

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED**OCT 04 2010**

Sundry Notices and Reports on Wells

Farmington Field Office
Bureau of Land Management

1. Type of Well
GAS

2. Name of Operator

CONOCOPHILLIPS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Surf: Unit E (SWNE), 2495' FNL & 935' FWL, Section 32, T31N, R6W, NMPM
Surf: Unit E (SWNE), 1820' FNL & 1285' FWL, Section 32, T31N, R6W, NMPM

5. Lease Number
E-289-3

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
San Juan 31-6 Unit
NMNM-78421X

8. Well Name & Number
56

9. API Well No.

30-039-30997

10. Field and Pool

Rosa Pictured Cliffs

11. County and State
Rio Arriba Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment
☐ Recompletion
☐ Plugging
☐ Casing Repair
☐ Altering Casing

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

☒ Other - Surface Disturbance

RCVD OCT 21 '10
OIL CONS. DIV.
DIST. 3

13. Describe Proposed or Completed Operations

ConocoPhillips wishes to be granted permission to build and utilize the pad for the subject well which is located on Federal Lands. The APD will be applied with the State NMOCDD office since the mineral jurisdiction is State. Attached are the Plat (C102), topo, pipeline plat, project proposal, directional drill plan, well pad diagram, and the Surface Use Plan. The arch report and EA were submitted to the BLM. The onsite was completed on 03/26/10 with Mike Flanken.

14. I hereby certify that the foregoing is true and correct.

Signed Brandie Blakley Brandie Blakley Title Staff Regulatory Technician Date 10-1-10

(This space for Federal or State Office use)

APPROVED BY [Signature] Title AFM Date 10/19/2010

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCDD

✓

RC

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

Form/C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number' 30-039	'Pool Code' 96175	'Pool Name' Rosa PICTURED CLIFFS
'Property Code' 31328	'Property Name' SAN JUAN 31-6 UNIT	'Well Number' 56
'GRID No. 217817	'Operator Name' CONOCOPHILLIPS COMPANY	'Elevation' 6277'

¹⁰ Surface Location

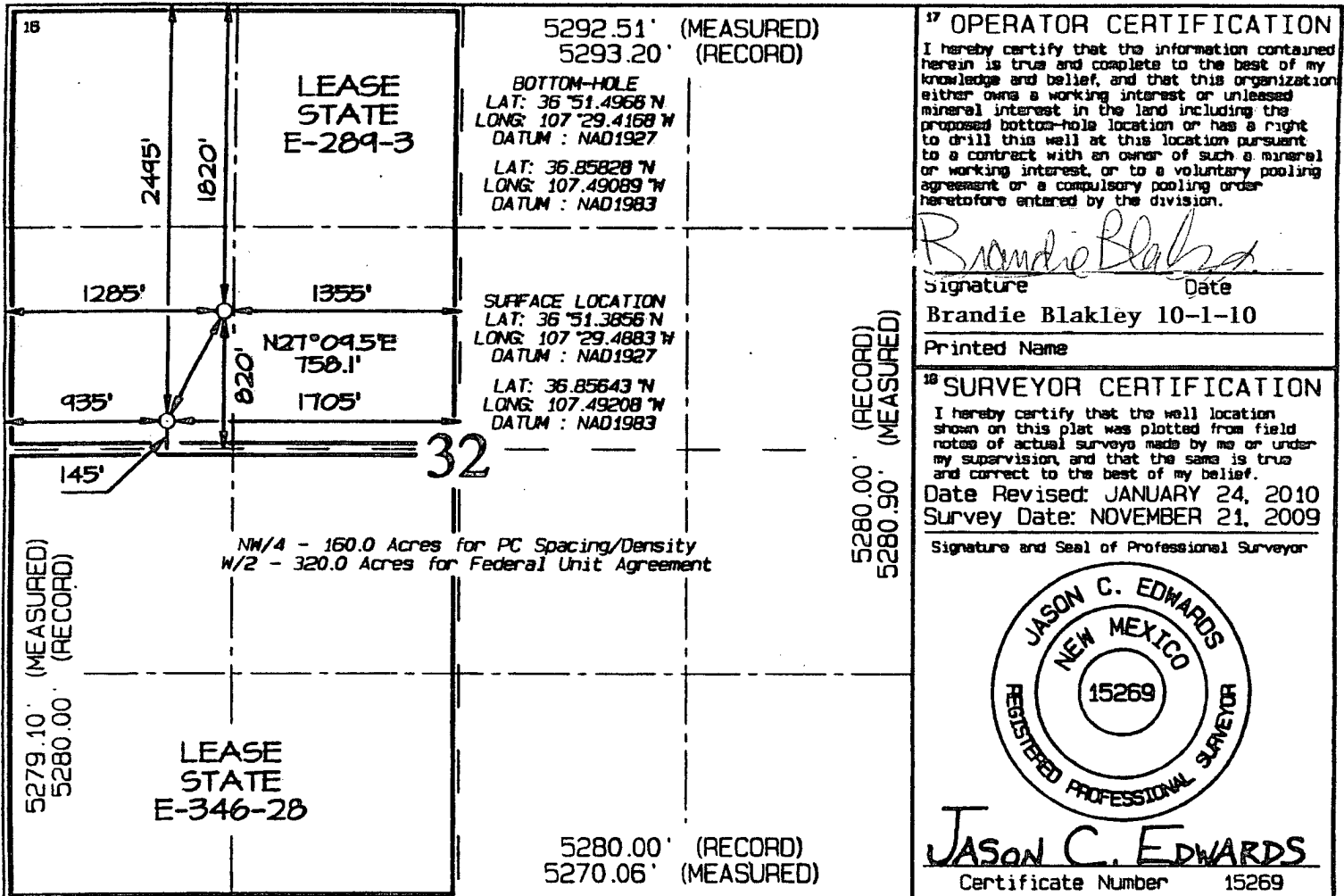
UL or Lot no. E	Section 32	Township 31N	Range 6W	Lot Idn	Feet from the 2495	North/South line NORTH	Feet from the 935	East/West line WEST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or Lot no. E	Section 32	Township 31N	Range 6W	Lot Idn	Feet from the 1820	North/South line NORTH	Feet from the 1285	East/West line WEST	County RIO ARriba
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¹² Dedicated Acres 160.0 Acres - NW/4	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



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 UNIT 56

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8516		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
UPL	BLANCO PICTURED CLIFFS

Location: Surface		Datum Code: NAD 27		Directional	
Latitude: 36.856424	Longitude: -107.491475	X:	Y:	Section: 32	Range: 006W
Footage X: 935 FWL	Footage Y: 2495 FNL	Elevation: 6277	(FT)	Township: 031N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Directional	
Latitude: 36.858274	Longitude: -107.490285	X:	Y:	Section: 32	Range: 006W
Footage X: 1285 FWL	Footage Y: 1820 FNL	Elevation:	(FT)	Township: 031N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2013	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6292 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6172		☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
NACIMIENTO	952	5340		☐			
OJO ALAMO	2195	4097		☐			
KIRTLAND	2318	3974		☐			
FRUITLAND	2770	3522		☐			Gas
PICTURED CLIFFS	3224	3068		☐	1018		Gas; TD - 200' below T/PCCF
Total Depth	3424	2868		☐			6-1/4" hole. 4-1/2" 11.6 ppf, J-55, LTC casing. Cement with 477 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 31-6 45M	31N 6W 31 SE SE SE
Production	SJ 31-6 47	31N 6W 32 SE NW SW
Production	SJ 31-6 46	31N 6W 32 SW NE NE
Production	SJ 31-6 45N	31N 6W 31 SE SE SE

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 UNIT 56

DEVELOPMENT

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
Cased Hole GR / CBL							

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

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico Wells
 Site: San Juan 31 Wells
 Well: SJ 31-6 #56
 Wellbore: Planned
 Design: Plan #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well SJ 31-6 #56
 KB Elevation @ 6293.0ft (Original Well Elev)
 KB Elevation @ 6293.0ft (Original Well Elev)
 True
 Minimum Curvature

Project	San Juan Basin - New Mexico Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	San Juan 31 Wells		
Site Position:		Northing:	782,567,847.23 ft
From:	Lat/Long	Easting:	-103,766,633.21 ft
Position Uncertainty:	15.0 ft	Slot Radius:	"
		Latitude:	36° 50' 45.429 N
		Longitude:	107° 29' 49.149 E
		Grid Convergence:	0.00 °

Well	SJ 31-6 #56, APD Well Plan		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	15.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 51' 23.136 N
		Longitude:	107° 29' 29.298 W
		Ground Level:	6,277.0 ft

Wellbore	Planned		
Magnetics	Model Name	Sample Date	Declination
	BGGM2009	5/28/2010	9.91
			Dip Angle
			63.68
			Field Strength
			50,968

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			(°)
			27.37

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,136.2	25.08	27.37	1,109.7	160.0	82.8	3.00	3.00	0.00	27.37	
2,075.3	25.08	27.37	1,960.3	513.6	265.8	0.00	0.00	0.00	0.00	
2,911.5	0.00	0.00	2,770.0	673.6	348.7	3.00	-3.00	0.00	180.00	Depth to vertical
3,565.5	0.00	0.00	3,424.0	673.6	348.7	0.00	0.00	0.00	0.00	PCP(TD)

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 31-6 #56
Company:	ConocoPhillips SJBU	TVD Reference:	KB Elevation @ 6293.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	KB Elevation @ 6293.0ft (Original Well Elev)
Site:	San Juan 31 Wells	North Reference:	True
Well:	SJ 31-6 #56	Survey Calculation Method:	Minimum Curvature
Wellbore:	Planned		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
7 in Casing									
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	3.00	27.37	400.0	2.3	1.2	2.6	3.00	3.00	0.00
500.0	6.00	27.37	499.6	9.3	4.8	10.5	3.00	3.00	0.00
600.0	9.00	27.37	598.8	20.9	10.8	23.5	3.00	3.00	0.00
700.0	12.00	27.37	697.1	37.1	19.2	41.7	3.00	3.00	0.00
800.0	15.00	27.37	794.3	57.8	29.9	65.1	3.00	3.00	0.00
900.0	18.00	27.37	890.2	83.0	43.0	93.5	3.00	3.00	0.00
965.4	19.96	27.37	952.0	101.9	52.7	114.7	3.00	3.00	0.00
Nacimiento									
1,000.0	21.00	27.37	984.4	112.7	58.3	126.9	3.00	3.00	0.00
1,100.0	24.00	27.37	1,076.8	146.6	75.9	165.1	3.00	3.00	0.00
1,136.2	25.08	27.37	1,109.7	160.0	82.8	180.1	3.00	3.00	0.00
1,200.0	25.08	27.37	1,167.5	184.0	95.3	207.2	0.00	0.00	0.00
1,300.0	25.08	27.37	1,258.1	221.7	114.7	249.6	0.00	0.00	0.00
1,400.0	25.08	27.37	1,348.7	259.3	134.2	292.0	0.00	0.00	0.00
1,500.0	25.08	27.37	1,439.2	297.0	153.7	334.4	0.00	0.00	0.00
1,600.0	25.08	27.37	1,529.8	334.6	173.2	376.8	0.00	0.00	0.00
1,700.0	25.08	27.37	1,620.4	372.3	192.7	419.2	0.00	0.00	0.00
1,800.0	25.08	27.37	1,710.9	409.9	212.2	461.6	0.00	0.00	0.00
1,900.0	25.08	27.37	1,801.5	447.6	231.7	504.0	0.00	0.00	0.00
2,000.0	25.08	27.37	1,892.1	485.2	251.2	546.4	0.00	0.00	0.00
2,075.3	25.08	27.37	1,960.3	513.6	265.8	578.3	0.00	0.00	0.00
2,100.0	24.34	27.37	1,982.7	522.7	270.6	588.6	3.00	-3.00	0.00
2,200.0	21.34	27.37	2,074.8	557.2	288.4	627.4	3.00	-3.00	0.00
2,300.0	18.34	27.37	2,168.9	587.4	304.0	661.4	3.00	-3.00	0.00
2,327.4	17.52	27.37	2,195.0	594.9	307.9	669.8	3.00	-3.00	0.00
Ojo Alamo									
2,400.0	15.34	27.37	2,264.6	613.1	317.4	690.4	3.00	-3.00	0.00
2,455.2	13.69	27.37	2,318.0	625.4	323.7	704.2	3.00	-3.00	0.00
Kirtland									
2,500.0	12.34	27.37	2,361.7	634.3	328.4	714.3	3.00	-3.00	0.00
2,600.0	9.34	27.37	2,459.9	651.0	337.0	733.1	3.00	-3.00	0.00
2,700.0	6.34	27.37	2,558.9	663.2	343.3	746.7	3.00	-3.00	0.00
2,800.0	3.34	27.37	2,658.6	670.7	347.2	755.2	3.00	-3.00	0.00
2,900.0	0.34	27.37	2,758.5	673.5	348.6	758.4	3.00	-3.00	0.00
2,911.5	0.00	0.00	2,770.0	673.6	348.7	758.4	3.00	-3.00	0.00
Fruitland - Depth to vertical									
3,000.0	0.00	0.00	2,858.5	673.6	348.7	758.4	0.00	0.00	0.00
3,100.0	0.00	0.00	2,958.5	673.6	348.7	758.4	0.00	0.00	0.00
3,200.0	0.00	0.00	3,058.5	673.6	348.7	758.4	0.00	0.00	0.00
3,300.0	0.00	0.00	3,158.5	673.6	348.7	758.4	0.00	0.00	0.00
3,365.5	0.00	0.00	3,224.0	673.6	348.7	758.4	0.00	0.00	0.00
Pictured Cliffs									
3,400.0	0.00	0.00	3,258.5	673.6	348.7	758.4	0.00	0.00	0.00
3,500.0	0.00	0.00	3,358.5	673.6	348.7	758.4	0.00	0.00	0.00
3,565.5	0.00	0.00	3,424.0	673.6	348.7	758.4	0.00	0.00	0.00
4-1/2" Casing - PCP(TD)									

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 31-6 #56
Company:	ConocoPhillips SJB	TVD Reference:	KB Elevation @ 6293.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	KB Elevation @ 6293.0ft (Original Well Elev)
Site:	San Juan 31 Wells	North Reference:	True
Well:	SJ 31-6 #56	Survey Calculation Method:	Minimum Curvature
Wellbore:	Planned		
Design:	Plan #1		

Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	
									Latitude
									Longitude
Depth to vertical		0.00	0.00	2,770.0	673.6	348.7	2,131,854.68	600,362.58	36° 51' 29.796 N
- plan hits target center									107° 29' 25.008 W
- Point									
PCP(TD)		0.00	0.00	3,424.0	673.6	348.7	2,131,854.73	600,362.62	36° 51' 29.796 N
- plan hits target center									107° 29' 25.007 W
- Point									

Casing Points					
Measured Depth	Vertical Depth			Casing Diameter	Hole Diameter
(ft)	(ft)	Name		(")	(")
120.0	120.0	7 in Casing		7	8-3/4
3,565.5	3,424.0	4-1/2" Casing		4-1/2	4-1/2

Formations						
Measured Depth	Vertical Depth			Dip	Dip Direction	
(ft)	(ft)	Name		(°)	(°)	
965.4	952.0	Nacimiento		0.00		
3,365.5	3,224.0	Pictured Cliffs		0.00		
2,455.2	2,318.0	Kirtland		0.00		
2,327.4	2,195.0	Ojo Alamo		0.00		
2,911.5	2,770.0	Fruitland		0.00		

REFERENCE INFORMATION

Elevation @ 6293.0ft (Original Well Elev)
Ground Elevation 6277.0
Reference Lat: 36° 51' 23.136 N
Reference Long: 107° 29' 29.298 W

Project: San Juan Basin - New Mexico Wells

Site: San Juan 31 Wells

Well: SJ 31-6 #56

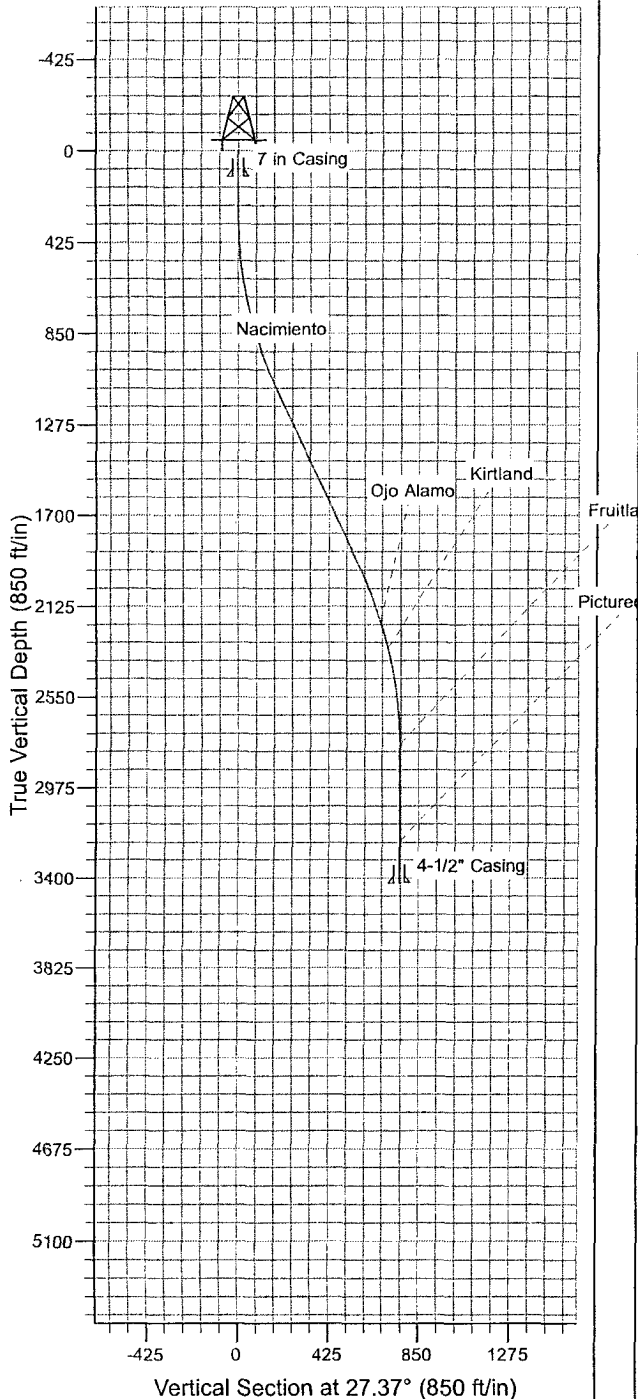
Wellbore: Planned

Design: Plan #1

ConocoPhillips

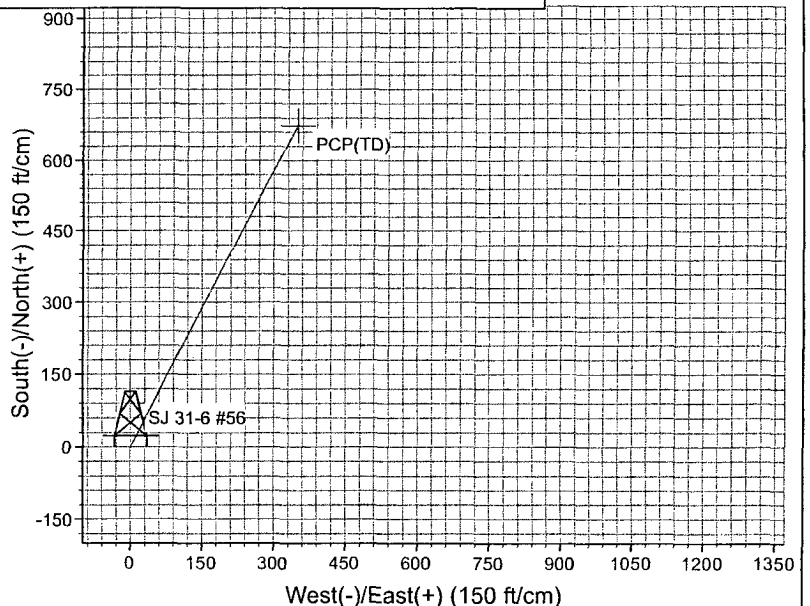
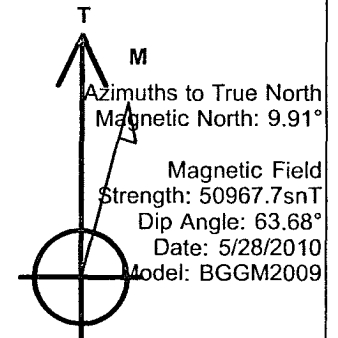
SECTION DETAILS

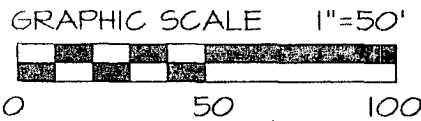
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1136.2	25.08	27.37	1109.7	160.0	82.8	3.00	27.37	180.1	
4	2075.3	25.08	27.37	1960.3	513.6	265.8	0.00	0.00	578.3	
5	2911.5	0.00	0.00	2770.0	673.6	348.7	3.00	180.00	758.4	Depth to vertical
6	3565.5	0.00	0.00	3424.0	673.6	348.7	0.00	0.00	758.4	PCP(TD)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
952.0	965.4	Nacimiento
2195.0	2327.4	Ojo Alamo
2318.0	2455.2	Kirtland
2770.0	2911.5	Fruitland
3224.0	3365.5	Picture Cliffs





LATITUDE: 36°51.3856'N
 LONGITUDE: 107°29.4883'W
 DATUM: NAD1927

~ SURFACE OWNER ~

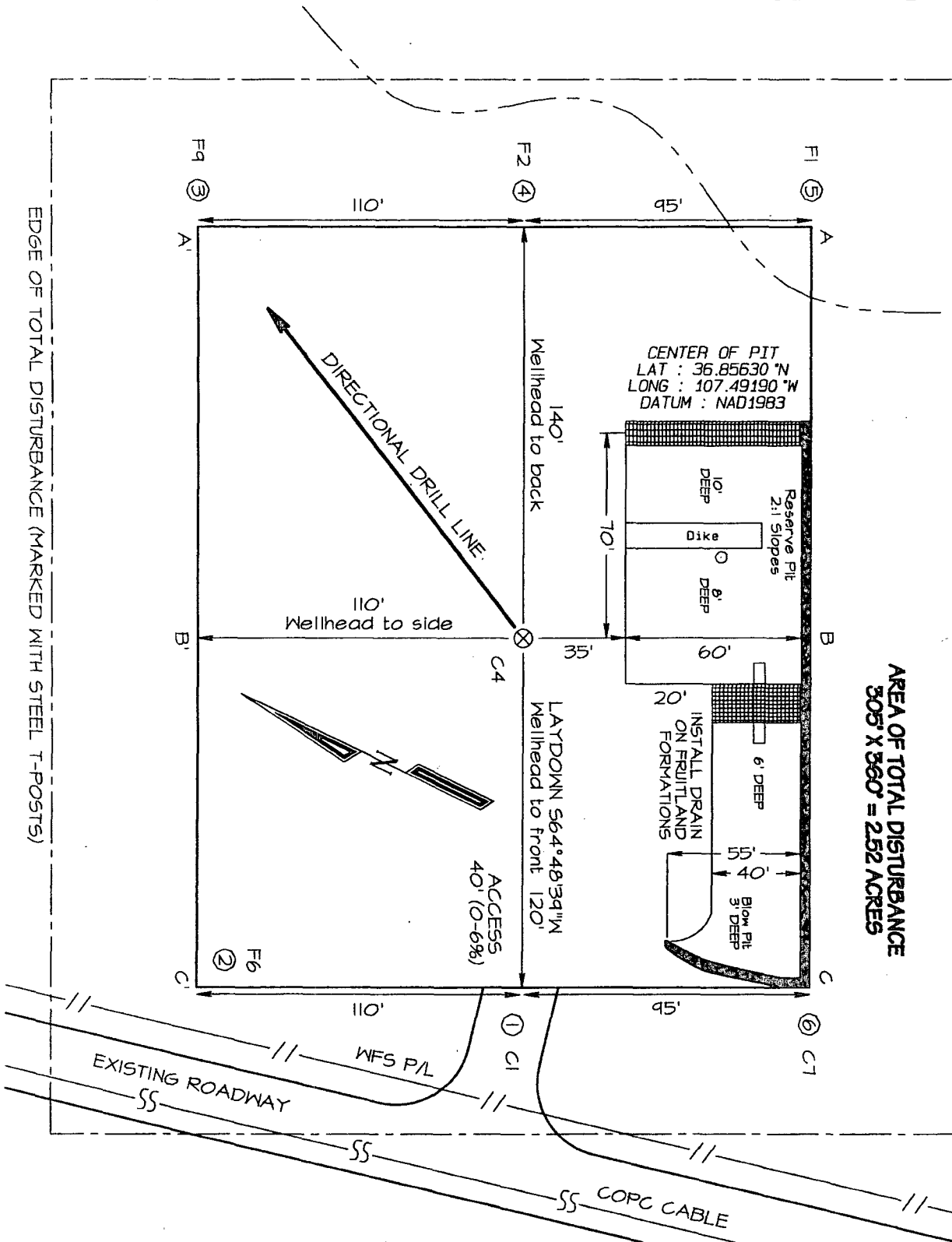
Bureau of Land Management

CONOCOPHILLIPS COMPANY SAN JUAN 31-6 UNIT #56
 2495' FNL & 935' FWL, SECTION 32, T31N, R6W, NMPM
 RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6277'

EDGE OF TOTAL DISTURBANCE (MARKED WITH STEEL T-POSTS)

AREA OF TOTAL DISTURBANCE
 305' X 360' = 252 ACRES

EDGE OF TOTAL DISTURBANCE (MARKED WITH STEEL T-POSTS)



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.