

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

Form C-102
Revised October 12, 2005

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

RCVD JUN 3 '10

☐ AMENDED REPORT
OIL CONS. DIV.

"as drilled plat"
WELL LOCATION AND ACREAGE DEDICATION PLAT

DIST. 3

¹ API Number 30-039-30818	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29 - 7 UNIT	⁶ Well Number 75N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6281'

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
J	23	29-N	7-W		1365	SOUTH	1815	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
P	23	29-N	7-W		818	SOUTH	806	EAST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES E/2 MV 320.00 ACRES E/2	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

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.

Tamra Sessions 6/3/10

Signature

Tamra Sessions

Printed Name

¹⁸ SURVEYOR CERTIFICATION

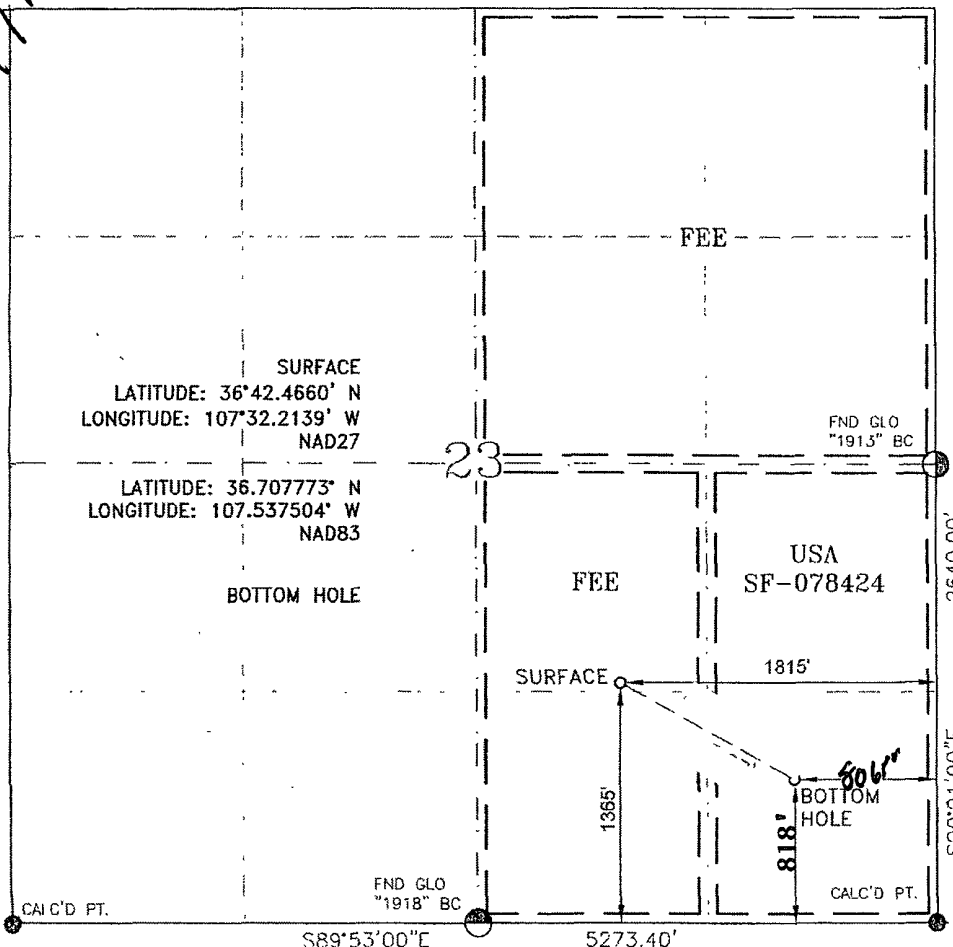
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

12-23-08
Date of Survey

Signature *Glen W. Russell* Licensed Professional Surveyor

Glen W. Russell
15703

Glen W. Russell
Certificate Number 15703





COP Deviation Report
SAN JUAN 29-7 UNIT #75N

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 29-7 UNIT #75N	API / UWI 3003930818	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 023-029N-007W-J	N/S Dist (ft) 1,365.00	N/S Ref FSL	E/W Dist (ft) 1,815.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
3/16/2010	130.00	1.00	Inc-WL	MOTE
3/16/2010	235.00	1.00	Inc-WL	MOTE
3/18/2010	265.00	1.02	IncAzi-MWD	Scientific Drilling
3/18/2010	327.00	0.36	IncAzi-MWD	Scientific Drilling
3/19/2010	389.00	1.31	IncAzi-MWD	Scientific Drilling
3/19/2010	451.00	2.70	IncAzi-MWD	Scientific Drilling
3/19/2010	512.00	4.96	IncAzi-MWD	Scientific Drilling
3/19/2010	573.00	6.64	IncAzi-MWD	Scientific Drilling
3/19/2010	633.00	8.40	IncAzi-MWD	Scientific Drilling
3/19/2010	694.00	10.46	IncAzi-MWD	Scientific Drilling
3/19/2010	754.00	12.20	IncAzi-MWD	Scientific Drilling
3/19/2010	848.00	15.78	IncAzi-MWD	Scientific Drilling
3/19/2010	938.00	18.98	IncAzi-MWD	Scientific Drilling
3/19/2010	1,028.00	21.92	IncAzi-MWD	Scientific Drilling
3/19/2010	1,118.00	24.55	IncAzi-MWD	Scientific Drilling
3/19/2010	1,208.00	26.71	IncAzi-MWD	Scientific Drilling
3/19/2010	1,298.00	28.80	IncAzi-MWD	Scientific Drilling
3/19/2010	1,388.00	28.74	IncAzi-MWD	Scientific Drilling
3/19/2010	1,478.00	29.06	IncAzi-MWD	Scientific Drilling
3/19/2010	1,568.00	29.52	IncAzi-MWD	Scientific Drilling
3/19/2010	1,658.00	29.33	IncAzi-MWD	Scientific Drilling
3/19/2010	1,748.00	29.80	IncAzi-MWD	Scientific Drilling
3/19/2010	1,837.00	30.49	IncAzi-MWD	Scientific Drilling
3/19/2010	1,927.00	29.16	IncAzi-MWD	Scientific Drilling
3/19/2010	2,017.00	28.41	IncAzi-MWD	Scientific Drilling
3/19/2010	2,107.00	29.28	IncAzi-MWD	Scientific Drilling
3/19/2010	2,197.00	29.07	IncAzi-MWD	Scientific Drilling
3/19/2010	2,287.00	29.20	IncAzi-MWD	Scientific Drilling
3/20/2010	2,376.00	26.67	IncAzi-MWD	Scientific Drilling
3/20/2010	2,466.00	27.44	IncAzi-MWD	Scientific Drilling
3/20/2010	2,556.00	26.48	IncAzi-MWD	Scientific Drilling
3/20/2010	2,646.00	24.45	IncAzi-MWD	Scientific Drilling
3/20/2010	2,735.00	23.18	IncAzi-MWD	Scientific Drilling
3/20/2010	2,825.00	23.12	IncAzi-MWD	Scientific Drilling
3/20/2010	2,915.00	21.09	IncAzi-MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
3/20/2010	3,005.00	18.72	IncAzi-MWD	Scientific Drilling	
3/20/2010	3,095.00	16.56	IncAzi-MWD	Scientific Drilling	
3/20/2010	3,185.00	14.30	IncAzi-MWD	Scientific Drilling	
3/20/2010	3,275.00	11.94	IncAzi-MWD	Scientific Drilling	
3/20/2010	3,365.00	10.58	IncAzi-MWD	Scientific Drilling	
3/20/2010	3,455.00	9.53	IncAzi-MWD	Scientific Drilling	
3/20/2010	3,545.00	7.27	IncAzi-MWD	Scientific Drilling	
3/20/2010	3,671.00	3.91	IncAzi-MWD	Scientific Drilling	
3/27/2010	7,756.00	1.25	Inc-WL	PHOENIX	

RCVD JUN 3 '10
OIL CONS. DIV.
DIST. 3

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

[Signature]

Subscribed and sworn to me this 6/2/10

Tamara D. Jossim

Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/12

RCVD JUN 3 '10
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 23-T29N-R7W
SJ 29-7 #75N

Original Hole

Survey: Actual

Standard Survey Report

20 April, 2010

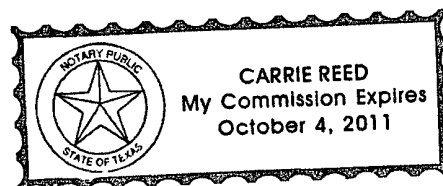
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notorized this date 20th of April, 2010.

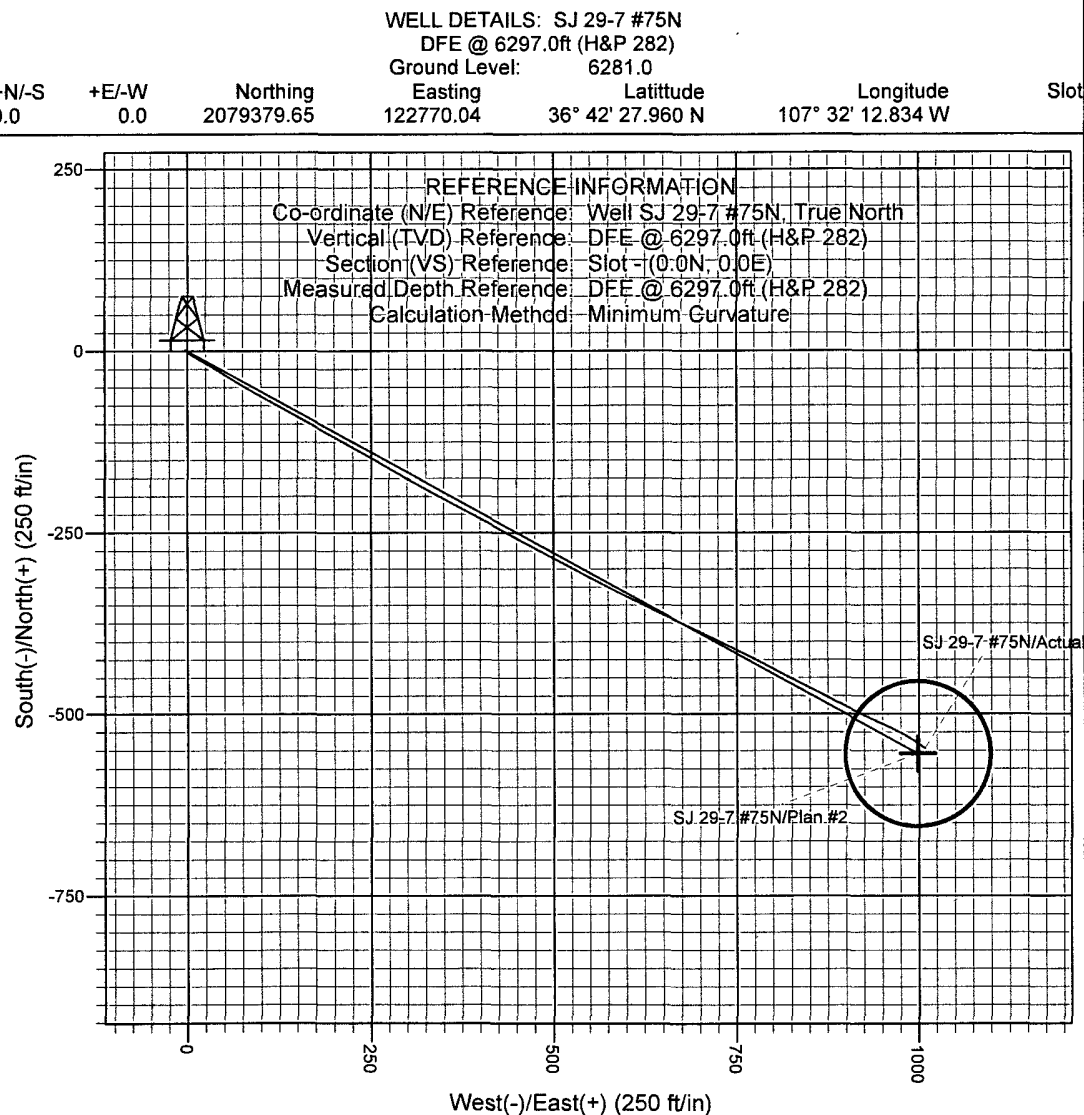
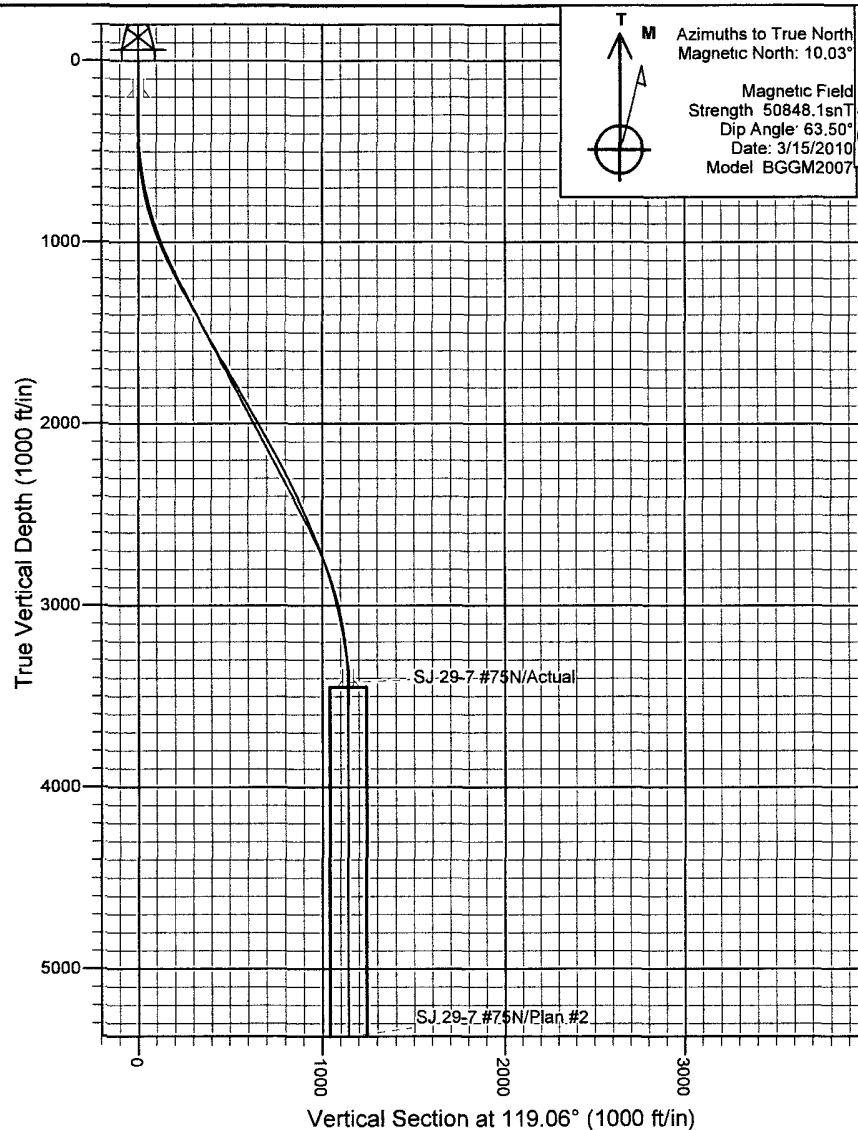
Carrie Reed

Notary Signature
County of Midland
State of Texas





Project: SJB (NM Central)
SEC 23-T29N-R7W
Well: SJ 29-7 #75N
Wellbore: Original Hole
Design: Plan #2
Site:



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 23-T29N-R7W
Rio Arriba County NM
Site Centre Latitude: 36° 42' 50.856 N
Longitude: 107° 32' 12.762 W
Positional Uncertainty: 0.0
Convergence: -0.77
Local North: True

Scientific Drilling International, Inc.
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 29-7 #75N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6297.0ft (H&P 282)
Site:	SEC 23-T29N-R7W	MD Reference:	DFE @ 6297.0ft (H&P 282)
Well:	SJ 29-7 #75N	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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 23-T29N-R7W		
Site Position:		Northing:	2,081,695.01 ft
From:	Lat/Long	Easting:	122,806.99 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 42' 50.856 N
		Longitude:	107° 32' 12.762 W
		Grid Convergence:	-0.77 °

Well	SJ 29-7 #75N, S-Type MV/DK Wells		
Well Position	+N/-S	0.0 ft	Northing: 2,079,379.65 ft
	+E/-W	0.0 ft	Easting: 122,770.04 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 42' 27.960 N
		Longitude:	107° 32' 12.834 W
		Ground Level:	6,281.0 ft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2007	3/15/2010	10.03
			Dip Angle (°)
			63.50
			Field Strength (nT)
			50,848

Design	As Drilled		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)
	0.0	0.0	0.0
			Direction (°)
			119.06

Survey Program	Date	4/20/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
265.0	3,727.0	SDI MWD (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
265.0	1.02	304.36	265.0	1.3	-1.9	-2.3	0.38	0.38	0.00
327.0	0.36	280.21	327.0	1.7	-2.6	-3.1	1.14	-1.06	-38.95
389.0	1.31	127.53	389.0	1.3	-2.2	-2.6	2.64	1.53	-246.26
451.0	2.70	131.83	450.9	-0.1	-0.6	-0.4	2.25	2.24	6.94
512.0	4.96	129.20	511.8	-2.8	2.5	3.6	3.72	3.70	-4.31
573.0	6.64	123.52	572.5	-6.4	7.5	9.7	2.91	2.75	-9.31
633.0	8.40	121.53	632.0	-10.6	14.2	17.5	2.96	2.93	-3.32
694.0	10.46	119.28	692.1	-15.6	22.8	27.5	3.43	3.38	-3.69
754.0	12.20	121.81	751.0	-21.6	32.9	39.3	3.02	2.90	4.22
848.0	15.78	121.79	842.2	-33.6	52.2	62.0	3.81	3.81	-0.02
938.0	18.98	121.20	928.0	-47.6	75.2	88.8	3.56	3.56	-0.66
1,028.0	21.92	119.63	1,012.4	-63.5	102.3	120.3	3.32	3.27	-1.74

Scientific Drilling International, Inc.
Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well SJ 29-7 #75N
Project:	SJB (NM Central)	TVD Reference:	DFE @ 6297 0ft (H&P 282)
Site:	SEC 23-T29N-R7W	MD Reference:	DFE @ 6297 0ft (H&P 282)
Well:	SJ 29-7 #75N	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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)
1,118.0	24.55	118.92	1,095.1	-80.9	133.3	155.8	2.94	2.92	-0.79
1,208.0	26.71	119.37	1,176.2	-99.8	167.3	194.7	2.41	2.40	0.50
1,298.0	28.80	119.56	1,255.8	-120.4	203.7	236.6	2.32	2.32	0.21
1,388.0	28.74	119.94	1,334.7	-141.9	241.3	279.9	0.21	-0.07	0.42
1,478.0	29.06	120.69	1,413.5	-163.9	278.9	323.4	0.54	0.36	0.83
1,568.0	29.52	118.66	1,492.0	-185.7	317.1	367.4	1.22	0.51	-2.26
1,658.0	29.33	117.76	1,570.4	-206.6	356.1	411.6	0.53	-0.21	-1.00
1,748.0	29.80	118.72	1,648.7	-227.6	395.2	456.0	0.74	0.52	1.07
1,837.0	30.49	119.35	1,725.7	-249.3	434.3	500.7	0.85	0.78	0.71
1,927.0	29.16	118.29	1,803.7	-270.9	473.5	545.5	1.59	-1.48	-1.18
2,017.0	28.41	118.04	1,882.6	-291.3	511.7	588.8	0.84	-0.83	-0.28
2,107.0	29.28	118.03	1,961.4	-311.7	550.0	632.2	0.97	0.97	-0.01
2,197.0	29.07	117.10	2,040.0	-332.0	588.9	676.1	0.56	-0.23	-1.03
2,287.0	29.20	117.00	2,118.6	-352.0	628.0	719.9	0.15	0.14	-0.11
2,376.0	26.67	115.70	2,197.3	-370.5	665.3	761.5	2.92	-2.84	-1.46
2,466.0	27.44	115.49	2,277.4	-388.2	702.2	802.4	0.86	0.86	-0.23
2,556.0	26.48	116.62	2,357.6	-406.1	738.9	843.1	1.21	-1.07	1.26
2,646.0	24.45	117.23	2,438.9	-423.6	773.4	881.8	2.27	-2.26	0.68
2,735.0	23.18	118.46	2,520.3	-440.4	805.2	917.7	1.53	-1.43	1.38
2,825.0	23.12	117.00	2,603.1	-456.8	836.5	953.1	0.64	-0.07	-1.62
2,915.0	21.09	117.82	2,686.4	-472.4	866.6	986.9	2.28	-2.26	0.91
3,005.0	18.72	116.70	2,771.1	-486.5	893.8	1,017.6	2.67	-2.63	-1.24
3,095.0	16.56	116.28	2,856.8	-498.6	918.2	1,044.8	2.40	-2.40	-0.47
3,185.0	14.30	115.12	2,943.6	-509.0	939.8	1,068.7	2.53	-2.51	-1.29
3,275.0	11.94	113.39	3,031.2	-517.5	958.4	1,089.1	2.66	-2.62	-1.92
3,365.0	10.58	118.66	3,119.5	-525.1	974.2	1,106.6	1.89	-1.51	5.86
3,455.0	9.53	121.57	3,208.1	-533.0	987.8	1,122.3	1.30	-1.17	3.23
3,545.0	7.27	125.93	3,297.1	-540.2	998.7	1,135.4	2.61	-2.51	4.84
3,671.0	3.91	123.93	3,422.5	-547.3	1,008.7	1,147.6	2.67	-2.67	-1.59

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 29-7 #75A WH - survey misses target center by 101.1ft at 0.6ft MD (0.6 TVD, 0.0 N, 0.0 E) - Point	0.00	0.00	0.0	99.7	-16.6	2,079,479.57	122,754.78	36° 42' 28.946 N	107° 32' 13.038 W
SJ 29-7 #75N ICP - survey misses target center by 29.4ft at 3671.0ft MD (3422.5 TVD, -547.3 N, 1008.7 E) - Circle (radius 100.0)	0.00	0.00	3,449.0	-554.6	998.2	2,078,811.67	123,760.77	36° 42' 22.476 N	107° 32' 0.576 W
SJ 29-7 #75N PCP - survey misses target center by 4146.5ft at 3671.0ft MD (3422.5 TVD, -547.3 N, 1008.7 E) - Circle (radius 100.0)	0.00	0.00	7,569.0	-554.6	998.2	2,078,811.67	123,760.77	36° 42' 22.476 N	107° 32' 0.576 W