0ft (Generic Rig)
Project:	San Juan Basin	MD Reference:	Generic Rig RKB @ 6344.0ft (Generic Rig)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 31-6 #24F	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 31-6 #24F		
Design:	ADP Directional Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)	
2,538.1	2,378.0	Ojo		0.00		
2,655.7	2,484.0	Kirtland		0.00		
3,066.3	2,854.0	Fruitland		0.00		
3,456.5	3,208.0	Pictured Cliffs		0.00		
3,743.2	3,482.0	Lewis		0.00		
4,360.6	4,096.0	Huerfano Bentonite		0.00		
4,768.6	4,504.0	Chacra		0.00		
5,587.6	5,323.0	Mass. Cliffhouse		0.00		
5,631.6	5,367.0	Menefee		0.00		
5,894.6	5,630.0	Point Lookout		0.00		
6,200.6	5,936.0	Mancos		0.00		
7,182.6	6,918.0	Upper Gallup		0.00		
7,898.6	7,634.0	Greenhorn		0.00		
7,954.6	7,690.0	Graneros		0.00		
8,079.6	7,815.0	Cubero		0.00		
8,123.6	7,859.0	Lower Cubero		0.00		
8,193.6	7,929.0	Encinal		0.00		
8,203.6	7,939.0	TD		0.00		



FLOW LINE 1
 SALES LINE
 PIT LINE
 OIL LINE

SEE SHEET 2, 3, 4 FOR PIPING DETAILS
 ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 3

										ENGINEERING REVIEW			REFERENCE DRAWINGS		CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		SAN JUAN BUSINESS UNIT		
										PROCESS	DESIGNED	DATE	NO.	DESCRIPTION					
										MECHANICAL						CLIENT APPR.		SHEET NO.	
										PIPING									
										ELECTRICAL					CLIENT APPR.		SHEET NO.		
										I & C									
										CIVIL/STRUCTURAL					CLIENT APPR.		SHEET NO.		
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SAN JUAN 31-6 UNIT #24F, 1780' FNL & 95' FWL
SECTION 27, T-31-N, R-6-W, NMPM, RIO ARRIBA COUNTY, NM
GROUND ELEVATION: 6329' DATE: AUGUST 22, 2006

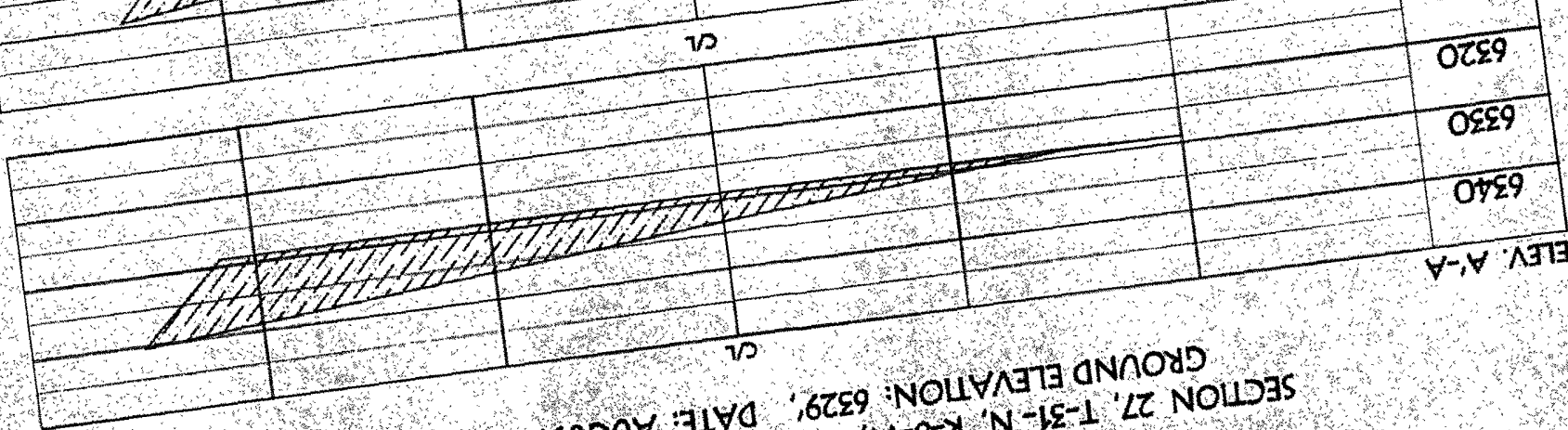


LATITUDE: 36° 52.575'N LONGITUDE: 107° 27' 49.20"W NAD27

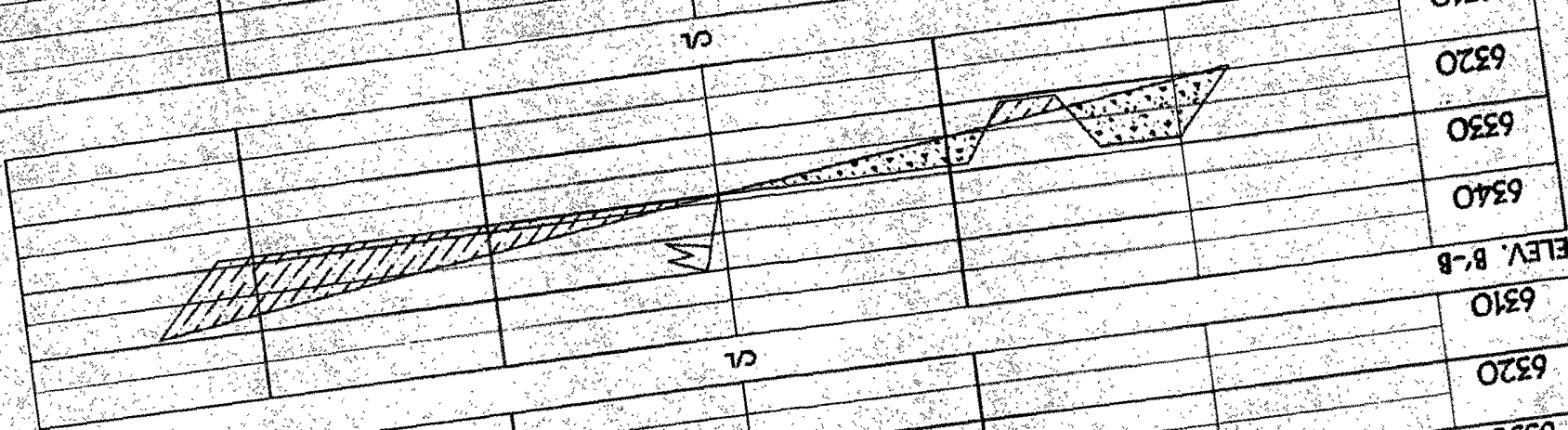
NOTE: VECTOR SURVEYS LLC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CONOCOPHILLIPS COMPANY SAN JUAN 31-6 UNIT 24F, 1780' FNL & 95' FWL SECTION 27, T-31-N, R-6-W, NMPM, RIO ARriba COUNTY, NM GROUND ELEVATION: 6329'; DATE: AUGUST 22, 2006

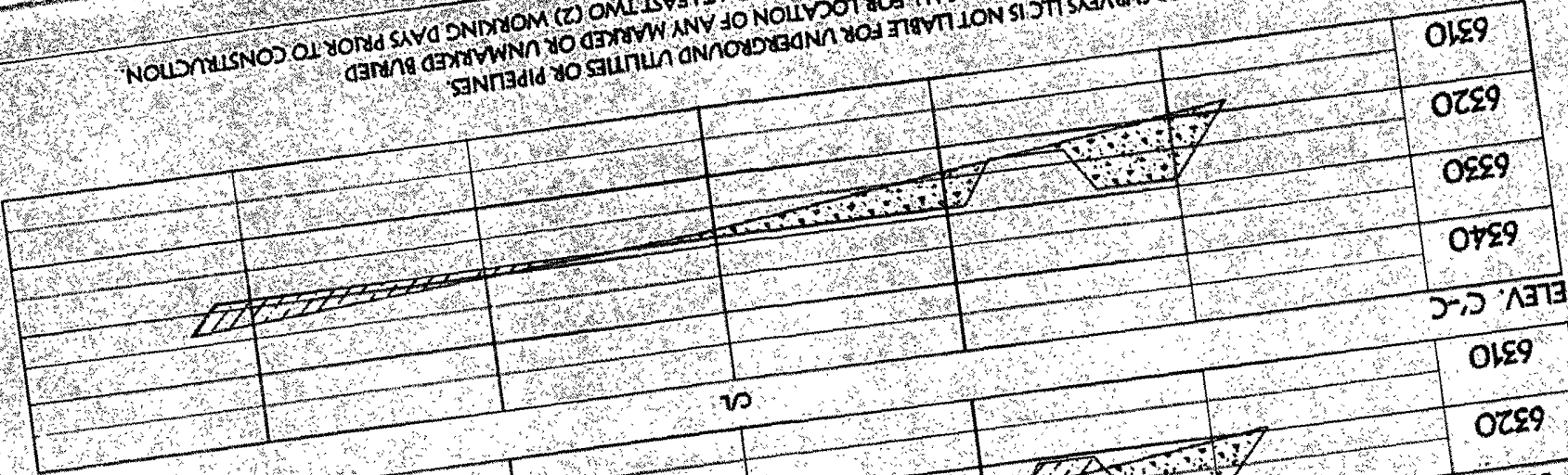
ELEV. A'-A



ELEV. B'-B



ELEV. C'-C



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