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
SEP 2011
OIL CONS. DIV. DIST. 3

Form C-102
Revised July 16, 2010

Submit one copy to Appropriate District Office

AS DRILLED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-35096	71629 /	BASIN FRUITLAND COAL/WCFRUITLAND SAND 31N11W29C

[4] Property Code	[5] Property Name	[6] Well Number
37160	HEATON 7	100S

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY LP	5953'

[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
C	29	31-N	11-W		740	NORTH	1495	WEST	SAN JUAN

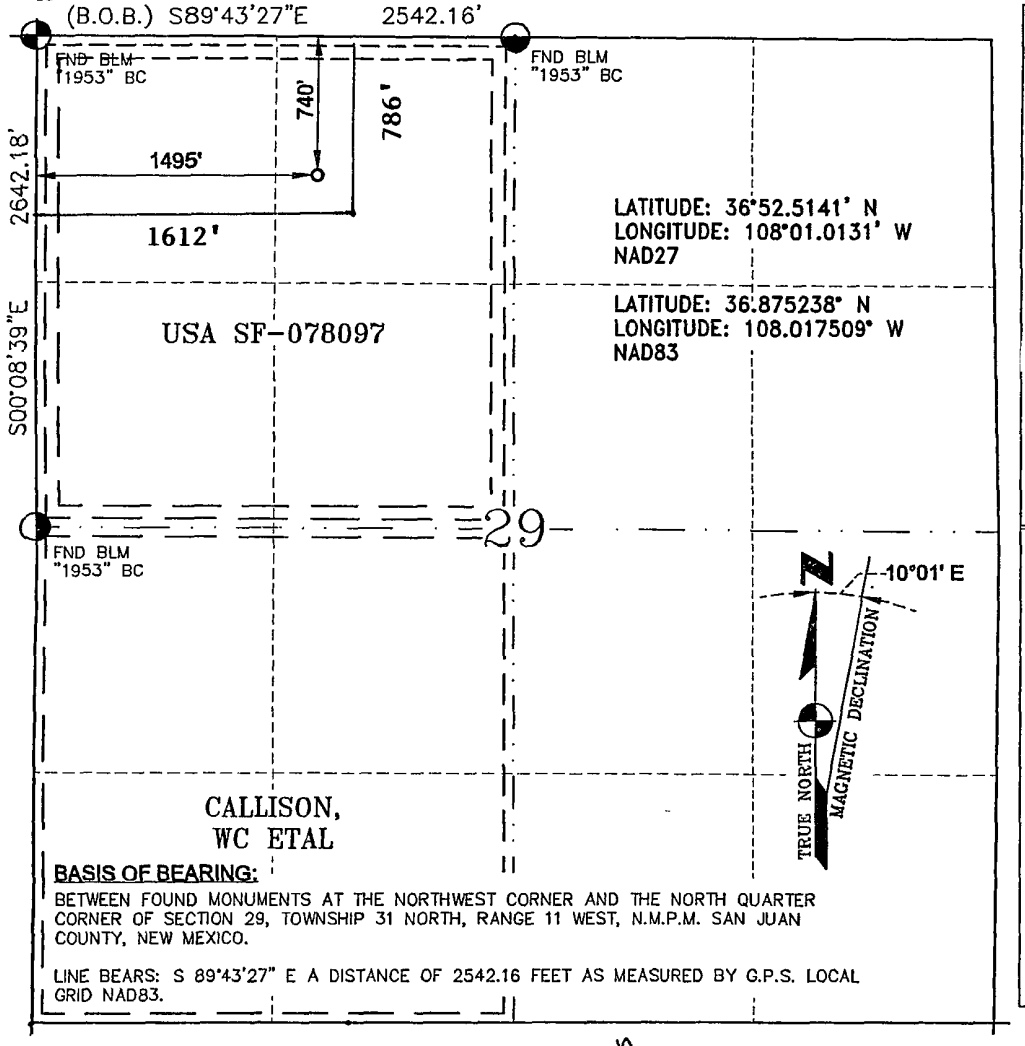
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	31N	11W		786	NORTH	1612	WEST	San Juan

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
FC 320.00 ACRES W/2 FS 160.00 ACRES NW/4			

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]



BASIS OF BEARING:

BETWEEN FOUND MONUMENTS AT THE NORTHWEST CORNER AND THE NORTH QUARTER CORNER OF SECTION 29, TOWNSHIP 31 NORTH, RANGE 11 WEST, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO.

LINE BEARS: S 89°43'27" E A DISTANCE OF 2542.16 FEET AS MEASURED BY G.P.S. LOCAL GRID NAD83.

[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.

Signature

DENISE JOURNEY
Printed Name

E-mail Address

[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.

MAY 20, 2011
Date of Survey

Signature and Seal of Professional Surveyor

GLEN W. RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR

GLEN W. RUSSELL
Certificate Number 15703

ConocoPhillips

SJB (NM West)
SEC 29-T31N-R11W
Heaton 7 #100S
API# 30-045-35096
Original Hole

Survey: Actual

Standard Survey Report

24 January, 2011

RCVD SEP 9 '11

OIL CONS. DIV.
DIST. 3

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

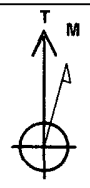
Notarized this date 24th of January, 2011.

Notary Signature
County of Midland
State of Texas

Scientific Drilling
Directional Drilling Operations

Project: SJB (NM West)
Site: SEC 29-T31N-R11W
Well: Heaton 7 #100S
Wellbore: Original Hole
Design: Plan #1

ConocoPhillips



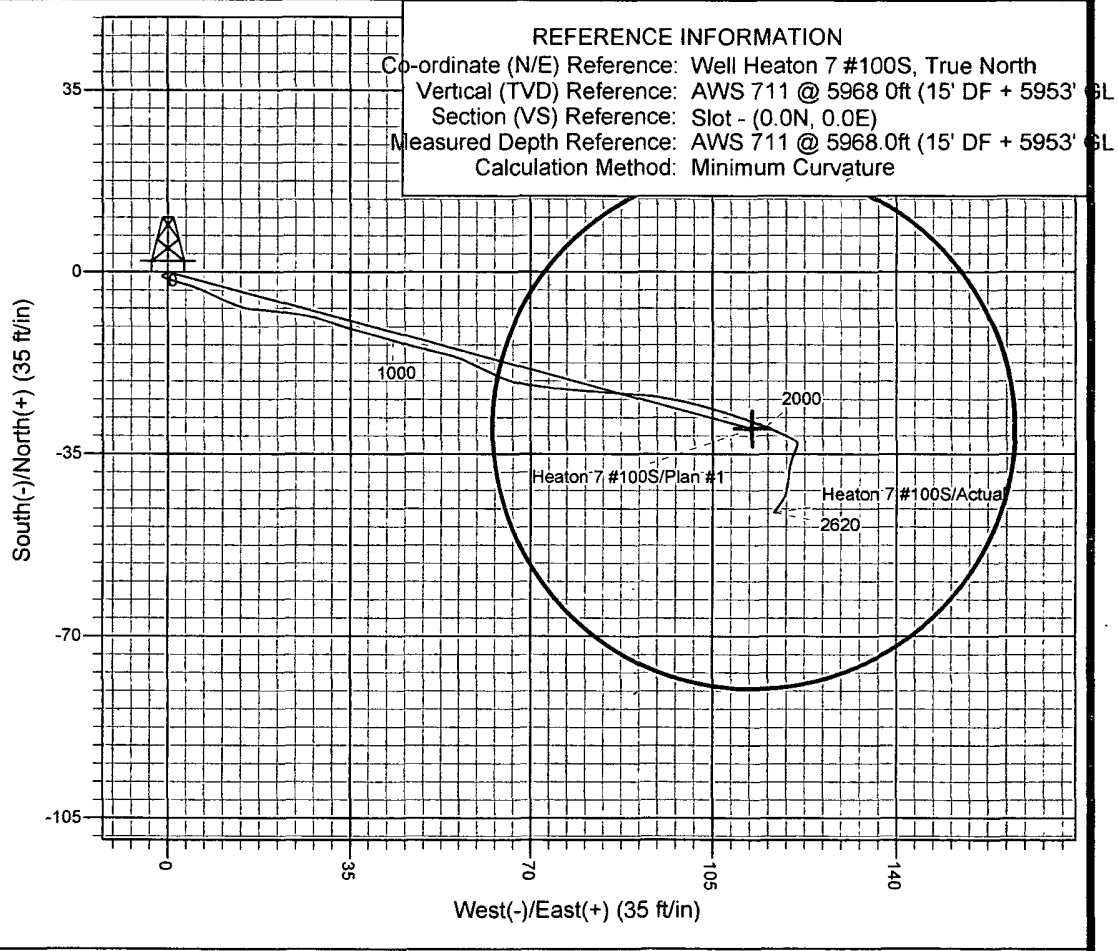
Azimuths to True North
Magnetic North. 10 07°

Magnetic Field
Strength: 50831 7snT
Dip Angle. 63.58°
Date: 12/14/2010
Model BGGM2010

WELL DETAILS: Heaton 7 #100S
AWS 711 @ 5968.0ft (15' DF + 5953' GL)
Ground Level: 5953.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	2137899.78	446312.65	36° 52' 30.846 N	108° 1' 0.786 W	

REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well Heaton 7 #100S, True North
Vertical (TVD) Reference: AWS 711 @ 5968 0ft (15' DF + 5953' GL
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 711 @ 5968.0ft (15' DF + 5953' 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 West)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level

SITE DETAILS: SEC 29-T31N-R11W
San Juan County NM
Site Centre Latitude: 36° 52' 30.846 N
Longitude: 108° 1' 0.786 W
Positional Uncertainity: 7.5
Convergence: -0.11
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well Heaton 7 #100S
Project:	SJB (NM West)	**TVD Reference:**	AWS 711 @ 5968.0ft (15' DF + 5953' GL)
Site:	SEC 29-T31N-R11W	**MD Reference:**	AWS 711 @ 5968.0ft (15' DF + 5953' GL)
Well:	Heaton 7 #100S	**North Reference:**	True
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	Original Hole	**Database:**	edmCOP

Project	SJB (NM West), 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 West 3003		Using geodetic scale factor

Site	SEC 29-T31N-R11W				
Site Position:		**Northing:**	2,137,899 78 ft	**Latitude:**	36° 52' 30 846 N
From:	Lat/Long	**Easting:**	446,312 65 ft	**Longitude:**	108° 1' 0.786 W
Position Uncertainty:	15 0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	-0 11 °

Well	Heaton 7 #100S, FC Nudge					
Well Position	**+N/-S**	0 0 ft	**Northing:**	2,137,899 78 ft	**Latitude:**	36° 52' 30.846 N
	+E/-W	0.0 ft	**Easting:**	446,312.65 ft	**Longitude:**	108° 1' 0 786 W
Position Uncertainty		3 5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,953.0 ft

Wellbore	Original Hole				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2010	12/14/2010	10.07	63.58	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	111 62		

Survey Program **Date** 1/24/2011

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
248.0	2,625 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
248 0	0 41	234.79	248.0	-0.5	-0.7	-0 5	0.17	0.17	0 00
278 0	0 74	253 93	278.0	-0.6	-1.0	-0 7	1.26	1.10	63.80
309.0	0 50	152.24	309.0	-0.8	-1.1	-0 8	3.14	-0.77	-328.03
340.0	1.40	114.77	340 0	-1.1	-0.7	-0.3	3 38	2.90	-120 87
371 0	2 40	106.80	371 0	-1 4	0.2	0.8	3 33	3.23	-25 71
402 0	3 79	106 25	401.9	-1.9	1.8	2.4	4 48	4 48	-1.77
432.0	4 02	105 85	431 9	-2.5	3.8	4 5	0.77	0 77	-1.33
463 0	4 89	113.41	462.8	-3.3	6.1	6 9	3 38	2 81	24.39
523.0	4.21	115.82	522.6	-5.3	10.4	11.6	1.18	-1 13	4.02
554.0	4.13	110.27	553.5	-6 1	12 5	13.9	1.33	-0.26	-17.90
585.0	3 91	107.33	584 4	-6 8	14 5	16.0	0 97	-0 71	-9.48
616.0	3.89	92.54	615.3	-7 2	16 6	18.1	3 24	-0 06	-47.71

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	**Local Co-ordinate Reference:**	Well Heaton 7 #100S
Project:	SJB (NM West)	**TVD Reference:**	AWS 711 @ 5968 0ft (15' DF + 5953' GL)
Site:	SEC 29-T31N-R11W	**MD Reference:**	AWS 711 @ 5968.0ft (15' DF + 5953' GL)
Well:	Heaton 7 #100S	**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)
647.0	3 99	93 61	646.3	-7 3	18.7	20.1	0.40	0.32	3.45
678 0	4.41	99 11	677.2	-7 6	21 0	22 3	1.88	1.35	17 74
709 0	4.53	99 71	708.1	-8.0	23.4	24.6	0.42	0.39	1.94
741.0	4.12	94.74	740.0	-8 3	25.7	27.0	1.73	-1.28	-15.53
773.0	3 92	104 78	771.9	-8.7	27.9	29 2	2.28	-0.63	31.38
804 0	4 04	109 12	802 9	-9 3	30.0	31.3	1.05	0.39	14.00
835.0	3.88	109 69	833 8	-10 0	32 0	33 5	0.53	-0.52	1.84
867 0	4 19	105 62	865.7	-10.7	34 2	35.7	1 32	0 97	-12.72
931.0	4.05	104 81	929 5	-11.9	38 6	40 3	0 24	-0 22	-1.27
994 0	3.59	106.75	992 4	-13.0	42.6	44 4	0 76	-0.73	3.08
1,058.0	3.97	107.00	1,056 3	-14.2	46 7	48 6	0 59	0 59	0.39
1,123.0	4.75	100.15	1,121.1	-15.4	51 5	53.5	1 44	1 20	-10.54
1,186.0	4.19	110.90	1,183 9	-16.7	56 2	58 4	1 60	-0 89	17.06
1,250 0	3 92	117.89	1,247 7	-18.5	60 3	62.9	0 88	-0 42	10.92
1,314.0	4 11	111.46	1,311 6	-20.4	64.4	67.4	0.76	0 30	-10.05
1,377 0	4.68	99.68	1,374 4	-21.6	69 0	72 1	1.69	0 90	-18.70
1,441.0	4 93	95 83	1,438.1	-22.4	74 3	77.3	0.64	0.39	-6.02
1,504 0	4 87	94 58	1,500.9	-22.8	79 7	82.5	0 19	-0 10	-1.98
1,630 0	4.46	92.81	1,626.5	-23.5	89.9	92.2	0 34	-0.33	-1.40
1,693 0	4 10	98.91	1,689.3	-24.0	94.6	96.8	0.92	-0.57	9.68
1,758 0	4 33	102.40	1,754.1	-24.9	99.3	101 5	0 53	0.35	5.37
1,821.0	3 92	105.82	1,817 0	-26.0	103.7	105.9	0 76	-0.65	5.43
1,884.0	3.86	107.01	1,879 8	-27.2	107.8	110.2	0.16	-0 10	1 89
1,948.0	3 72	110 93	1,943 7	-28 5	111 8	114.4	0.46	-0.22	6 13
2,011.0	3.51	110 57	2,006 6	-30.0	115.5	118.4	0.34	-0 33	-0 57
2,074 0	2 51	117.12	2,069.5	-31.3	118 5	121 7	1.68	-1.59	10 40
2,137 0	1.50	117.12	2,132 4	-32 3	120 5	123.9	1.60	-1 60	0 00
2,201.0	1.29	199 96	2,196 4	-33.3	121.0	124.7	2.89	-0.33	129 44
2,265 0	1 52	201 14	2,260 4	-34.8	120 4	124.8	0 36	0.36	1.84
2,327.0	1.52	198.97	2,322.4	-36 3	119 9	124 8	0 09	0.00	-3.50
2,390 0	1 78	184 73	2,385.4	-38.1	119 5	125.1	0.77	0 41	-22.60
2,454.0	2.50	186 07	2,449.3	-40 5	119 3	125 8	1.13	1 13	2.09
2,517.0	2.17	199 36	2,512.3	-43.0	118 7	126.2	1.00	-0.52	21.10
2,549 0	2.02	220 05	2,544.2	-44 0	118 2	126.1	2.40	-0 47	64.66
2,625 0	2 10	208 08	2,620.2	-46.2	116.7	125 5	0.57	0.11	-15.75