

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

"As Drilled Plat"

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 30-039-30923		*Pool Code 72359 / 71629	*Pool Name BLANCO PICTURED CLIFFS / BASIN FRUITLAND COAL
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 447S
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6202'

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
I	31	30N	7W		2580	SOUTH	705	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
I	31	30N	7W		2612	South	826	East	Rio Arriba
¹² Dedicated Acres 160.0 Acres - SE/4 (PC) 320.0 Acres - E/2 (FC)					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	PCUD APR 4'11 OIL CONS. DIV. DIST. 3	

415.14' 1320.00' 2640.00'

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LOT 5

SE/4 - 160.0 Acres for PC Spacing/Density
E/2 - 320.0 Acres for Federal Unit Agreement

LEASE USA
NM-012709

LAT: 36°46.1433' N
LONG: 107°36.3086' W
DATUM: NAD1927

LAT: 36°76906' N
LONG: 107°50575' W
DATUM: NAD1983

31

29'

1935' 826' 705'

LEASE USA
NM-012709

2612'
2580'

431.64' 1320.00' 2640.00'

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

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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Patsy Clugston
Signature Date

Patsy Clugston

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

Date of Survey: JULY 21, 2009

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

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RCVD APR 4 '11
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 31-T30N-R7W
SJ 30-6 #447S
API # 30-039-30923
Original Hole

API - 30-039-30923

Survey: Actual

Standard Survey Report

This survey is correct to the best of my knowledge and is supported by actual field data.

Richardson

Notarized this date 14th of January, 2011.

Carrie Reed

Notary Signature
County of Midland
State of Texas

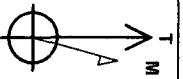




Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
Site: SEC 31-T30N-R7W
Well: SJ 30-6 #447S
Wellbore: Original Hole
Design: Plan #1

ConocoPhillips



Azimuths to True North
Magnetic North: 9.89°
Magnetic Field
Strength: 50832.45nT
Dip Angle: 63.57°
Date: 11/15/2010
Model: BGM2010

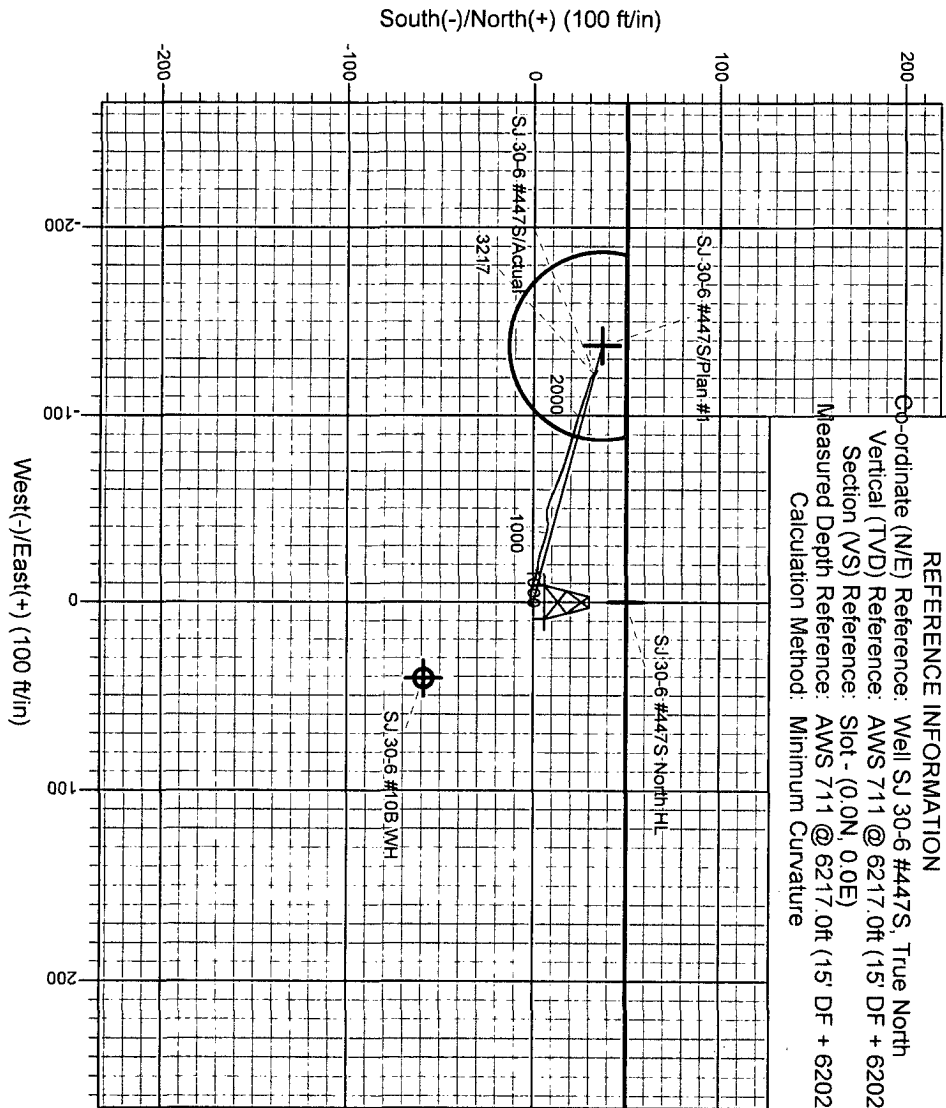
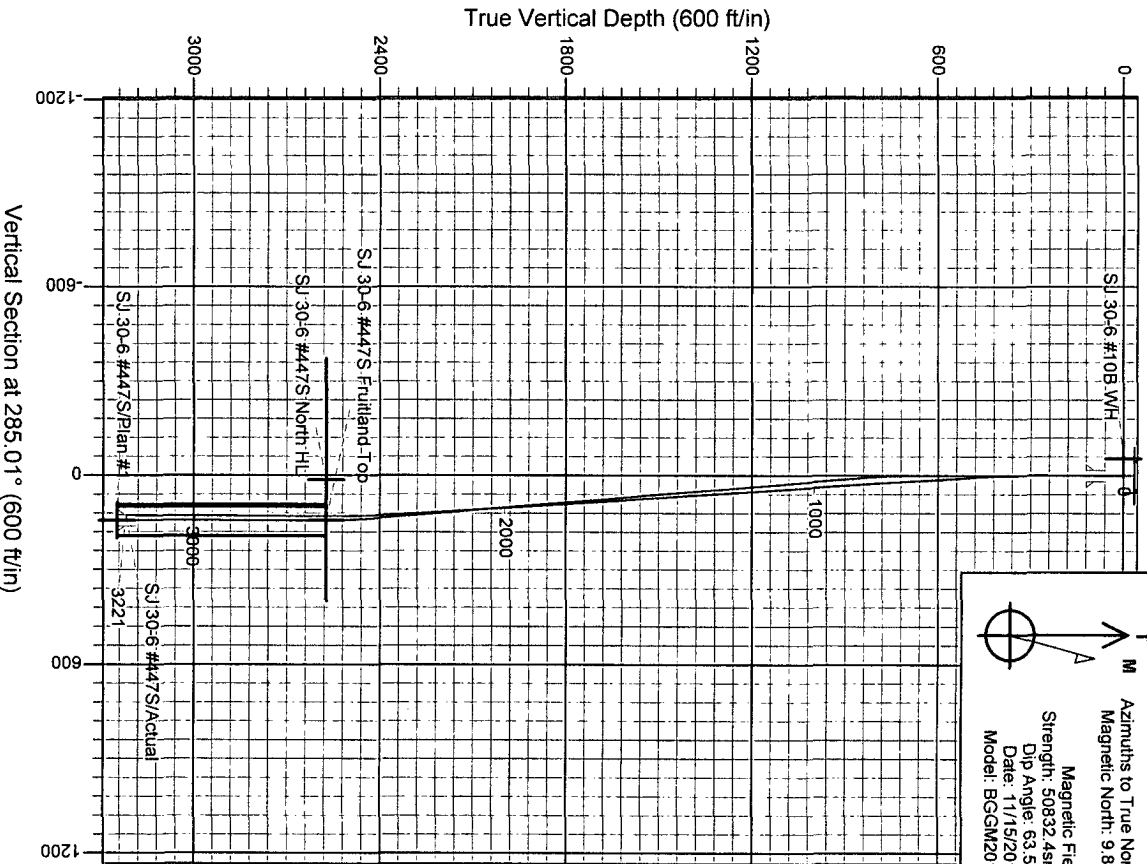
+N/-S
+E/-W
0.0

Northing
2101968.48

WELL DETAILS: SJ 30-6 #447S
AWS 711 @ 6217.0ft (15' DF + 6202' GL)
Ground Level: 6202.0
Easting
103079.99

Latitude
36° 46' 8.598 N
Longitude
107° 36' 18.516 W

Slot



REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 30-6 #447S, True North
Vertical (TVD) Reference: AWS 711 @ 6217.0ft (15' DF + 6202' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 711 @ 6217.0ft (15' DF + 6202' GL)
Calculation Method: Minimum Curvature

COMPANY DETAILS: ConocoPhillips
Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Combined Covariances
Warning Method: Risk Ratio

PROJECT DETAILS: SJB (NM Central)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico Central 3002
System Datum: Mean Sea Level

SITE DETAILS: SEC 31-T30N-R7W
Rio Arriba County NM
Site Centre Latitude: 36° 46' 8.598 N
Longitude: 107° 36' 18.516 W
Positional Uncertainty: 7.5
Convergence: -0.81
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #447S
Project:	SJB (NM Central)	TVD Reference:	AWS 711 @ 6217.0ft (15' DF + 6202' GL)
Site:	SEC 31-T30N-R7W	MD Reference:	AWS 711 @ 6217.0ft (15' DF + 6202' GL)
Well:	SJ 30-6 #447S	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Project	SJB (NM Central), New Mexico, S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico Central 3002		Using geodetic scale factor

Site	SEC 31-T30N-R7W		
Site Position:		Northing:	2,101,968.48 ft
From:	Lat/Long	Easting:	103,079.99 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 46' 8.598 N
		Longitude:	107° 36' 18.516 W
		Grid Convergence:	-0.81 °

Well	SJ 30-6 #447S, FC Nudge		
Well Position	+N/-S	0.0 ft	Northing: 2,101,968.48 ft
	+E/-W	0.0 ft	Easting: 103,079.99 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 46' 8.598 N
		Longitude:	107° 36' 18.516 W
		Ground Level:	6,202.0 ft

Wellbore	Original Hole				
Magnetics	Well Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	11/15/2010	9.89	63.57	50,832

Design	Original Hole			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	285.13

Survey Program	Date 1/14/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
244.0	3,221.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

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
244.0	0.63	121.25	244.0	-0.7	1.1	-1.3	0.26	0.26	0.00
306.0	0.65	241.95	306.0	-1.0	1.1	-1.4	1.79	0.03	194.68
336.0	0.88	250.36	336.0	-1.2	0.8	-1.0	0.85	0.77	28.03
398.0	2.15	272.54	398.0	-1.3	-0.8	0.5	2.22	2.05	35.77
460.0	3.53	272.79	459.9	-1.2	-3.9	3.5	2.23	2.23	0.40
521.0	4.00	280.00	520.8	-0.7	-7.9	7.4	1.09	0.77	11.82
583.0	4.04	295.15	582.6	0.6	-12.0	11.7	1.71	0.06	24.44
613.0	3.41	299.49	612.5	1.5	-13.7	13.6	2.30	-2.10	14.47
675.0	3.13	276.09	674.4	2.6	-17.0	17.1	2.18	-0.45	-37.74
738.0	3.37	272.74	737.3	2.9	-20.6	20.6	0.49	0.38	-5.32
802.0	3.66	287.01	801.2	3.5	-24.4	24.5	1.44	0.45	22.30
867.0	3.70	286.65	866.1	4.7	-28.4	28.7	0.07	0.06	-0.55

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 30-6 #447S
Project:	SJB (NM Central)	TVD Reference:	AWS 711 @ 6217.0ft (15' DF + 6202' GL)
Site:	SEC 31-T30N-R7W	MD Reference:	AWS 711 @ 6217.0ft (15' DF + 6202' GL)
Well:	SJ 30-6 #447S	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

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)
930.0	3.88	287.24	929.0	6.0	-32.4	32.8	0.29	0.29	0.94
995.0	3.79	287.67	993.8	7.3	-36.5	37.2	0.15	-0.14	0.66
1,059.0	3.61	273.22	1,057.7	8.0	-40.6	41.2	1.48	-0.28	-22.58
1,122.0	4.31	257.50	1,120.5	7.6	-44.9	45.3	2.04	1.11	-24.95
1,186.0	4.21	283.98	1,184.4	7.7	-49.5	49.8	3.05	-0.16	41.38
1,250.0	3.45	290.42	1,248.2	8.9	-53.6	54.0	1.36	-1.19	10.06
1,313.0	3.39	291.61	1,311.1	10.3	-57.1	57.8	0.15	-0.10	1.89
1,377.0	3.62	293.23	1,375.0	11.7	-60.7	61.7	0.39	0.36	2.53
1,440.0	3.86	289.91	1,437.8	13.3	-64.5	65.7	0.51	0.38	-5.27
1,503.0	3.67	293.42	1,500.7	14.8	-68.4	69.8	0.47	-0.30	5.57
1,567.0	4.02	287.95	1,564.6	16.3	-72.4	74.1	0.79	0.55	-8.55
1,632.0	4.06	288.71	1,629.4	17.7	-76.7	78.7	0.10	0.06	1.17
1,697.0	3.63	284.27	1,694.3	19.0	-80.9	83.0	0.80	-0.66	-6.83
1,760.0	3.41	285.76	1,757.1	20.0	-84.6	86.9	0.38	-0.35	2.37
1,824.0	3.69	284.05	1,821.0	21.0	-88.5	90.9	0.47	0.44	-2.67
1,887.0	3.80	286.64	1,883.9	22.1	-92.4	95.0	0.32	0.17	4.11
1,951.0	3.52	287.44	1,947.8	23.3	-96.3	99.1	0.44	-0.44	1.25
2,014.0	3.59	286.56	2,010.6	24.4	-100.1	103.0	0.14	0.11	-1.40
2,078.0	3.83	287.92	2,074.5	25.6	-104.0	107.1	0.40	0.38	2.13
2,141.0	3.73	287.08	2,137.4	26.9	-108.0	111.3	0.18	-0.16	-1.33
2,204.0	3.53	289.62	2,200.2	28.1	-111.8	115.2	0.41	-0.32	4.03
2,268.0	3.49	286.69	2,264.1	29.4	-115.5	119.1	0.29	-0.06	-4.58
2,332.0	3.35	288.82	2,328.0	30.5	-119.1	123.0	0.30	-0.22	3.33
2,395.0	2.78	310.51	2,390.9	32.1	-122.0	126.2	2.03	-0.90	34.43
2,458.0	0.55	339.58	2,453.9	33.4	-123.3	127.7	3.67	-3.54	46.14
2,553.0	0.14	305.50	2,548.9	33.9	-123.5	128.1	0.46	-0.43	-35.87
2,649.0	0.20	338.47	2,644.9	34.1	-123.7	128.3	0.12	0.06	34.34
2,743.0	0.18	147.25	2,738.9	34.1	-123.7	128.3	0.40	-0.02	179.55
2,838.0	0.37	107.38	2,833.9	33.9	-123.3	127.9	0.27	0.20	-41.97
2,933.0	0.43	152.85	2,928.9	33.5	-122.9	127.3	0.33	0.06	47.86
3,028.0	0.24	93.61	3,023.9	33.2	-122.5	126.9	0.39	-0.20	-62.36
3,123.0	0.41	99.92	3,118.9	33.1	-122.0	126.4	0.18	0.18	6.64
3,221.0	0.24	156.68	3,216.9	32.9	-121.5	125.9	0.35	-0.17	57.92