RCVD MAY 11 '12
OIL CONS. DIV.
DIST. 3

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
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-039-31039	71599 / 72319	BASIN DAKOTA / BLANCO MESAVERDE

4 Property Code	5 Property Name	6 Well Number
7452	SAN JUAN 27-4 UNIT	135M

7 OGRID No.	8 Operator Name	9 Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY LP	7274

10 SURFACE LOCATION

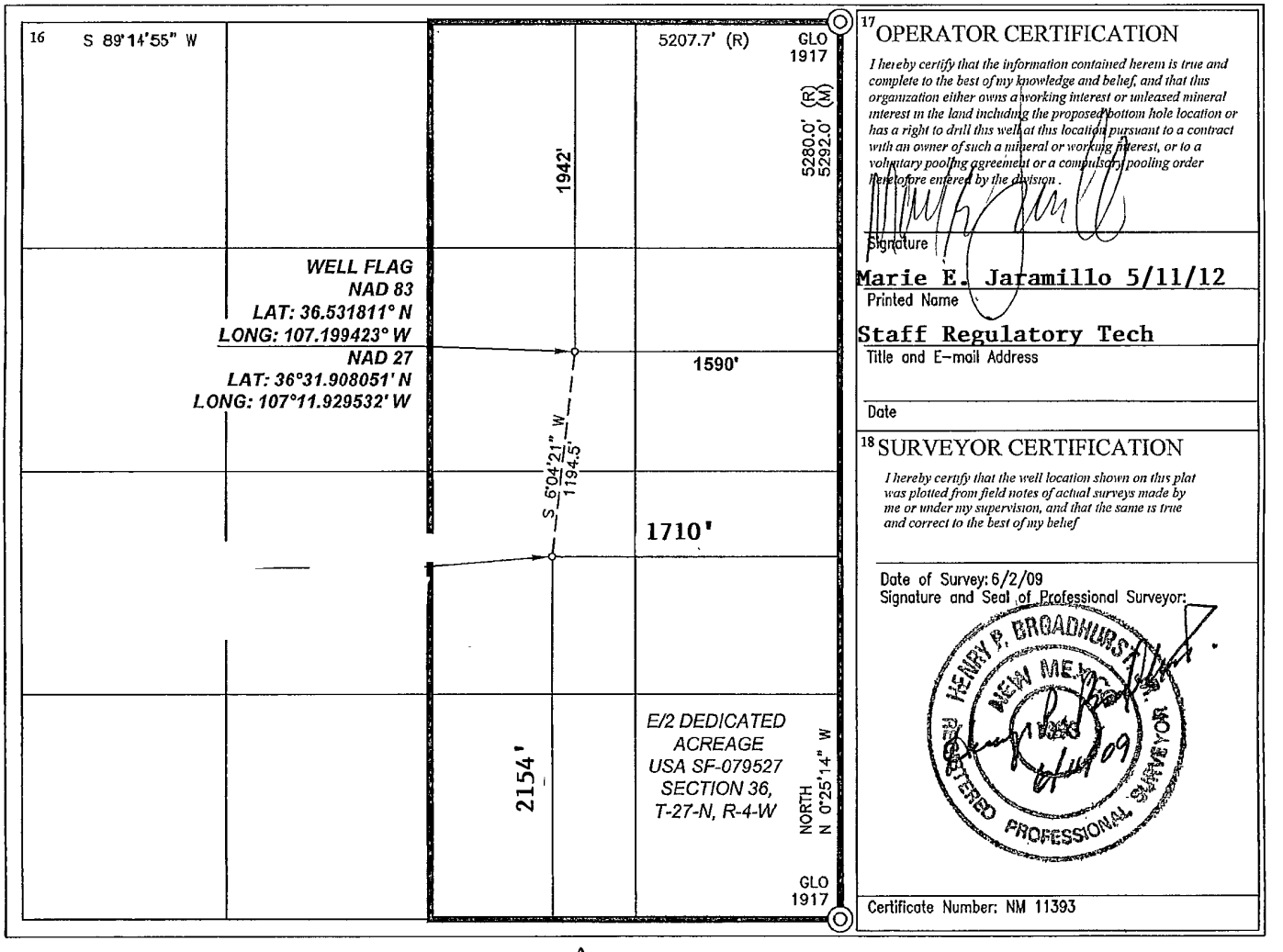
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	36	27-N	4-W		1942	NORTH	1590	EAST	RIO ARRIBA

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
J	36	27-N	4-W		2154'	SOUTH	1710'	EAST	RIO ARRIBA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320.00			

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.

Signature

Marie E. Jaramillo 5/11/12
Printed Name

Staff Regulatory Tech
Title and E-mail Address

Date

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: 6/2/09
Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST
NEW MEXICO
6/4/09
REGISTERED PROFESSIONAL SURVEYOR

Certificate Number: NM 11393

ConocoPhillips

COP Deviation Report

SAN JUAN 27-4 UNIT #135M

Operator	Legal WellName	API / UWI	County	State/Province
BURLINGTON RESOURCES OIL & GAS COMPANY LP	SAN JUAN 27-4 UNIT #135M	3003931039	RIO ARRIBA	NEW MEXICO

Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
036-027N-004W-G	1,942.00	FNL	1,590 00	FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
7/26/2011	130.00	0.75		Inc-WL	MOTE
7/26/2011	236.00	1.00		Inc-WL	MOTE
9/27/2011	333 00	0.79	254 15	IncAzi-MWD	Scientific Drilling
9/27/2011	395 00	1.51	230 32	IncAzi-MWD	Scientific Drilling
9/27/2011	457 00	2 45	206 87	IncAzi-MWD	Scientific Drilling
9/27/2011	518 00	3 69	202 06	IncAzi-MWD	Scientific Drilling
9/27/2011	580 00	5.19	200.03	IncAzi-MWD	Scientific Drilling
9/27/2011	641 00	6 31	194.98	IncAzi-MWD	Scientific Drilling
9/27/2011	702 00	7.61	193 43	IncAzi-MWD	Scientific Drilling
9/27/2011	763.00	8 74	191 93	IncAzi-MWD	Scientific Drilling
9/27/2011	825 00	9 74	188 53	IncAzi-MWD	Scientific Drilling
9/27/2011	885 00	10.99	188.71	IncAzi-MWD	Scientific Drilling
9/27/2011	948.00	12 52	187.65	IncAzi-MWD	Scientific Drilling
9/27/2011	1,011 00	13 82	184.28	IncAzi-MWD	Scientific Drilling
9/27/2011	1,075 00	15 30	183.74	IncAzi-MWD	Scientific Drilling
9/27/2011	1,138 00	16 70	183.65	IncAzi-MWD	Scientific Drilling
9/27/2011	1,202 00	18.08	184.05	IncAzi-MWD	Scientific Drilling
9/27/2011	1,266 00	19.51	184.89	IncAzi-MWD	Scientific Drilling
9/27/2011	1,329.00	20 69	187.00	IncAzi-MWD	Scientific Drilling
9/27/2011	1,393 00	21.67	187.38	IncAzi-MWD	Scientific Drilling
9/27/2011	1,456 00	21.67	185.95	IncAzi-MWD	Scientific Drilling
9/27/2011	1,520 00	21.76	185.77	IncAzi-MWD	Scientific Drilling
9/27/2011	1,584.00	22 58	186.29	IncAzi-MWD	Scientific Drilling
9/27/2011	1,647.00	22 44	184.14	IncAzi-MWD	Scientific Drilling
9/27/2011	1,711.00	23.23	186.21	IncAzi-MWD	Scientific Drilling
9/27/2011	1,774.00	23.70	185.81	IncAzi-MWD	Scientific Drilling
9/27/2011	1,838.00	23.38	185.22	IncAzi-MWD	Scientific Drilling
9/27/2011	1,901.00	23.45	183.77	IncAzi-MWD	Scientific Drilling
9/27/2011	1,965.00	23.17	184.12	IncAzi-MWD	Scientific Drilling
9/27/2011	2,028.00	22.49	184.20	IncAzi-MWD	Scientific Drilling
9/27/2011	2,092 00	22.39	183.30	IncAzi-MWD	Scientific Drilling
9/27/2011	2,155 00	22 65	184.43	IncAzi-MWD	Scientific Drilling
9/27/2011	2,219 00	22.33	186.13	IncAzi-MWD	Scientific Drilling
9/28/2011	2,283 00	22.67	186.77	IncAzi-MWD	Scientific Drilling
9/28/2011	2,346 00	22.69	186.21	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.

_____

Subcribed and sworn to me this _____

RCVD MAY 11 '12

OIL CONS. DIV.

DIST. 3

_____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Report Printed: 5/11/2012

ConocoPhillips

COP Deviation Report

SAN JUAN 27-4 UNIT #135M

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
9/28/2011	2,410 00	23 09	186.39	IncAzi-MWD	Scientific Drilling
9/28/2011	2,473 00	23 91	185.89	IncAzi-MWD	Scientific Drilling
9/28/2011	2,536.00	23 96	185.24	IncAzi-MWD	Scientific Drilling
9/28/2011	2,600 00	23 13	185.93	IncAzi-MWD	Scientific Drilling
9/28/2011	2,664 00	22 23	185.32	IncAzi-MWD	Scientific Drilling
9/28/2011	2,727.00	21.34	185.04	IncAzi-MWD	Scientific Drilling
9/28/2011	2,791.00	21.05	185.03	IncAzi-MWD	Scientific Drilling
9/28/2011	2,854 00	20 25	184.09	IncAzi-MWD	Scientific Drilling
9/28/2011	2,918.00	19.52	184.20	IncAzi-MWD	Scientific Drilling
9/28/2011	2,981.00	19.12	184.11	IncAzi-MWD	Scientific Drilling
9/28/2011	3,045 00	20.17	185 35	IncAzi-MWD	Scientific Drilling
9/28/2011	3,108.00	19.47	183.89	IncAzi-MWD	Scientific Drilling
9/28/2011	3,171.00	20.26	184.54	IncAzi-MWD	Scientific Drilling
9/28/2011	3,235.00	20.67	184 59	IncAzi-MWD	Scientific Drilling
9/28/2011	3,299 00	21.23	184 47	IncAzi-MWD	Scientific Drilling
9/28/2011	3,362.00	21.65	183.25	IncAzi-MWD	Scientific Drilling
9/28/2011	3,425 00	22.09	183 77	IncAzi-MWD	Scientific Drilling
9/28/2011	3,488.00	21.58	184 11	IncAzi-MWD	Scientific Drilling
9/28/2011	3,552.00	20.94	183.61	IncAzi-MWD	Scientific Drilling
9/28/2011	3,616 00	21.29	184 15	IncAzi-MWD	Scientific Drilling
9/28/2011	3,679 00	20.58	184 46	IncAzi-MWD	Scientific Drilling
9/28/2011	3,743.00	18.83	184 79	IncAzi-MWD	Scientific Drilling
9/28/2011	3,806 00	18.35	184 84	IncAzi-MWD	Scientific Drilling
9/28/2011	3,870 00	17.01	184.84	IncAzi-MWD	Scientific Drilling
9/28/2011	3,934 00	15.53	189 05	IncAzi-MWD	Scientific Drilling
9/28/2011	3,997.00	13.48	189.08	IncAzi-MWD	Scientific Drilling
9/28/2011	4,061.00	11.74	186.30	IncAzi-MWD	Scientific Drilling
9/28/2011	4,124 00	9.54	186.94	IncAzi-MWD	Scientific Drilling
9/28/2011	4,188.00	6.97	183.66	IncAzi-MWD	Scientific Drilling
9/28/2011	4,250 00	5 24	179 37	IncAzi-MWD	Scientific Drilling
9/28/2011	4,315 00	4 17	184 43	IncAzi-MWD	Scientific Drilling
9/28/2011	4,379 00	3 18	196.93	IncAzi-MWD	Scientific Drilling
9/28/2011	4,448 00	2 23	199 74	IncAzi-MWD	Scientific Drilling
9/29/2011	4,500 00	2 23	199 74	Projection	Scientific Drilling
4/5/2012	8,592 00	1 50		Inc-WL	Phoenix Services LLC

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.

Subcribed and sworn to me this 5/10/12.

Notary Public in and for San Juan County, New Mexico

My Commission expires 9/28/14

Report Printed: 5/11/2012

Scientific Drilling
Directional Drilling Operations

ConocoPhillips

SJB (NM Central)
SEC 36-T27N-R4W
SJ 27-4 #135M

Original Hole

Design: Original Hole

API # 30039310 39

Standard Survey Report

10 October, 2011

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

Notarized this date 10th of October, 2011.

Notary Signature
County of Natrona
State of Wyoming

NOTARY PUBLIC
DARCI D. NEAL
STATE OF WYOMING
COUNTY OF NATRONA
My Commission Expires Oct. 21, 2014

ConocoPhillips

Scientific Drilling
Directional Drilling Operations

Project: SJB (NM Central)
Site: SEC 36-T27N-R4W
Well: SJ 27-4 #135M
Wellbore: Original Hole
Design: Original Hole

ConocoPhillips

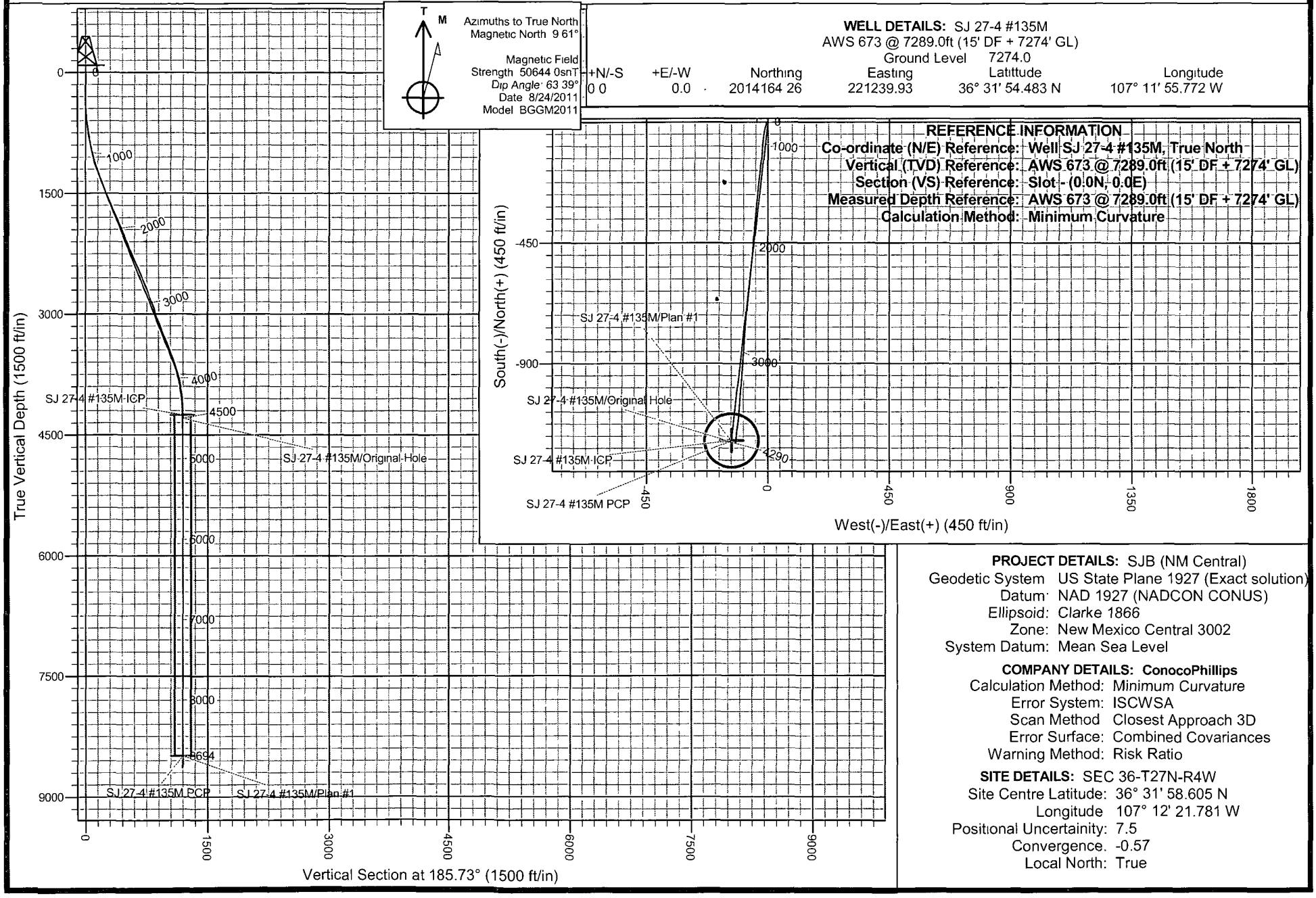
Azimuths to True North
Magnetic North 9 61°

Magnetic Field
Strength 50644 0snT
Dip Angle 63 39°
Date 8/24/2011
Model BGGM2011

WELL DETAILS: SJ 27-4 #135M
AWS 673 @ 7289.0ft (15' DF + 7274' GL)
Ground Level 7274.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0 0	0.0	2014164 26	221239.93	36° 31' 54.483 N	107° 11' 55.772 W

REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well SJ 27-4 #135M, True North
Vertical (TVD) Reference: AWS 673 @ 7289.0ft (15' DF + 7274' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 673 @ 7289.0ft (15' DF + 7274' GL)
Calculation Method: Minimum Curvature



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

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

SITE DETAILS: SEC 36-T27N-R4W
Site Centre Latitude: 36° 31' 58.605 N
Longitude: 107° 12' 21.781 W
Positional Uncertainity: 7.5
Convergence: -0.57
Local North: True

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 27-4 #135M
Project:	SJB (NM Central)	**TVD Reference:**	AWS 673 @ 7289 0ft (15' DF + 7274' GL)
Site:	SEC 36-T27N-R4W	**MD Reference:**	AWS 673 @ 7289.0ft (15' DF + 7274' GL)
Well:	SJ 27-4 #135M	**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 36-T27N-R4W

Site Position:		**Northing:**	2,014,602 04 ft	**Latitude:**	36° 31' 58 605 N
From:	Lat/Long	**Easting:**	219,121.42 ft	**Longitude:**	107° 12' 21.781 W
Position Uncertainty:	15.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	-0.57 °

Well SJ 27-4 #135M, S-Type MV/DK Well

Well Position	**+N/-S**	0 0 ft	**Northing:**	2,014,164.26 ft	**Latitude:**	36° 31' 54 483 N
	+E/-W	0.0 ft	**Easting:**	221,239.93 ft	**Longitude:**	107° 11' 55.772 W
Position Uncertainty		3 5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	7,274 0 ft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	8/24/2011	9.61	63.39	50,644

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	185 73

Survey Program Date 10/10/2011

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
333 0	4,500 0	Survey #1 (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
333 0	0 79	254 15	333.0	-0.6	-2.2	0 8	0.24	0.24	0.00
First SDI MWD Survey									
395.0	1 51	230 32	395 0	-1 3	-3.2	1 6	1.37	1 16	-38.44
457.0	2.45	206 87	456 9	-3.0	-4.5	3 4	1.97	1 52	-37.82
518.0	3 69	202 06	517.9	-6 0	-5.8	6.5	2 07	2.03	-7 89
580 0	5.19	200.03	579 7	-10.4	-7.5	11.1	2.43	2.42	-3.27
641 0	6 31	194.98	640 4	-16 3	-9.3	17 1	2 01	1 84	-8 28
702.0	7.61	193.43	700 9	-23 4	-11 1	24 4	2 15	2 13	-2 54
763 0	8 74	191 93	761 3	-31 9	-13.0	33 0	1 89	1 85	-2 46
825.0	9 74	188 53	822 5	-41 7	-14 8	43.0	1 84	1 61	-5.48
885.0	10.99	188.71	881 5	-52.4	-16 4	53 7	2 08	2 08	0 30
948.0	12.52	187 65	943 2	-65.1	-18 2	66.6	2.45	2 43	-1.68

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 27-4 #135M
Project:	SJB (NM Central)	**TVD Reference:**	AWS 673 @ 7289.0ft (15' DF + 7274' GL)
Site:	SEC 36-T27N-R4W	**MD Reference:**	AWS 673 @ 7289 0ft (15' DF + 7274' GL)
Well:	SJ 27-4 #135M	**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)
1,011 0	13.82	184 28	1,004 5	-79 3	-19 7	80.9	2 40	2.06	-5 35
1,075.0	15.30	183 74	1,066.5	-95 4	-20 8	97 0	2 32	2.31	-0 84
1,138.0	16 70	183.65	1,127.0	-112 7	-21 9	114.3	2.22	2.22	-0 14
1,202.0	18 08	184.05	1,188 1	-131 8	-23.2	133 5	2.16	2.16	0 63
1,266.0	19 51	184.89	1,248.7	-152 4	-24.8	154.1	2 27	2.23	1.31
1,329.0	20 69	187 00	1,307 8	-173 9	-27.1	175 7	2 20	1.87	3 35
1,393 0	21 67	187.38	1,367.5	-196 8	-30.0	198.8	1 55	1 53	0 59
1,456.0	21 67	185 95	1,426.1	-219.9	-32.7	222 1	0.84	0 00	-2 27
1,520.0	21.76	185 77	1,485.5	-243.5	-35.1	245.8	0 17	0.14	-0.28
1,584 0	22.58	186 29	1,544.8	-267.5	-37.6	269.9	1 32	1.28	0.81
1,647 0	22.44	184 14	1,603.0	-291.5	-39.8	294.0	1.33	-0.22	-3.41
1,711 0	23.23	186 21	1,662 0	-316.3	-42 1	318.9	1.76	1.23	3.23
1,774 0	23.70	185 81	1,719 8	-341.2	-44 7	344.0	0 79	0.75	-0.63
1,838.0	23.38	185 22	1,778.4	-366 6	-47 2	369.5	0 62	-0.50	-0 92
1,901 0	23.45	183.77	1,836 3	-391 6	-49 1	394 5	0 92	0.11	-2 30
1,965.0	23 17	184.12	1,895 0	-416 9	-50 9	419.9	0 49	-0 44	0 55
2,028 0	22 49	184.20	1,953 1	-441 2	-52 6	444 3	1.08	-1.08	0 13
2,092 0	22 39	183.30	2,012.2	-465 6	-54 2	468.7	0.56	-0 16	-1.41
2,155 0	22 65	184.43	2,070.4	-489 7	-55 9	492.8	0.80	0.41	1.79
2,219 0	22 33	186.13	2,129.6	-514 1	-58.1	517 3	1.13	-0.50	2 66
2,283 0	22 67	186 77	2,188.7	-538.4	-60.9	541 8	0 65	0.53	1 00
2,346.0	22.69	186 21	2,246.8	-562.5	-63.6	566.1	0.34	0 03	-0.89
2,410.0	23.09	186 39	2,305 8	-587.3	-66.3	591.0	0 63	0.63	0 28
2,473.0	23.91	185 89	2,363.6	-612 3	-69 0	616 1	1.34	1.30	-0 79
2,536 0	23.96	185.24	2,421 2	-637 7	-71.5	641 7	0 43	0.08	-1 03
2,600 0	23 13	185.93	2,479 8	-663 1	-74.0	667 2	1.37	-1.30	1 08
2,664 0	22 23	185.32	2,538 9	-687 7	-76 4	691 9	1 45	-1 41	-0 95
2,727.0	21.34	185.04	2,597.4	-711.0	-78 5	715.3	1 42	-1 41	-0 44
2,791 0	21 05	185.03	2,657 0	-734 0	-80.5	738 4	0 45	-0 45	-0 02
2,854 0	20 25	184.09	2,716 0	-756 2	-82.3	760.6	1 37	-1 27	-1 49
2,918.0	19 52	184 20	2,776.2	-777 9	-83.9	782.4	1 14	-1 14	0 17
2,981 0	19 12	184.11	2,835.6	-798 7	-85.4	803.2	0 64	-0.63	-0 14
3,045 0	20.17	185 35	2,895.9	-820.1	-87 2	824.7	1.77	1 64	1.94
3,108 0	19.47	183 89	2,955 2	-841.4	-88 9	846.1	1.36	-1 11	-2.32
3,171 0	20.26	184 54	3,014.4	-862.8	-90 5	867 5	1.30	1 25	1.03
3,235 0	20.67	184 59	3,074.4	-885 1	-92 3	889.9	0 64	0.64	0 08
3,299.0	21.23	184.47	3,134 2	-907.9	-94 1	912 7	0.88	0 88	-0.19
3,362.0	21.65	183.25	3,192 8	-930.9	-95 6	935 7	0.97	0.67	-1.94
3.425.0	22.09	183.77	3,251 3	-954.3	-97.1	959 2	0.76	0 70	0.83
3,488 0	21 58	184.11	3,309.7	-977 7	-98.7	982.6	0.83	-0 81	0 54
3,552 0	20 94	183.61	3,369.4	-1,000 8	-100.2	1,005 8	1.04	-1.00	-0 78
3,616 0	21 29	184.15	3,429.1	-1,023.8	-101 8	1,028 9	0 63	0 55	0.84
3,679.0	20 58	184 46	3,487.9	-1,046.3	-103.5	1,051.4	1.14	-1.13	0 49
3,743.0	18.83	184 79	3,548.2	-1,067 8	-105 2	1,072 9	2.74	-2.73	0 52
3,806.0	18 35	184 84	3,607 9	-1,087.8	-106 9	1,093 0	0.76	-0 76	0.08
3,870.0	17.01	184 84	3,668.9	-1,107 1	-108 5	1,112.4	2 09	-2 09	0.00
3,934 0	15 53	189.05	3,730 3	-1,124 9	-110.7	1,130 4	2 96	-2 31	6.58
3,997 0	13 48	189.08	3,791 3	-1,140.5	-113 2	1,146.1	3 25	-3 25	0 05
4,061.0	11.74	186 30	3,853.7	-1,154.4	-115.1	1,160.1	2.88	-2.72	-4.34
4,124.0	9 54	186.94	3,915 7	-1,165.9	-116.4	1,171.7	3.50	-3.49	1.02
4,188.0	6.97	183.66	3,979.0	-1,175 1	-117.3	1,180 9	4.08	-4.02	-5.13
4,250.0	5.24	179.37	4,040 6	-1,181 6	-117.5	1,187 5	2 88	-2.79	-6 92
4,315 0	4.17	184.43	4,105 4	-1,187.0	-117 6	1,192 8	1 76	-1 65	7 78
4,379 0	3.18	196 93	4,169.3	-1,191 0	-118.3	1,196.8	1 98	-1 55	19 53

Scientific Drilling
Directional Drilling Operations

Scientific Drilling
Survey Report

ConocoPhillips

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well SJ 27-4 #135M
Project:	SJB (NM Central)	**TVD Reference:**	AWS 673 @ 7289 0ft (15' DF + 7274' GL)
Site:	SEC 36-T27N-R4W	**MD Reference:**	AWS 673 @ 7289 0ft (15' DF + 7274' GL)
Well:	SJ 27-4 #135M	**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)
4,448 0	2 23	199.74	4,238.2	-1,194 1	-119.3	1,200.0	1 39	-1 38	4 07
Last SDI MWD Survey									
4,500 0	2 23	199.74	4,290 2	-1,196 0	-120.0	1,202.0	0 00	0 00	0 00
Projection to TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
333.0	333.0	-0 6	-2.2	First SDI MWD Survey
4,448.0	4,238.2	-1,194 1	-119 3	Last SDI MWD Survey
4,500.0	4,290 2	-1,196.0	-120 0	Projection to TD

Checked By: _____ Approved By: _____ Date: _____