

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

**Submit one copy to appropriate
District Office**

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-31094		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 7228	*Property Name KLEIN		*Well Number 24 P
*UGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6729'

¹⁰ Surface Location

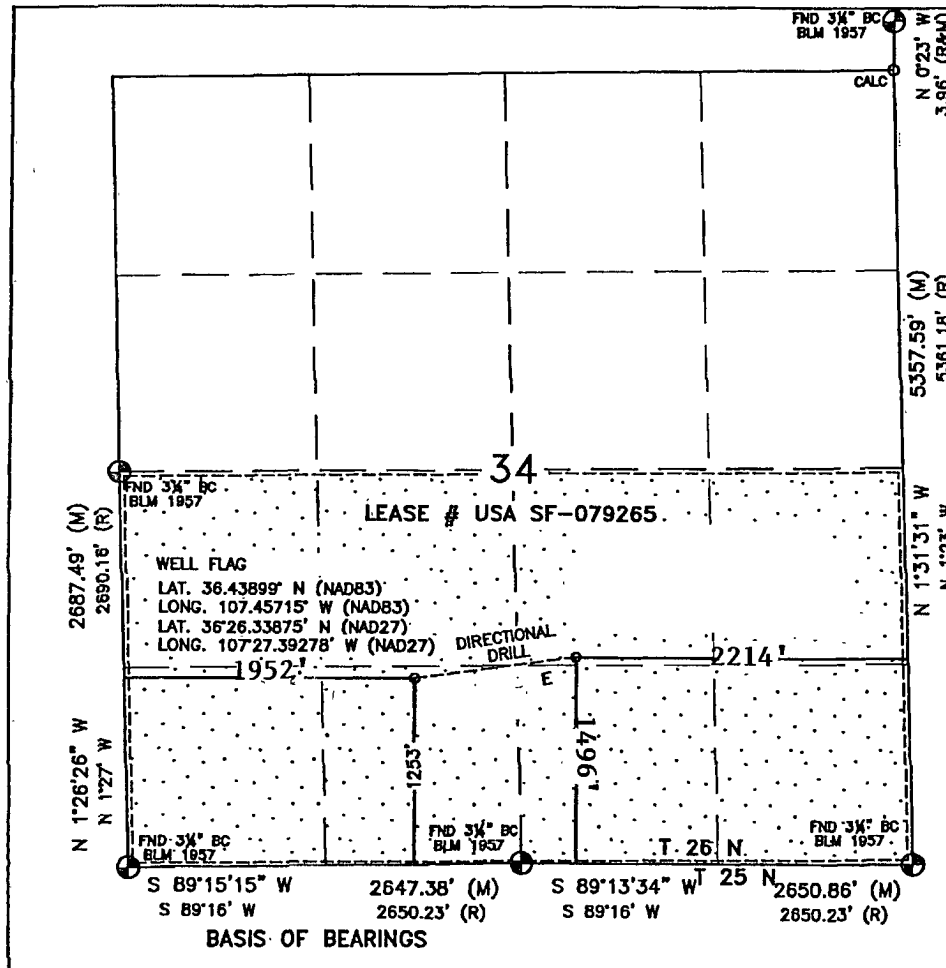
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	34	26N	6W		1253'	SOUTH	1952'	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no. J	Section 34	Township 26N	Range 6W	Lot Idn	Feet from the 1496'	North/South line SOUTH	Feet from the 2214'	East/West line EAST	County RIO ARRIBA
²² Dedicated Acres 320.0 Acres - (S/2)			¹⁸ Joint or Infill		²⁴ Consolidation Code		²⁵ Order No.		
RCVD SEP 4 '12 OIL CONS. DIV.									

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



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

Signature

Date

Marie Jaramillo 8/31/12

Printed Name _____

staff reg. tech

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.

APRIL 27, 2011

Date of Survey

Signature and Seal of Professional Surveyor:

DAVID R. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL

Certificate Number

10201

COP Deviation Report

RCVD SEP 4 '12

OIL CONS. DIV.

DIST. 9

KLEIN #24P

ConocoPhillips

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName KLEIN #24P	API / UWI 3003931094	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 034-026N-006W-N	N/S Dist (ft) 1,253.00	N/S Ref FSL	E/W Dist (ft) 1,952.00	E/W Ref FWL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
5/24/2012	130.00	0.75		Inc-WL	Mo Te Drilling Inc	
5/24/2012	230.00	1.00		Inc-WL	Mo Te Drilling Inc	
5/24/2012	327.00	1.00		Inc-WL	Mo Te Drilling Inc	
6/1/2012	388.00	1.04	134.22	IncAzi-MWD	Scientific Drilling	
6/1/2012	418.00	0.92	136.19	IncAzi-MWD	Scientific Drilling	
6/1/2012	449.00	1.49	98.87	IncAzi-MWD	Scientific Drilling	
6/1/2012	479.00	2.02	82.29	IncAzi-MWD	Scientific Drilling	
6/1/2012	510.00	2.66	69.66	IncAzi-MWD	Scientific Drilling	
6/1/2012	541.00	3.70	65.18	IncAzi-MWD	Scientific Drilling	
6/1/2012	571.00	4.76	58.98	IncAzi-MWD	Scientific Drilling	
6/1/2012	602.00	5.46	57.71	IncAzi-MWD	Scientific Drilling	
6/1/2012	633.00	5.96	56.97	IncAzi-MWD	Scientific Drilling	
6/1/2012	663.00	6.03	56.48	IncAzi-MWD	Scientific Drilling	
6/1/2012	694.00	5.95	59.39	IncAzi-MWD	Scientific Drilling	
6/1/2012	724.00	6.29	63.36	IncAzi-MWD	Scientific Drilling	
6/1/2012	755.00	6.86	65.67	IncAzi-MWD	Scientific Drilling	
6/1/2012	785.00	7.11	68.42	IncAzi-MWD	Scientific Drilling	
6/1/2012	815.00	7.80	71.43	IncAzi-MWD	Scientific Drilling	
6/1/2012	846.00	8.38	74.25	IncAzi-MWD	Scientific Drilling	
6/1/2012	876.00	9.00	74.36	IncAzi-MWD	Scientific Drilling	
6/1/2012	907.00	9.73	72.87	IncAzi-MWD	Scientific Drilling	
6/1/2012	939.00	10.55	74.50	IncAzi-MWD	Scientific Drilling	
6/1/2012	968.00	11.19	76.47	IncAzi-MWD	Scientific Drilling	
6/1/2012	999.00	11.85	77.43	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,033.00	12.70	79.78	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,065.00	13.05	82.13	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,097.00	13.38	82.71	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,130.00	13.82	82.25	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,162.00	14.66	81.34	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,194.00	15.41	80.46	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,226.00	16.17	80.34	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,259.00	16.51	81.04	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,291.00	17.07	82.12	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,323.00	17.67	81.80	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,355.00	18.41	80.88	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

KLEIN #24P

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
6/1/2012	1,388.00	19.26	80.09	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,420.00	19.65	78.63	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,452.00	19.65	77.76	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,484.00	20.94	77.35	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,516.00	21.68	77.85	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,549.00	22.21	79.66	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,581.00	22.48	79.58	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,645.00	22.96	78.29	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,710.00	23.63	78.30	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,774.00	23.96	77.22	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,839.00	23.12	77.60	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,903.00	23.23	77.35	IncAzi-MWD	Scientific Drilling	
6/1/2012	1,968.00	23.44	77.68	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,032.00	23.59	78.93	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,097.00	24.41	79.20	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,162.00	24.61	79.36	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,226.00	25.22	79.47	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,291.00	24.41	80.04	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,355.00	25.36	79.54	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,420.00	26.26	79.86	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,484.00	26.86	79.56	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,549.00	26.06	78.86	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,613.00	25.20	78.95	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,742.00	26.22	76.48	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,806.00	25.54	76.44	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,871.00	24.28	76.16	IncAzi-MWD	Scientific Drilling	
6/1/2012	2,935.00	23.44	76.48	IncAzi-MWD	Scientific Drilling	
6/1/2012	3,000.00	22.14	75.41	IncAzi-MWD	Scientific Drilling	
6/1/2012	3,064.00	21.35	75.94	IncAzi-MWD	Scientific Drilling	
6/1/2012	3,129.00	21.79	75.85	IncAzi-MWD	Scientific Drilling	
6/1/2012	3,193.00	21.63	76.90	IncAzi-MWD	Scientific Drilling	
6/1/2012	3,258.00	21.33	77.42	IncAzi-MWD	Scientific Drilling	
6/1/2012	3,322.00	20.94	77.66	IncAzi-MWD	Scientific Drilling	
6/1/2012	3,387.00	19.25	77.39	IncAzi-MWD	Scientific Drilling	
6/1/2012	3,451.00	17.61	76.16	IncAzi-MWD	Scientific Drilling	
6/1/2012	3,516.00	15.43	76.60	IncAzi-MWD	Scientific Drilling	
6/2/2012	3,580.00	13.80	76.59	IncAzi-MWD	Scientific Drilling	
6/2/2012	3,645.00	13.15	74.67	IncAzi-MWD	Scientific Drilling	
6/2/2012	3,709.00	12.29	73.72	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 (RKB)	Incl (°)	Azm (°)	Method	Survey Company
6/2/2012	3,774.00	11.07	74 61	IncAzi-MWD	Scientific Drilling
6/2/2012	3,838.00	10 39	74 34	IncAzi-MWD	Scientific Drilling
6/2/2012	3,902.00	8 97	76.07	IncAzi-MWD	Scientific Drilling
6/2/2012	3,967.00	7.47	76 83	IncAzi-MWD	Scientific Drilling
6/2/2012	4,031.00	6.45	74 88	IncAzi-MWD	Scientific Drilling
6/2/2012	4,095.00	5.44	78 89	IncAzi-MWD	Scientific Drilling
6/2/2012	4,160.00	4.36	81.48	IncAzi-MWD	Scientific Drilling
6/2/2012	4,224.00	4.38	79.06	IncAzi-MWD	Scientific Drilling
6/2/2012	4,288.00	4.22	81.35	IncAzi-MWD	Scientific Drilling
6/2/2012	4,353.00	3.63	82.34	IncAzi-MWD	Scientific Drilling
6/2/2012	4,417.00	3.53	83.44	IncAzi-MWD	Scientific Drilling
6/2/2012	4,482.00	3 31	84.24	IncAzi-MWD	Scientific Drilling
6/2/2012	4,545.00	3.37	84.82	IncAzi-MWD	Scientific Drilling
6/2/2012	4,609.00	3.15	86 35	IncAzi-MWD	Scientific Drilling
6/2/2012	4,674.00	2.73	88 93	IncAzi-MWD	Scientific Drilling
6/2/2012	4,739.00	2.76	85 54	IncAzi-MWD	Scientific Drilling
6/2/2012	4,803.00	2.32	88 29	IncAzi-MWD	Scientific Drilling
6/2/2012	4,868.00	1 82	88.27	IncAzi-MWD	Scientific Drilling
6/2/2012	4,918.00	1 58	89.90	IncAzi-MWD	Scientific Drilling
6/2/2012	4,975.00	1.31	91.76	Projection	Scientific Drilling
6/8/2012	5,450.00	0.50		Inc-WL	Aztec Well Servicing Co Inc
6/8/2012	5,950.00	0.50		Inc-WL	Aztec Well Servicing Co Inc
6/8/2012	6,450.00	1.00		Inc-WL	Aztec Well Servicing Co Inc
6/9/2012	6,950.00	0.50		Inc-WL	Aztec Well Servicing Co Inc
6/10/2012	7,450.00	1.50		Inc-WL	Aztec Well Servicing Co Inc
6/13/2012	7,680.00	1.50		Inc-WL	Aztec Well Servicing Co Inc
6/13/2012	7,695.00	1.50		Inc-WL	Aztec Well Servicing Co Inc
6/13/2012	7,720.00	1.00		Inc-Drop	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.

[Signature]

Subscribed and sworn to me this

8/16/12
Mar 12 9 *[Signature]*

Notary Public in and for San Juan County, New Mexico

My Commission expires

7/28/14



RCVD SEP 4 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 34-T26N-R6W
Klein 24P

OH

API# 3003931094

Design: OH

Standard Survey Report

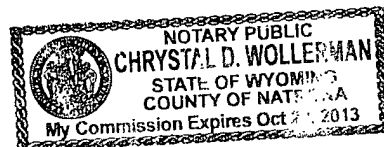
07 June, 2012

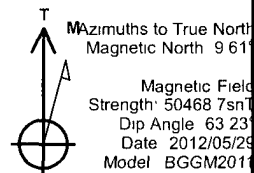
This survey is correct to the best of my knowledge and is supported by actual field data.

Notarized this date 7th of May, 2012.

Chrystal D. Wollerman

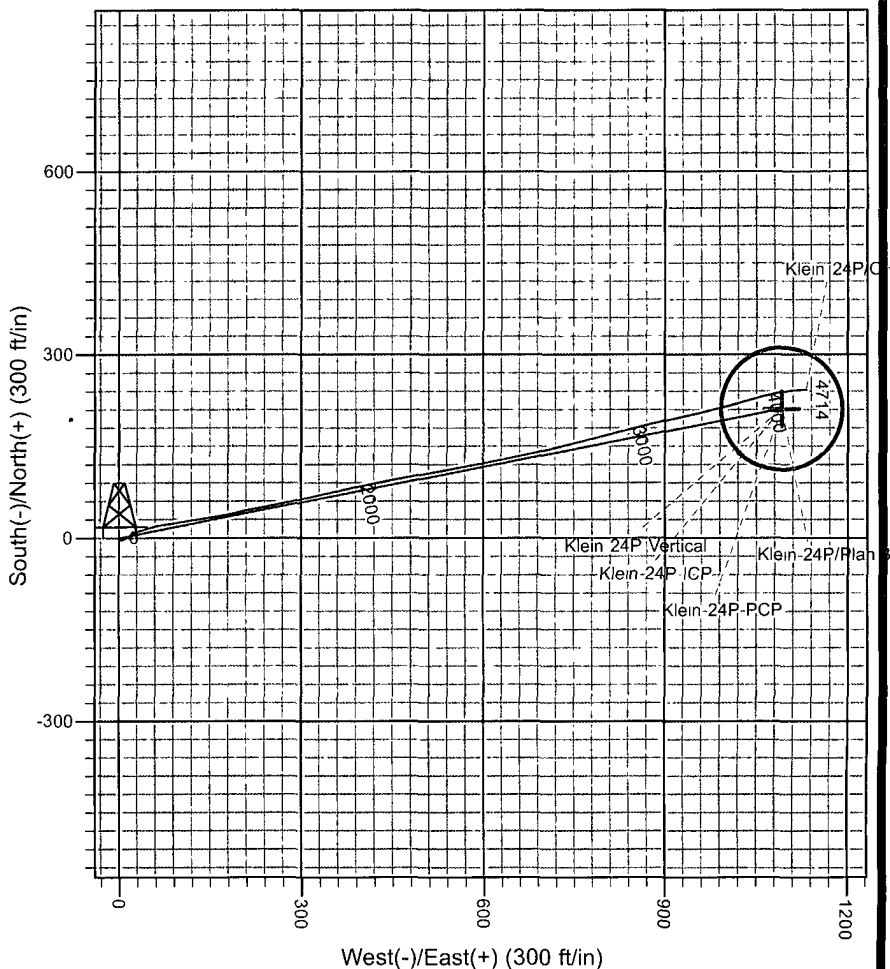
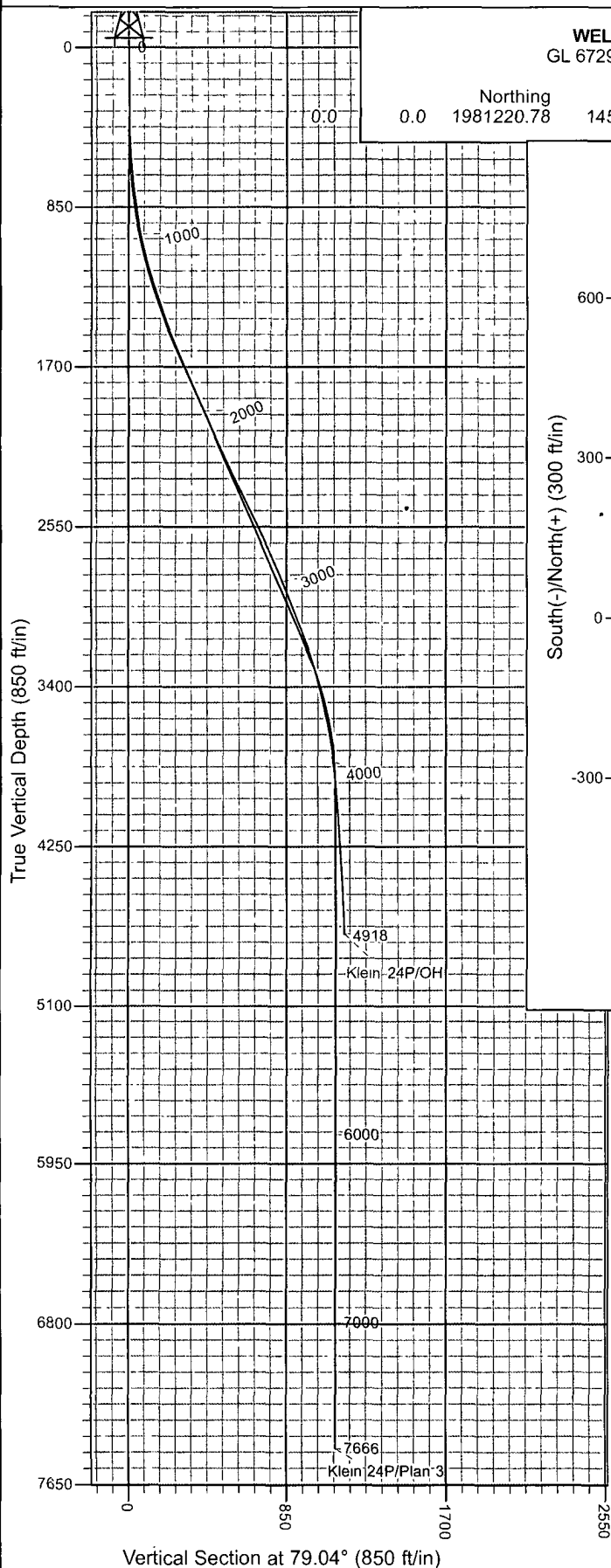
Notary Signature
County of Natrona
State of Wyoming





WELL DETAILS: Klein 24P
 GL 6729' & KB 15' @ 6744.0ft (AWS 920)
 Ground Level: 6729.0

North	East	Lat	Long
0.0	0.0	36° 26' 20.325 N	107° 27' 23.567 W



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Klein 24P, True North
 Vertical (TVD) Reference: GL 6729' & KB 15' @ 6744.0ft (AWS 920)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 6729' & KB 15' @ 6744.0ft (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 Klein 24P
Project:	SJB (NM Central)	TVD Reference:	GL 6729' & KB 15' @ 6744.0ft (AWS 920)
Site:	SEC 34-T26N-R6W	MD Reference:	GL 6729' & KB 15' @ 6744.0ft (AWS 920)
Well:	Klein 24P	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 34-T26N-R6W		
Site Position:		Northing:	1,982,938 11 ft
From:	Lat/Long	Easting:	146,320 56 ft
Position Uncertainty:	0 0 ft	Slot Radius:	"
		Latitude:	36° 26' 37.456 N
		Longitude:	107° 27' 8 854 W
		Grid Convergence:	-0.71 °

Well	Klein 24P, 1253' FSL 1952' 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° 26' 20.325 N
		Longitude:	107° 27' 23.567 W
		Ground Level:	6,729.0 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2011	2012/05/29	9.61
			Dip Angle
			(°)
			Field Strength
			(nT)
			63.23
			50,469

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
			(°)
			79.04

Survey Program	Date	2012/06/07		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
388 0	4,918.0	Survey #1 (OH)	MWD SDI	MWD - Standard ver 1.0.1

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
388.0	1.04	134.22	388 0	-2.5	2.5	2.0	0.27	0.27	0.00
First SDI MWD Survey									
418.0	0.92	136.19	418.0	-2.8	2.9	2.3	0.42	-0.40	6.57
449.0	1.49	98.87	449.0	-3.1	3.5	2.8	3.04	1.84	-120.39
479.0	2.02	82.29	479.0	-3.1	4.4	3.7	2.43	1.77	-55.27
510.0	2.66	69.66	509.9	-2.7	5.6	5.0	2.64	2.06	-40.74
541.0	3.70	65.18	540.9	-2.1	7.2	6.6	3.45	3.35	-14.45
571.0	4.76	58.98	570.8	-1.0	9.1	8.8	3.84	3.53	-20.67
602.0	5.46	57.71	601.7	0.4	11.5	11.3	2.29	2.26	-4.10
633.0	5.96	56.97	632.5	2 1	14.1	14.2	1.63	1.61	-2.39
663.0	6.03	56.48	662.4	3.8	16.7	17.1	0.29	0.23	-1.63
694.0	5.95	59.39	693.2	5.5	19.4	20.1	1.01	-0.26	9.39

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Klein 24P
Project:	SJB (NM Central)	TVD Reference:	GL 6729' & KB 15' @ 6744.0ft (AWS 920)
Site:	SEC 34-T26N-R6W	MD Reference:	GL 6729' & KB 15' @ 6744.0ft (AWS 920)
Well:	Klein 24P	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)
724.0	6.29	63.36	723.0	7.1	22.2	23.2	1.81	1.13	13.23
755.0	6.86	65.67	753.8	8.6	25.4	26.6	2.03	1.84	7.45
785.0	7.11	68.42	783.6	10.0	28.8	30.2	1.39	0.83	9.17
815.0	7.80	71.43	813.3	11.3	32.4	34.0	2.64	2.30	10.03
846.0	8.38	74.25	844.0	12.6	36.6	38.3	2.27	1.87	9.10
876.0	9.00	74.36	873.7	13.9	41.0	42.9	2.07	2.07	0.37
907.0	9.73	72.87	904.3	15.3	45.8	47.9	2.48	2.35	-4.81
939.0	10.55	74.50	935.8	16.9	51.2	53.5	2.71	2.56	5.09
968.0	11.19	76.47	964.2	18.2	56.5	58.9	2.55	2.21	6.79
999.0	11.85	77.43	994.6	19.6	62.5	65.1	2.22	2.13	3.10
1,033.0	12.70	79.78	1,027.8	21.0	69.6	72.4	2.90	2.50	6.91
1,065.0	13.05	82.13	1,059.0	22.2	76.7	79.5	1.97	1.09	7.34
1,097.0	13.38	82.71	1,090.2	23.1	83.9	86.8	1.11	1.03	1.81
1,130.0	13.82	82.25	1,122.3	24.1	91.6	94.5	1.37	1.33	-1.39
1,162.0	14.66	81.34	1,153.3	25.3	99.4	102.4	2.72	2.63	-2.84
1,194.0	15.41	80.46	1,184.2	26.6	107.6	110.7	2.45	2.34	-2.75
1,226.0	16.17	80.34	1,215.0	28.0	116.2	119.4	2.38	2.38	-0.38
1,259.0	16.51	81.04	1,246.7	29.5	125.3	128.7	1.19	1.03	2.12
1,291.0	17.07	82.12	1,277.3	30.9	134.5	137.9	2.00	1.75	3.38
1,323.0	17.67	81.80	1,307.8	32.2	144.0	147.5	1.90	1.88	-1.00
1,355.0	18.41	80.88	1,338.3	33.7	153.7	157.4	2.48	2.31	-2.88
1,388.0	19.26	80.09	1,369.5	35.5	164.3	168.0	2.69	2.58	-2.39
1,420.0	19.65	78.63	1,399.7	37.5	174.7	178.7	1.95	1.22	-4.56
1,452.0	19.65	77.76	1,429.8	39.7	185.3	189.4	0.91	0.00	-2.72
1,484.0	20.94	77.35	1,459.8	42.0	196.1	200.5	4.06	4.03	-1.28
1,516.0	21.68	77.85	1,489.6	44.5	207.5	212.1	2.38	2.31	1.56
1,549.0	22.21	79.66	1,520.2	46.9	219.6	224.5	2.60	1.61	5.48
1,581.0	22.48	79.58	1,549.8	49.1	231.5	236.6	0.85	0.84	-0.25
1,645.0	22.96	78.29	1,608.9	53.9	255.8	261.4	1.08	0.75	-2.02
1,710.0	23.63	78.30	1,668.6	59.1	280.9	287.1	1.03	1.03	0.02
1,774.0	23.96	77.22	1,727.1	64.6	306.2	312.9	0.85	0.52	-1.69
1,839.0	23.12	77.60	1,786.7	70.2	331.5	338.8	1.31	-1.29	0.58
1,903.0	23.23	77.35	1,845.5	75.7	356.1	364.0	0.23	0.17	-0.39
1,968.0	23.44	77.68	1,905.2	81.3	381.2	389.7	0.38	0.32	0.51
2,032.0	23.59	78.93	1,963.9	86.4	406.2	415.3	0.81	0.23	1.95
2,097.0	24.41	79.20	2,023.3	91.5	432.2	441.7	1.27	1.26	0.42
2,162.0	24.61	79.36	2,082.4	96.5	458.7	468.7	0.32	0.31	0.25
2,226.0	25.22	79.47	2,140.5	101.4	485.2	495.6	0.96	0.95	0.17
2,291.0	24.41	80.04	2,199.5	106.3	512.0	522.9	1.30	-1.25	0.88
2,355.0	25.36	79.54	2,257.5	111.1	538.5	549.8	1.52	1.48	-0.78
2,420.0	26.26	79.86	2,316.1	116.1	566.4	578.1	1.40	1.38	0.49
2,484.0	26.86	79.56	2,373.3	121.2	594.5	606.8	0.96	0.94	-0.47
2,549.0	26.06	78.86	2,431.5	126.6	623.0	635.7	1.32	-1.23	-1.08
2,613.0	25.20	78.95	2,489.2	132.0	650.2	663.4	1.35	-1.34	0.14
2,677.0	25.88	77.17	2,546.9	137.7	677.2	691.0	1.60	1.06	-2.78
2,742.0	26.22	76.48	2,605.3	144.2	704.9	719.5	0.70	0.52	-1.06
2,806.0	25.54	76.44	2,662.9	150.7	732.1	747.4	1.06	-1.06	-0.06
2,871.0	24.28	76.16	2,721.9	157.2	758.7	774.8	1.95	-1.94	-0.43
2,935.0	23.44	76.48	2,780.4	163.3	783.9	800.6	1.33	-1.31	0.50
3,000.0	22.14	75.41	2,840.3	169.4	808.3	825.8	2.10	-2.00	-1.65
3,064.0	21.35	75.14	2,899.8	175.5	831.2	849.4	1.24	-1.23	-0.42
3,129.0	21.79	75.85	2,960.2	181.5	854.3	873.3	0.79	0.68	1.09
3,193.0	21.63	76.90	3,019.7	187.0	877.4	896.9	0.66	-0.25	1.64
3,258.0	21.33	77.42	3,080.2	192.3	900.6	920.7	0.55	-0.46	0.80

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Klein 24P
Project:	SJB (NM Central)	TVD Reference:	GL 6729' & KB 15' @ 6744.0ft (AWS 920)
Site:	SEC 34-T26N-R6W	MD Reference:	GL 6729' & KB 15' @ 6744.0ft (AWS 920)
Well:	Klein 24P	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)
3,322.0	20.94	77.66	3,139.9	197.3	923.1	943.8	0.62	-0.61	0.38
3,387.0	19.25	77.39	3,200.9	202.1	944.9	966.1	2.60	-2.60	-0.42
3,451.0	17.61	76.16	3,261.6	206.7	964.6	986.3	2.63	-2.56	-1.92
3,516.0	15.43	76.60	3,323.9	211.1	982.6	1,004.8	3.36	-3.35	0.68
3,580.0	13.80	76.59	3,385.9	214.8	998.3	1,020.9	2.55	-2.55	-0.02
3,645.0	13.15	74.67	3,449.1	218.6	1,012.9	1,036.0	1.21	-1.00	-2.95
3,709.0	12.29	73.72	3,511.5	222.4	1,026.5	1,050.1	1.38	-1.34	-1.48
3,774.0	11.06	74.61	3,575.1	226.0	1,039.1	1,063.2	1.91	-1.89	1.37
3,838.0	10.39	74.39	3,638.0	229.2	1,050.6	1,075.0	1.05	-1.05	-0.34
3,902.0	8.97	76.07	3,701.1	232.0	1,061.0	1,085.8	2.26	-2.22	2.63
3,967.0	7.47	76.83	3,765.4	234.1	1,070.1	1,095.1	2.31	-2.31	1.17
4,031.0	6.45	74.88	3,829.0	236.0	1,077.6	1,102.8	1.64	-1.59	-3.05
4,095.0	5.44	78.89	3,892.6	237.6	1,084.0	1,109.4	1.71	-1.58	6.27
4,160.0	4.36	81.48	3,957.4	238.5	1,089.5	1,115.0	1.70	-1.66	3.98
4,224.0	4.38	79.06	4,021.2	239.3	1,094.3	1,119.8	0.29	0.03	-3.78
4,288.0	4.22	81.35	4,085.0	240.2	1,099.0	1,124.6	0.37	-0.25	3.58
4,353.0	3.63	82.34	4,149.9	240.8	1,103.4	1,129.1	0.91	-0.91	1.52
4,417.0	3.54	83.44	4,213.7	241.3	1,107.4	1,133.1	0.18	-0.14	1.72
4,482.0	3.31	84.24	4,278.6	241.7	1,111.3	1,136.9	0.36	-0.35	1.23
4,545.0	3.37	84.82	4,341.5	242.0	1,114.9	1,140.6	0.11	0.10	0.92
4,609.0	3.15	86.35	4,405.4	242.3	1,118.5	1,144.2	0.37	-0.34	2.39
4,674.0	2.73	88.93	4,470.3	242.5	1,121.9	1,147.5	0.68	-0.65	3.97
4,738.0	2.76	85.54	4,534.3	242.6	1,124.9	1,150.5	0.26	0.05	-5.30
4,803.0	2.32	88.29	4,599.2	242.8	1,127.8	1,153.4	0.70	-0.68	4.23
4,868.0	1.82	88.27	4,664.2	242.9	1,130.2	1,155.7	0.77	-0.77	-0.03
4,918.0	1.58	89.90	4,714.1	242.9	1,131.6	1,157.2	0.49	-0.48	3.26
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	-2.5	2.5	First SDI MWD Survey
4,918.0	4,714.1	242.9	1,131.6	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____