

DISTRICT I
1626 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

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30953		*Pool Code 71599 / 72319		*Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
*Property Code 7623		*Property Name VAUGHN			*Well Number 30P
*OGRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6436'

¹⁰ Surface Location

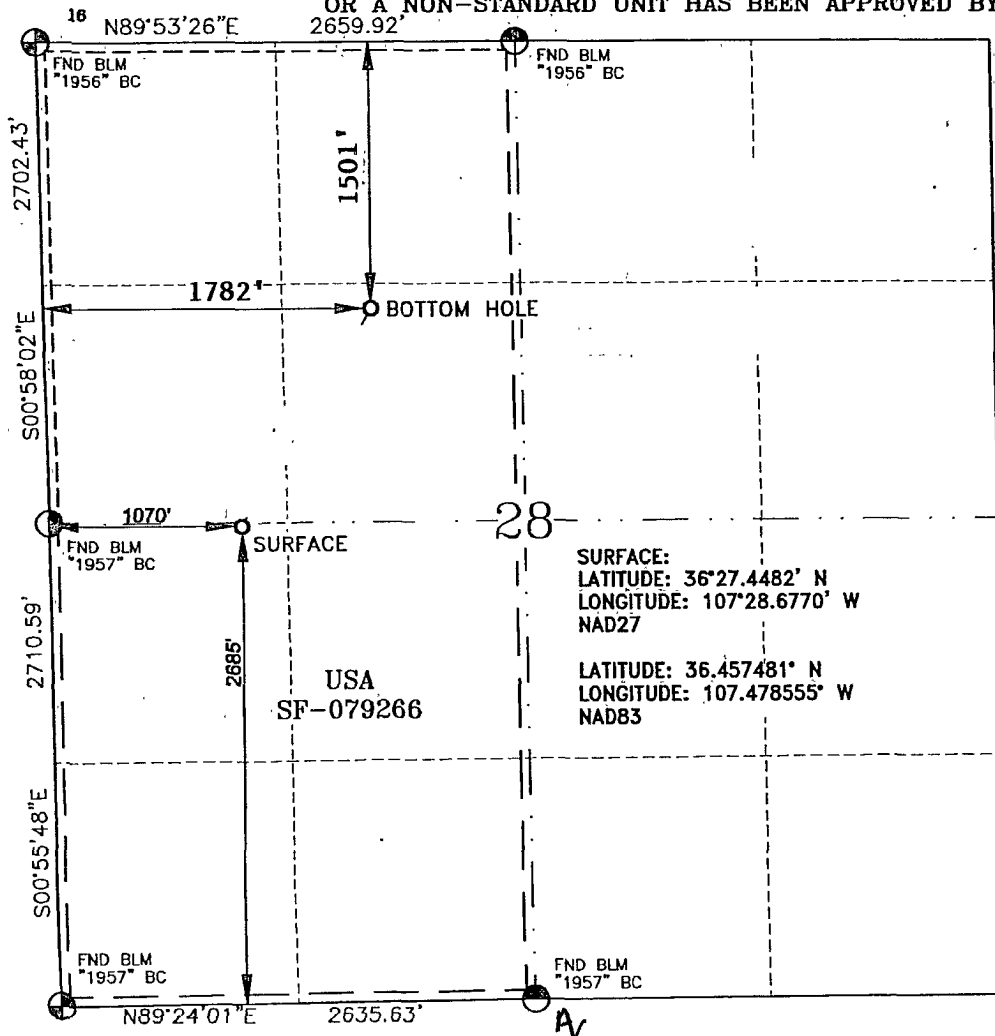
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	28	26-N	6-W		2685	SOUTH	1070	WEST	RIO ARRIBA

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
F	28	26-N	6-W		1501'	NORTH	1782'	WEST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/2		¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD AUG 17 '12 OIL CONS. DIV.
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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.

Signature

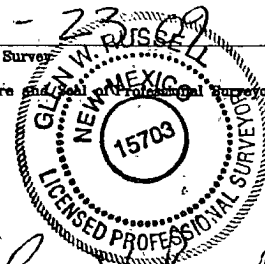
Marie E. Jaramillo 8/16/12
Printed Name

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.

4-23
Date of Survey

Signature and Seal of Professional Surveyor



Certificate Number 15703

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName VAUGHN #30P	API / UWI 3003930953	County RIO ARRIBA	State NM	Province NEW MEXICO
Surface Legal Location 028-026N-006W-L	N/S Dist (ft) 2,685.00	N/S Ref FSL	E/W Dist (ft) 1,070.00	E/W Ref FWL	

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
6/23/2012	128.00	1.00		Inc-Drop	MO-TE DRILLING INC	
6/23/2012	228.00	2.00		Inc-Drop	MO-TE DRILLING INC	
6/23/2012	351.00	1.00		Inc-Drop	MO-TE DRILLING INC	
6/26/2012	388.00	1.26	77.01	IncAzi-MWD	Scientific Drilling	
6/26/2012	418.00	1.52	87.55	IncAzi-MWD	Scientific Drilling	
6/26/2012	449.00	1.72	58.33	IncAzi-MWD	Scientific Drilling	
6/26/2012	479.00	2.71	41.83	IncAzi-MWD	Scientific Drilling	
6/26/2012	510.00	3.95	36.47	IncAzi-MWD	Scientific Drilling	
6/26/2012	540.00	5.18	29.41	IncAzi-MWD	Scientific Drilling	
6/26/2012	571.00	5.65	28.43	IncAzi-MWD	Scientific Drilling	
6/26/2012	601.00	6.53	27.45	IncAzi-MWD	Scientific Drilling	
6/26/2012	632.00	7.94	27.90	IncAzi-MWD	Scientific Drilling	
6/26/2012	662.00	8.97	27.92	IncAzi-MWD	Scientific Drilling	
6/26/2012	693.00	9.29	27.78	IncAzi-MWD	Scientific Drilling	
6/26/2012	723.00	9.69	27.50	IncAzi-MWD	Scientific Drilling	
6/26/2012	754.00	10.32	31.41	IncAzi-MWD	Scientific Drilling	
6/26/2012	785.00	10.91	30.73	IncAzi-MWD	Scientific Drilling	
6/26/2012	816.00	11.71	30.69	IncAzi-MWD	Scientific Drilling	
6/26/2012	849.00	12.27	31.35	IncAzi-MWD	Scientific Drilling	
6/26/2012	882.00	13.20	30.19	IncAzi-MWD	Scientific Drilling	
6/26/2012	913.00	13.55	31.92	IncAzi-MWD	Scientific Drilling	
6/26/2012	946.00	14.07	29.54	IncAzi-MWD	Scientific Drilling	
6/26/2012	978.00	15.09	30.45	IncAzi-MWD	Scientific Drilling	
6/26/2012	1,010.00	16.01	29.47	IncAzi-MWD	Scientific Drilling	
6/26/2012	1,042.00	17.19	30.66	IncAzi-MWD	Scientific Drilling	
6/26/2012	1,075.00	17.99	30.56	IncAzi-MWD	Scientific Drilling	
6/26/2012	1,107.00	18.48	30.80	IncAzi-MWD	Scientific Drilling	
6/26/2012	1,139.00	19.30	30.42	IncAzi-MWD	Scientific Drilling	
6/26/2012	1,171.00	19.94	30.60	IncAzi-MWD	Scientific Drilling	
6/26/2012	1,204.00	21.03	32.16	IncAzi-MWD	Scientific Drilling	
6/27/2012	1,236.00	22.15	30.23	IncAzi-MWD	Scientific Drilling	
6/27/2012	1,268.00	23.22	29.74	IncAzi-MWD	Scientific Drilling	
6/27/2012	1,300.00	24.05	27.94	IncAzi-MWD	Scientific Drilling	
6/27/2012	1,333.00	24.77	27.21	IncAzi-MWD	Scientific Drilling	
6/27/2012	1,365.00	25.76	27.88	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 _____



COP Deviation Report

VAUGHN #30P

Survey Data

Date	MD (ftKB)	Incl.(°)	Azm.(°)	Method	Survey Company
6/27/2012	1,397.00	26.29	28.99	IncAzi-MWD	Scientific Drilling
6/27/2012	1,461.00	26.83	28.55	IncAzi-MWD	Scientific Drilling
6/27/2012	1,526.00	27.30	28.33	IncAzi-MWD	Scientific Drilling
6/27/2012	1,592.00	27.42	27.52	IncAzi-MWD	Scientific Drilling
6/27/2012	1,655.00	28.14	26.99	IncAzi-MWD	Scientific Drilling
6/27/2012	1,719.00	28.87	29.81	IncAzi-MWD	Scientific Drilling
6/27/2012	1,783.00	28.43	32.53	IncAzi-MWD	Scientific Drilling
6/27/2012	1,848.00	28.30	32.74	IncAzi-MWD	Scientific Drilling
6/27/2012	1,911.00	27.37	30.74	IncAzi-MWD	Scientific Drilling
6/27/2012	1,975.00	27.48	29.81	IncAzi-MWD	Scientific Drilling
6/27/2012	2,040.00	26.30	30.24	IncAzi-MWD	Scientific Drilling
6/27/2012	2,104.00	25.72	30.84	IncAzi-MWD	Scientific Drilling
6/27/2012	2,169.00	26.51	29.36	IncAzi-MWD	Scientific Drilling
6/27/2012	2,234.00	27.46	28.87	IncAzi-MWD	Scientific Drilling
6/27/2012	2,298.00	27.15	30.93	IncAzi-MWD	Scientific Drilling
6/27/2012	2,362.00	24.90	31.52	IncAzi-MWD	Scientific Drilling
6/27/2012	2,427.00	23.92	30.46	IncAzi-MWD	Scientific Drilling
6/27/2012	2,491.00	23.03	29.86	IncAzi-MWD	Scientific Drilling
6/27/2012	2,556.00	23.40	28.20	IncAzi-MWD	Scientific Drilling
6/27/2012	2,620.00	23.40	26.37	IncAzi-MWD	Scientific Drilling
6/27/2012	2,684.00	23.50	24.79	IncAzi-MWD	Scientific Drilling
6/27/2012	2,749.00	24.90	25.44	IncAzi-MWD	Scientific Drilling
6/27/2012	2,813.00	24.92	26.39	IncAzi-MWD	Scientific Drilling
6/27/2012	2,878.00	24.78	25.86	IncAzi-MWD	Scientific Drilling
6/27/2012	2,942.00	23.66	25.87	IncAzi-MWD	Scientific Drilling
6/27/2012	3,007.00	22.40	25.90	IncAzi-MWD	Scientific Drilling
6/27/2012	3,071.00	21.27	29.60	IncAzi-MWD	Scientific Drilling
6/27/2012	3,135.00	21.31	31.97	IncAzi-MWD	Scientific Drilling
6/27/2012	3,200.00	22.71	33.12	IncAzi-MWD	Scientific Drilling
6/27/2012	3,264.00	23.04	30.40	IncAzi-MWD	Scientific Drilling
6/27/2012	3,329.00	22.21	29.18	IncAzi-MWD	Scientific Drilling
6/27/2012	3,393.00	22.39	29.81	IncAzi-MWD	Scientific Drilling
6/27/2012	3,458.00	23.12	30.37	IncAzi-MWD	Scientific Drilling
6/27/2012	3,522.00	22.65	32.26	IncAzi-MWD	Scientific Drilling
6/27/2012	3,587.00	21.94	33.79	IncAzi-MWD	Scientific Drilling
6/27/2012	3,651.00	22.04	35.74	IncAzi-MWD	Scientific Drilling
6/28/2012	3,716.00	21.09	35.46	IncAzi-MWD	Scientific Drilling
6/28/2012	3,780.00	20.14	34.00	IncAzi-MWD	Scientific Drilling
6/28/2012	3,845.00	20.02	34.27	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 (°)	Azm (°)	Method	Survey Company
6/28/2012	3,910.00	19 84	33.77	IncAzi-MWD	Scientific Drilling
6/28/2012	3,974.00	16 55	30.42	IncAzi-MWD	Scientific Drilling
6/28/2012	4,039.00	13 87	29.88	IncAzi-MWD	Scientific Drilling
6/28/2012	4,103.00	13.20	28.60	IncAzi-MWD	Scientific Drilling
6/28/2012	4,168.00	12 37	29.70	IncAzi-MWD	Scientific Drilling
6/28/2012	4,232.00	11 46	27.64	IncAzi-MWD	Scientific Drilling
6/28/2012	4,297.00	10.98	26.60	IncAzi-MWD	Scientific Drilling
6/28/2012	4,361.00	10.06	27.96	IncAzi-MWD	Scientific Drilling
6/28/2012	4,425.00	8 37	29.52	IncAzi-MWD	Scientific Drilling
6/28/2012	4,490.00	6 67	32.76	IncAzi-MWD	Scientific Drilling
6/28/2012	4,554.00	5.64	28 26	IncAzi-MWD	Scientific Drilling
6/28/2012	4,619.00	4.78	36.15	IncAzi-MWD	Scientific Drilling
6/28/2012	4,683.00	3.44	42 83	IncAzi-MWD	Scientific Drilling
6/28/2012	4,748.00	1.87	42 23	IncAzi-MWD	Scientific Drilling
6/28/2012	4,814.00	1.55	32 64	IncAzi-MWD	Scientific Drilling
6/28/2012	4,870.00	1.28	24 50	Projection	Scientific Drilling
6/30/2012	5,143.00	0.50		Inc-MWD	Aztec Well Servicing Co Inc
6/30/2012	5,350.00	0.50		Inc-MWD	Aztec Well Servicing Co Inc
6/30/2012	5,850.00	0.50		Inc-MWD	Aztec Well Servicing Co Inc
7/1/2012	6,350.00	0.50		Inc-MWD	Aztec Well Servicing Co Inc
7/1/2012	6,850.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
7/2/2012	7,350.00	0.50		Inc-MWD	Aztec Well Servicing Co Inc
7/3/2012	7,555.00	0.50		Inc-MWD	Aztec Well Servicing Co Inc

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.

Alh G. L. G. L.

Subscribed and sworn to me this

8/16/12
Manuel Jarama

Notary Public in and for San Juan County, New Mexico

My Commission expires

7/28/14



RCVD AUG 17 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 28-T26N-R6W
Vaughn 30P

OH

Design: OH

API # 3003930953

Standard Survey Report

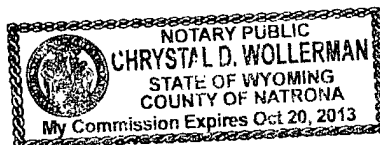
05 July, 2012

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

Notarized this date 10th of July, 2012.

Chrystal D. Wollerman

Notary Signature
County of Natrona
State of Wyoming



Scientific Drilling

ConocoPhillips

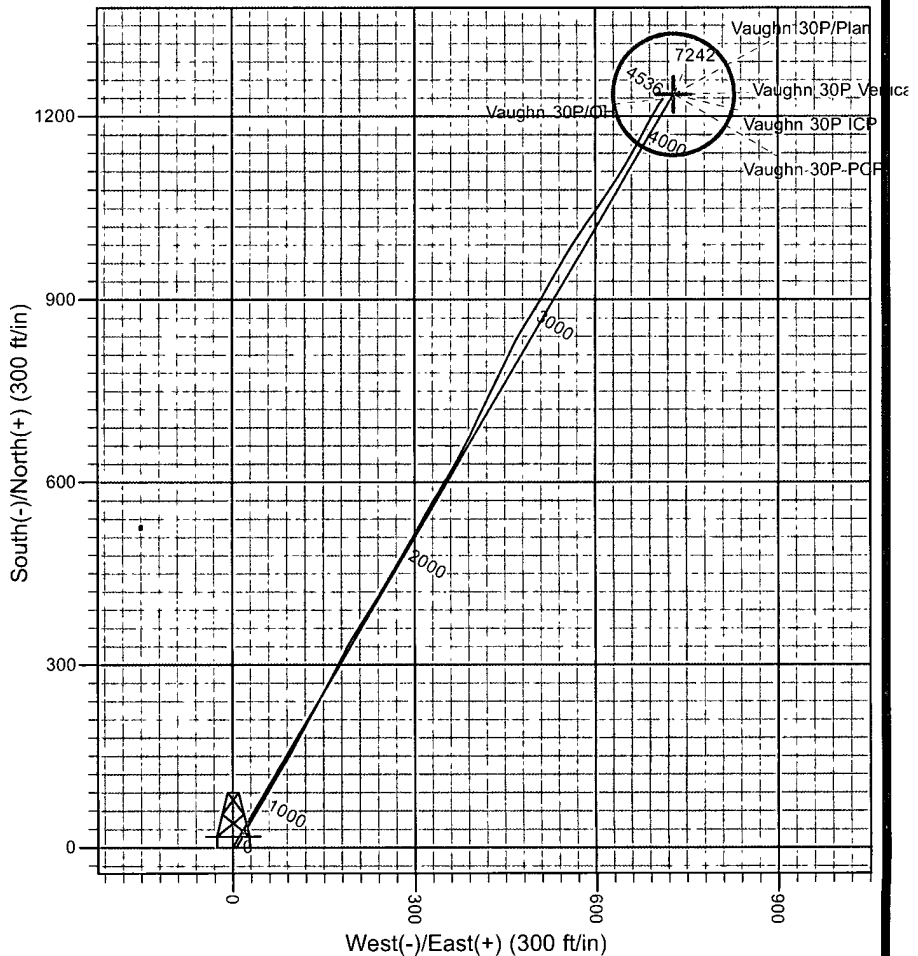
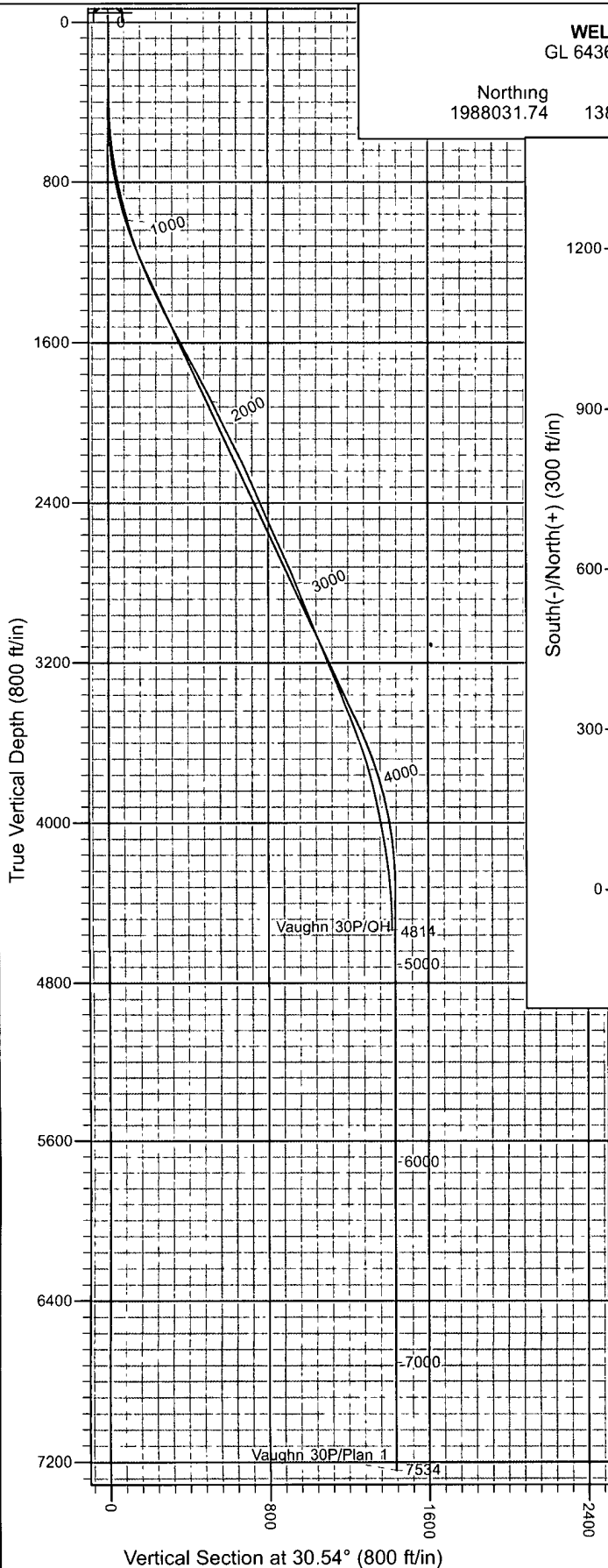
Project: SJB (NM Central)
Site: SEC 28-T26N-R6W
Well: Vaughn 30P
Wellbore: OH
Design: OH



MAzimuths to True North
Magnetic North 9 66°
Magnetic Field
Strength 50467 0snT
Dip Angle 63 23°
Date 2012/06/21
Model BGGM2012

WELL DETAILS: Vaughn 30P
GL 6436' & KB 15' @ 6451.0ft (AWS 920)
Ground Level: 6436.0

Northing 1988031.74 Easting 138886.35 Latitude 36° 27' 26 892 N Longitude 107° 28' 40.620 W



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Vaughn 30P, True North
Vertical (TVD) Reference: GL 6436' & KB 15' @ 6451.0ft (AWS 920)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 6436' & KB 15' @ 6451.0ft (AWS 920)
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:	ConocoPhillips	Local Co-ordinate Reference:	Well Vaughn 30P
Project:	SJB (NM Central)	TVD Reference:	GL 6436' & KB 15' @ 6451 0ft (AWS 920)
Site:	SEC 28-T26N-R6W	MD Reference:	GL 6436' & KB 15' @ 6451 0ft (AWS 920)
Well:	Vaughn 30P	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

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 28-T26N-R6W		
Site Position:		Northing:	1,987,865.44 ft
From:	Lat/Long	Easting:	139,412.21 ft
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 27' 25.314 N
		Longitude:	107° 28' 34.158 W
		Grid Convergence:	-0.73 °

Well:	Vaughn 30P, 2685' FSL 1070' FWL		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 27' 26.892 N
		Longitude:	107° 28' 40.620 W
		Ground Level:	6,436.0 ft

Wellbore:	OH		
Magnetics	Model Name	Sample Date	Declination
	BGGM2012	2012/06/21	9.66
			Dip Angle
			63.23
			Field Strength
			50,467

Design:	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			30.54

Survey Program:	Date:	2012/07/05
From:	To:	
(ft)	(ft)	
388.0	4,814.0	Survey #1 (OH)
		Tool Name
		MWD SDI
		Description
		MWD - Standard ver 1.0.1

Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
388.0	1.26	77.01	388.0	1.0	4.2	2.9	0.32	0.32	0.00	
First SDI MWD Survey										
418.0	1.52	87.55	418.0	1.1	4.9	3.4	1.21	0.87	35.13	
449.0	1.72	58.33	448.9	1.3	5.7	4.0	2.71	0.65	-94.26	
479.0	2.71	41.83	478.9	2.1	6.5	5.1	3.89	3.30	-55.00	
510.0	3.95	36.47	509.9	3.5	7.7	6.9	4.12	4.00	-17.29	
540.0	5.18	29.41	539.8	5.5	8.9	9.3	4.50	4.10	-23.53	
571.0	5.65	28.43	570.6	8.1	10.4	12.2	1.55	1.52	-3.16	
601.0	6.53	27.45	600.5	10.9	11.8	15.4	2.95	2.93	-3.27	
632.0	7.94	27.90	631.2	14.3	13.7	19.3	4.55	4.55	1.45	
662.0	8.97	27.92	660.9	18.2	15.7	23.7	3.43	3.43	0.07	
693.0	9.29	27.78	691.5	22.6	18.0	28.6	1.03	1.03	-0.45	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Vaughn 30P
Project:	SJB (NM Central)	TVD Reference:	GL 6436' & KB 15' @ 6451.0ft (AWS 920)
Site:	SEC 28-T26N-R6W	MD Reference:	GL 6436' & KB 15' @ 6451.0ft (AWS 920)
Well:	Vaughn 30P	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

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)	
723.0	9.69	27.50	721.1	27.0	20.3	33.5	1.34	1.33	-0.93	
754.0	10.32	31.41	751.6	31.6	23.0	38.9	2.99	2.03	12.61	
785.0	10.91	30.73	782.1	36.5	25.9	44.6	1.95	1.90	-2.19	
816.0	11.71	30.69	812.5	41.8	29.0	50.7	2.58	2.58	-0.13	
849.0	12.27	31.35	844.8	47.6	32.6	57.6	1.75	1.70	2.00	
882.0	13.20	30.19	877.0	53.9	36.3	64.8	2.92	2.82	-3.52	
913.0	13.55	31.92	907.1	60.0	40.0	72.0	1.71	1.13	5.58	
946.0	14.07	29.54	939.2	66.8	44.0	79.9	2.33	1.58	-7.21	
978.0	15.09	30.45	970.1	73.8	48.0	87.9	3.27	3.19	2.84	
1,010.0	16.01	29.47	1,001.0	81.2	52.3	96.5	2.99	2.88	-3.06	
1,042.0	17.19	30.66	1,031.6	89.1	56.9	105.7	3.84	3.69	3.72	
1,075.0	17.99	30.56	1,063.1	97.7	62.0	115.6	2.43	2.42	-0.30	
1,107.0	18.48	30.80	1,093.5	106.3	67.1	125.6	1.55	1.53	0.75	
1,139.0	19.30	30.42	1,123.8	115.2	72.3	136.0	2.59	2.56	-1.19	
1,171.0	19.94	30.60	1,153.9	124.5	77.8	146.7	2.01	2.00	0.56	
1,204.0	21.03	32.16	1,184.8	134.3	83.8	158.3	3.69	3.30	4.73	
1,236.0	22.15	30.23	1,214.6	144.4	89.9	170.1	4.14	3.50	-6.03	
1,268.0	23.22	29.74	1,244.1	155.1	96.1	182.4	3.40	3.34	-1.53	
1,300.0	24.05	27.94	1,273.4	166.3	102.3	195.2	3.44	2.59	-5.63	
1,333.0	24.77	27.21	1,303.5	178.4	108.6	208.8	2.37	2.18	-2.21	
1,365.0	25.76	27.88	1,332.4	190.5	114.9	222.5	3.22	3.09	2.09	
1,397.0	26.29	28.89	1,361.1	202.9	121.6	236.5	2.16	1.66	3.16	
1,461.0	26.83	28.55	1,418.4	228.0	135.3	265.1	0.88	0.84	-0.53	
1,526.0	27.30	28.33	1,476.3	254.0	149.4	294.7	0.74	0.72	-0.34	
1,591.0	27.42	27.52	1,534.0	280.4	163.4	324.5	0.60	0.18	-1.25	
1,655.0	28.14	26.99	1,590.6	306.9	177.1	354.3	1.19	1.13	-0.83	
1,719.0	28.87	29.81	1,646.9	333.8	191.6	384.8	2.39	1.14	4.41	
1,783.0	28.43	32.53	1,703.0	360.0	207.5	415.5	2.15	-0.69	4.25	
1,848.0	28.30	32.74	1,760.2	386.0	224.1	446.3	0.25	-0.20	0.32	
1,911.0	27.37	30.74	1,815.9	411.0	239.6	475.7	2.09	-1.48	-3.17	
1,975.0	27.48	29.81	1,872.7	436.5	254.5	505.2	0.69	0.17	-1.45	
2,040.0	26.30	30.24	1,930.7	461.9	269.2	534.6	1.84	-1.82	0.66	
2,104.0	25.72	30.84	1,988.2	486.1	283.4	562.7	1.00	-0.91	0.94	
2,169.0	26.51	29.36	2,046.6	510.9	297.8	591.3	1.58	1.22	-2.28	
2,234.0	27.46	28.87	2,104.5	536.6	312.1	620.8	1.50	1.46	-0.75	
2,298.0	27.15	30.93	2,161.4	562.1	326.7	650.1	1.55	-0.48	3.22	
2,362.0	24.90	31.52	2,218.9	586.1	341.3	678.2	3.54	-3.52	0.92	
2,427.0	23.92	30.46	2,278.1	609.1	355.1	705.1	1.65	-1.51	-1.63	
2,491.0	23.03	29.86	2,336.8	631.2	367.9	730.6	1.44	-1.39	-0.94	
2,556.0	23.40	28.20	2,396.5	653.6	380.4	756.2	1.16	0.57	-2.55	
2,620.0	23.40	26.37	2,455.3	676.1	392.0	781.5	1.14	0.00	-2.86	
2,684.0	23.50	24.79	2,514.0	699.1	403.0	806.9	0.99	0.16	-2.47	
2,749.0	24.90	25.44	2,573.3	723.2	414.3	833.4	2.19	2.15	1.00	
2,813.0	24.92	26.39	2,631.3	747.5	426.1	860.3	0.63	0.03	1.48	
2,878.0	24.78	25.86	2,690.3	772.0	438.1	887.5	0.40	-0.22	-0.82	
2,942.0	23.66	25.87	2,748.7	795.6	449.6	913.7	1.75	-1.75	0.02	
3,007.0	22.40	25.90	2,808.5	818.5	460.7	939.1	1.94	-1.94	0.05	
3,071.0	21.27	29.60	2,867.9	839.6	471.7	962.8	2.78	-1.77	5.78	
3,135.0	21.31	31.97	2,927.5	859.5	483.6	986.1	1.35	0.06	3.70	
3,200.0	22.71	33.12	2,987.8	880.1	496.8	1,010.4	2.25	2.15	1.77	
3,264.0	23.04	30.40	3,046.8	901.2	509.8	1,035.3	1.73	0.52	-4.25	
3,329.0	22.21	29.18	3,106.8	922.9	522.3	1,060.3	1.47	-1.28	-1.88	
3,393.0	22.39	29.81	3,166.0	944.0	534.2	1,084.5	0.47	0.28	0.98	
3,458.0	23.12	30.37	3,225.9	965.8	546.8	1,109.7	1.17	1.12	0.86	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Vaughn 30P
Project:	SJB (NM Central)	TVD Reference:	GL 6436' & KB 15' @ 6451.0ft (AWS 920)
Site:	SEC 28-T26N-R6W	MD Reference:	GL 6436' & KB 15' @ 6451.0ft (AWS 920)
Well:	Vaughn 30P	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

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)
3,522.0	22.65	32.26	3,284.9	987.1	559.8	1,134.6	1.36	-0.73	2.95
3,587.0	21.94	33.79	3,345.0	1,007.7	573.2	1,159.2	1.41	-1.09	2.35
3,651.0	22.04	35.74	3,404.4	1,027.4	586.9	1,183.1	1.15	0.16	3.05
3,716.0	21.09	35.46	3,464.8	1,046.8	600.8	1,206.9	1.47	-1.46	-0.43
3,780.0	20.14	34.00	3,524.7	1,065.4	613.6	1,229.4	1.69	-1.48	-2.28
3,845.0	20.02	34.27	3,585.8	1,083.8	626.1	1,251.6	0.23	-0.18	0.42
3,910.0	19.84	33.77	3,646.9	1,102.2	638.5	1,273.8	0.38	-0.28	-0.77
3,974.0	16.55	30.42	3,707.7	1,119.1	649.2	1,293.7	5.39	-5.14	-5.23
4,039.0	13.87	29.88	3,770.4	1,133.8	657.8	1,310.8	4.13	-4.12	-0.83
4,103.0	13.20	28.60	3,832.6	1,146.9	665.1	1,325.7	1.15	-1.05	-2.00
4,168.0	12.37	29.70	3,896.0	1,159.5	672.1	1,340.1	1.33	-1.28	1.69
4,232.0	11.46	27.64	3,958.6	1,171.0	678.4	1,353.3	1.57	-1.42	-3.22
4,297.0	10.98	26.60	4,022.4	1,182.3	684.2	1,366.0	0.80	-0.74	-1.60
4,361.0	10.06	27.96	4,085.3	1,192.7	689.5	1,377.6	1.49	-1.44	2.13
4,425.0	8.37	29.52	4,148.5	1,201.7	694.5	1,387.9	2.67	-2.64	2.44
4,490.0	6.67	32.76	4,212.9	1,209.0	698.8	1,396.4	2.69	-2.62	4.98
4,554.0	5.64	28.26	4,276.5	1,214.9	702.3	1,403.2	1.78	-1.61	-7.03
4,619.0	4.78	36.15	4,341.3	1,219.9	705.4	1,409.1	1.72	-1.32	12.14
4,683.0	3.44	42.83	4,405.1	1,223.4	708.3	1,413.6	2.22	-2.09	10.44
4,748.0	1.87	42.23	4,470.0	1,225.6	710.4	1,416.6	2.42	-2.42	-0.92
4,814.0	1.55	32.64	4,536.0	1,227.2	711.6	1,418.5	0.65	-0.48	-14.53
Last SDI MWD Survey									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
388.0	388.0	1.0	4.2	First SDI MWD Survey
4,814.0	4,536.0	1,227.2	711.6	Last SDI MWD Survey

Checked By: _____	Approved By: _____	Date: _____
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