

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

"AS DRILLED PLAT"☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35051	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 7573	⁵ Property Name SUNRAY K COM	⁶ Well Number 1M
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6165

¹⁰ SURFACE LOCATION

UL or lot no. G	Section 32	Township 31-N	Range 10-W	Lot Idn	Feet from the 1764	North/South line NORTH	Feet from the 1667	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. H	Section 32	Township 31-N	Range 10-W	Lot Idn	Feet from the 2311	North/South line NORTH	Feet from the 753	East/West line EAST	County SAN JUAN
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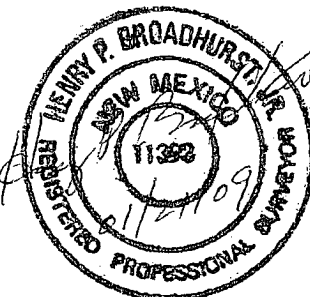
¹² Dedicated Acres 320.00 (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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RCVD MAR 9 '11

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

DIST. 3

¹⁶ BLM 1968 N 89°46'32" W N 89°47' W	WELL FLAG NAD 83 LAT: 36.857473° N LONG: 107.902180° W NAD 27 LAT: 36°51.448210' N LONG: 107°54.093611' W	NM-B1-0735-47 1764'	5471.2' (M) 5467.4' (R) BLM 1968 5244.4' (R) 5238.1' (M)	OPERATOR CERTIFICATION <i>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.</i> <i>Crystal Tafoya</i> 3/8/11 Signature Crystal Tafoya Printed Name Staff Regulatory Tech. Title and E-mail Address March 8, 2011 Date
		NM-E-0499-08 1667'	2311'	
	BOTTOM HOLE	NM-B1-0567-02	753' NM-OG-171-02	SURVEYOR CERTIFICATION <i>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.</i> Date of Survey: 12/18/08 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393
		NM-B1-1124-53	NM-B1-0735-49 2'24" E 2'25'02" E BLM 1967	

ROAD MAR 9'11
 OIL CONS. DIV.
 DIST. 3

Legal WellName : SUNRAY K COM #1M	API / UWI: 3004535051
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP	Surf Loc: 032-031N-010W-G
St/Prov: NEW MEXICO	N/S Dist (ft): 1,764.00 - FNL
County: SAN JUAN	E/W Dist (ft): 1,667.00 - FEL

Wellbore Name : Original Hole				
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Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
INCLINATION SURVEY	11/24/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
11/24/2010	129.00	.75	.00	Inc-Drop	MO-TE DRILLING INC
11/24/2010	238.00	.75	.00	Inc-Drop	MO-TE DRILLING INC

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
MWD SURVEY	12/12/2010	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
12/13/2010	276.00	1.31	260.38	IncAzi-MWD	Scientific Drilling
12/13/2010	337.00	.95	214.39	IncAzi-MWD	Scientific Drilling
12/13/2010	398.00	1.77	170.66	IncAzi-MWD	Scientific Drilling
12/13/2010	460.00	2.89	146.66	IncAzi-MWD	Scientific Drilling
12/13/2010	522.00	4.13	133.99	IncAzi-MWD	Scientific Drilling
12/13/2010	583.00	5.83	122.10	IncAzi-MWD	Scientific Drilling
12/13/2010	645.00	6.43	124.34	IncAzi-MWD	Scientific Drilling
12/13/2010	708.00	7.90	123.19	IncAzi-MWD	Scientific Drilling
12/13/2010	769.00	10.10	122.00	IncAzi-MWD	Scientific Drilling
12/13/2010	831.00	11.86	119.69	IncAzi-MWD	Scientific Drilling
12/13/2010	893.00	13.68	119.21	IncAzi-MWD	Scientific Drilling
12/13/2010	954.00	15.18	118.00	IncAzi-MWD	Scientific Drilling
12/13/2010	1,016.00	16.85	120.10	IncAzi-MWD	Scientific Drilling
12/13/2010	1,078.00	18.31	122.85	IncAzi-MWD	Scientific Drilling
12/13/2010	1,140.00	20.23	125.65	IncAzi-MWD	Scientific Drilling
12/13/2010	1,202.00	22.61	125.90	IncAzi-MWD	Scientific Drilling
12/13/2010	1,264.00	24.57	124.88	IncAzi-MWD	Scientific Drilling
12/13/2010	1,325.00	26.15	122.41	IncAzi-MWD	Scientific Drilling
12/13/2010	1,388.00	28.42	121.31	IncAzi-MWD	Scientific Drilling
12/13/2010	1,451.00	29.06	119.54	IncAzi-MWD	Scientific Drilling
12/13/2010	1,515.00	29.10	119.37	IncAzi-MWD	Scientific Drilling
12/13/2010	1,580.00	30.17	119.01	IncAzi-MWD	Scientific Drilling
12/13/2010	1,641.00	30.37	117.33	IncAzi-MWD	Scientific Drilling
12/13/2010	1,704.00	31.44	118.67	IncAzi-MWD	Scientific Drilling
12/13/2010	1,767.00	32.96	120.67	IncAzi-MWD	Scientific Drilling
12/13/2010	1,830.00	33.72	120.27	IncAzi-MWD	Scientific Drilling
12/14/2010	1,893.00	33.25	119.47	IncAzi-MWD	Scientific Drilling

12/14/2010	1,956.00	33.17	118.74	IncAzi-MWD	Scientific Drilling
12/14/2010	2,019.00	33.46	120.24	IncAzi-MWD	Scientific Drilling
12/14/2010	2,082.00	32.97	122.22	IncAzi-MWD	Scientific Drilling
12/14/2010	2,146.00	32.91	121.78	IncAzi-MWD	Scientific Drilling
12/14/2010	2,209.00	33.32	121.11	IncAzi-MWD	Scientific Drilling
12/14/2010	2,272.00	32.96	121.87	IncAzi-MWD	Scientific Drilling
12/14/2010	2,336.00	31.45	124.89	IncAzi-MWD	Scientific Drilling
12/14/2010	2,399.00	31.05	124.05	IncAzi-MWD	Scientific Drilling
12/14/2010	2,462.00	30.36	124.68	IncAzi-MWD	Scientific Drilling
12/14/2010	2,524.00	27.94	124.06	IncAzi-MWD	Scientific Drilling
12/14/2010	2,587.00	26.33	124.63	IncAzi-MWD	Scientific Drilling
12/14/2010	2,651.00	24.14	125.73	IncAzi-MWD	Scientific Drilling
12/14/2010	2,714.00	21.27	123.78	IncAzi-MWD	Scientific Drilling
12/14/2010	2,777.00	18.13	121.32	IncAzi-MWD	Scientific Drilling
12/15/2010	2,840.00	16.88	119.51	IncAzi-MWD	Scientific Drilling
12/15/2010	2,904.00	15.64	117.44	IncAzi-MWD	Scientific Drilling
12/15/2010	2,967.00	13.91	114.83	IncAzi-MWD	Scientific Drilling
12/15/2010	3,030.00	13.46	113.48	IncAzi-MWD	Scientific Drilling
12/15/2010	3,092.00	12.62	112.29	IncAzi-MWD	Scientific Drilling
12/15/2010	3,155.00	11.73	109.08	IncAzi-MWD	Scientific Drilling
12/15/2010	3,218.00	9.89	104.04	IncAzi-MWD	Scientific Drilling
12/15/2010	3,282.00	7.87	103.80	IncAzi-MWD	Scientific Drilling
12/15/2010	3,345.00	6.87	103.28	IncAzi-MWD	Scientific Drilling
12/15/2010	3,409.00	5.54	105.15	IncAzi-MWD	Scientific Drilling
12/15/2010	3,472.00	4.03	109.42	IncAzi-MWD	Scientific Drilling
12/15/2010	3,503.00	3.35	112.35	IncAzi-MWD	Scientific Drilling
12/15/2010	3,559.00	3.35	112.35	IncAzi-MWD	Scientific Drilling
Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)	
FINAL BH SURVEY	12/27/2010	.00	.00	.00	
Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
12/27/2010	7,616.00	.50	.00	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.

Tom Dalmonte

Subscribed and sworn to me this March 8, 2011

Crystal L. Tofayari

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2014

RCVD MAR 9 '11
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)
SEC 32-T31N-R10W
Sunray K Com #1M
API# 30-045-35051
Original Hole

Survey: Actual

Standard Survey Report

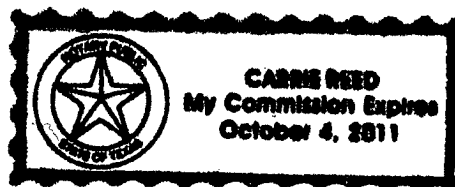
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard A. Barton

Notarized this date 14th of January, 2011.

Carrie Reed

Notary Signature
County of Midland
State of Texas

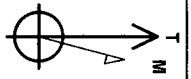




Scientific Drilling

Directional Drilling Operations

Project: SJB (NM West)
Site: SEC 32-T31N-R10W
Well: Sunray K Com #1M
Wellbore: Original Hole
Design: Plan #2



Azimuths to True North
Magnetic North: 10.03°
Magnetic Field
Strength: 50849.1nT
Dip Angle: 63.59°
Date: 10/28/2010
Model: BGM2010

+N/S
0.0

+E/W
0.0

Northing
2131387.98

WELL DETAILS: Sunray K Com #1M
AWS 711 @ 6180.0ft (15' KB + 6165' GL)
Ground Level: 6165.0
Easting
480039.60

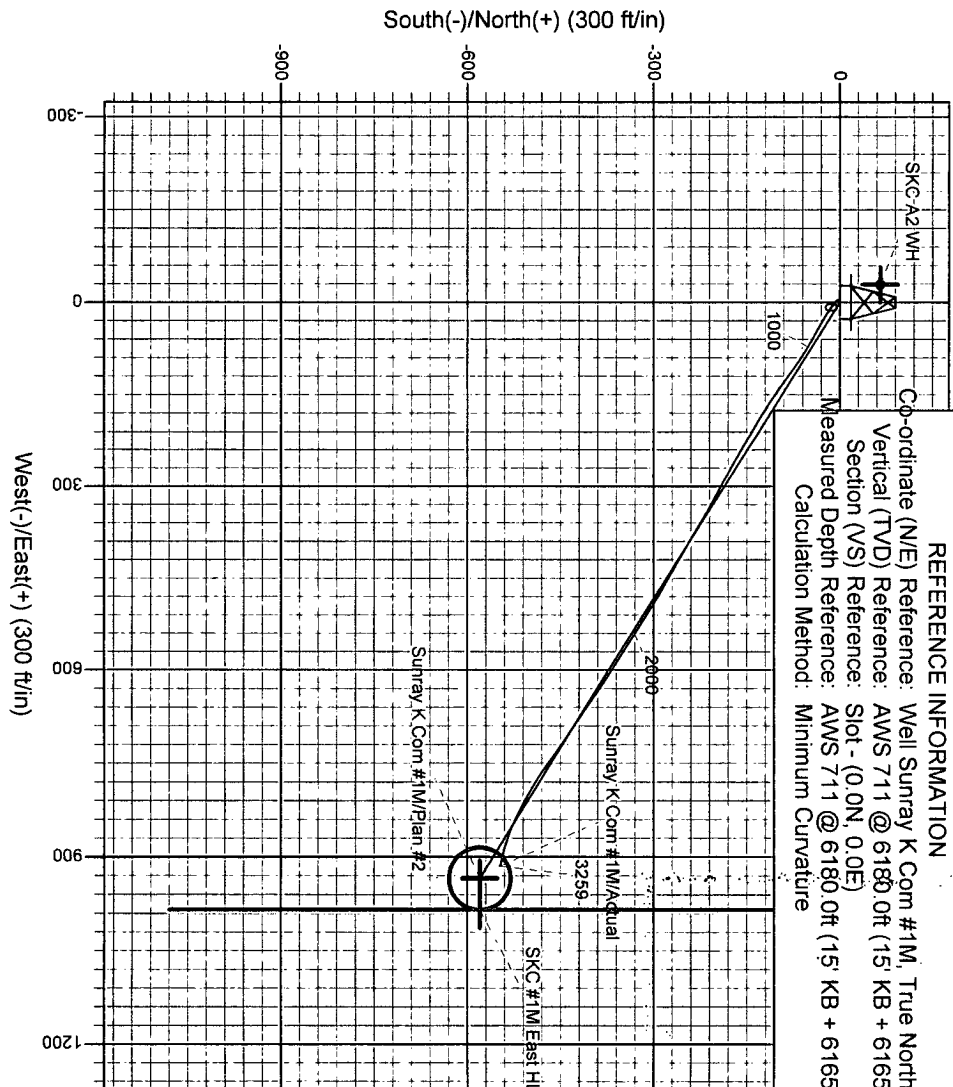
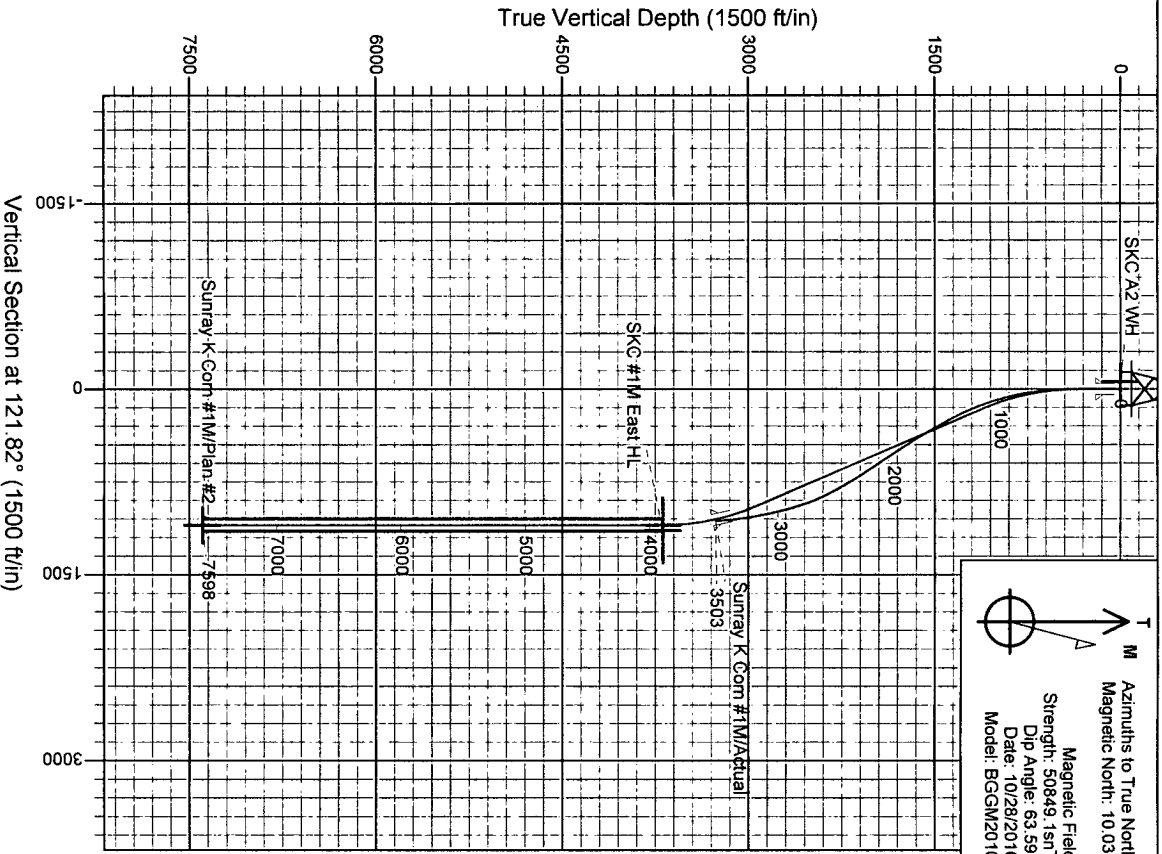
Latitude
36° 51' 26.893 N

Longitude
107° 54' 5.617 W

Slot

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Sunray K Com #1M, True North
Vertical (TVD) Reference: AWS 711 @ 6180.0ft (15' KB + 6165' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 711 @ 6180.0ft (15' KB + 6165' GL)
Calculation Method: Minimum Curvature



West(-)/East(+) (300 ft/in)

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 32-T31N-R10W

San Juan County NM
Site Centre Latitude: 36° 51' 26.893 N
Longitude: 107° 54' 5.617 W
Positional Uncertainty: 7.5
Convergence: -0.04
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Sunray K Com #1M
Project:	SJB (NM West)	TVD Reference:	AWS 711 @ 6180.0ft (15' KB + 6165' GL)
Site:	SEC 32-T31N-R10W	MD Reference:	AWS 711 @ 6180.0ft (15' KB + 6165' GL)
Well:	Sunray K Com #1M	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 32-T31N-R10W			
Site Position:		Northing:	2,131,387.98 ft	Latitude:	36° 51' 26.893 N
From:	Lat/Long	Easting:	480,039.60 ft	Longitude:	107° 54' 5.617 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.04 °

Well	Sunray K Com #1M, S-Type MV/DK Well					
Well Position	+N/-S	0.0 ft	Northing:	2,131,387.98 ft	Latitude:	36° 51' 26.893 N
	+E/-W	0.0 ft	Easting:	480,039.60 ft	Longitude:	107° 54' 5.617 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,165.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	10/28/2010	10.03	63.59	50,849

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	120.90

Survey Program	Date 1/14/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
276.0	3,503.0	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
276.0	1.31	260.38	276.0	-0.5	-3.1	-2.4	0.47	0.47	0.00
337.0	0.95	214.39	337.0	-1.1	-4.1	-3.0	1.55	-0.59	-75.39
398.0	1.77	170.66	397.9	-2.4	-4.2	-2.4	2.08	1.34	-71.69
460.0	2.89	146.66	459.9	-4.7	-3.2	-0.4	2.36	1.81	-38.71
522.0	4.13	133.99	521.8	-7.5	-0.7	3.2	2.35	2.00	-20.44
583.0	5.83	122.10	582.6	-10.7	3.5	8.5	3.25	2.79	-19.49
645.0	6.43	124.34	644.2	-14.3	9.0	15.1	1.04	0.97	3.61
708.0	7.90	123.19	706.7	-18.7	15.5	22.9	2.34	2.33	-1.83
769.0	10.10	122.00	766.9	-23.8	23.6	32.5	3.62	3.61	-1.95
831.0	11.86	119.69	827.8	-29.8	33.7	44.3	2.93	2.84	-3.73
893.0	13.68	119.21	888.3	-36.6	45.7	58.0	2.94	2.94	-0.77
954.0	15.18	118.00	947.3	-43.9	59.0	73.2	2.51	2.46	-1.98

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Sunray K Com #1M
Project:	SJB (NM West)	TVD Reference:	AWS 711 @ 6180.0ft (15' KB + 6165' GL)
Site:	SEC 32-T31N-R10W	MD Reference:	AWS 711 @ 6180.0ft (15' KB + 6165' GL)
Well:	Sunray K Com #1M	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)	
1,016.0	16.85	120.10	1,006.9	-52.2	74.0	90.2	2.85	2.69	3.39	
1,078.0	18.31	122.85	1,066.0	-62.0	89.9	109.0	2.71	2.35	4.44	
1,140.0	20.23	125.65	1,124.6	-73.5	106.8	129.4	3.44	3.10	4.52	
1,202.0	22.61	125.90	1,182.3	-86.7	125.2	151.9	3.84	3.84	0.40	
1,264.0	24.57	124.88	1,239.1	-101.1	145.4	176.7	3.23	3.16	-1.65	
1,325.0	26.15	122.41	1,294.2	-115.5	167.2	202.8	3.12	2.59	-4.05	
1,388.0	28.42	121.31	1,350.2	-130.8	191.7	231.6	3.69	3.60	-1.75	
1,451.0	29.06	119.54	1,405.4	-146.1	217.8	261.9	1.69	1.02	-2.81	
1,515.0	29.10	119.37	1,461.4	-161.4	244.9	293.0	0.14	0.06	-0.27	
1,580.0	30.17	119.01	1,517.9	-177.1	273.0	325.2	1.67	1.65	-0.55	
1,641.0	30.37	117.33	1,570.6	-191.6	300.1	355.9	1.43	0.33	-2.75	
1,704.0	31.44	118.67	1,624.6	-206.8	328.6	388.2	2.02	1.70	2.13	
1,767.0	32.96	120.67	1,677.9	-223.4	357.8	421.7	2.95	2.41	3.17	
1,830.0	33.72	120.27	1,730.6	-241.0	387.6	456.4	1.26	1.21	-0.63	
1,893.0	33.25	119.47	1,783.1	-258.3	417.8	491.1	1.02	-0.75	-1.27	
1,956.0	33.17	118.74	1,835.8	-275.1	447.9	525.6	0.65	-0.13	-1.16	
2,019.0	33.46	120.24	1,888.5	-292.1	478.0	560.2	1.39	0.46	2.38	
2,082.0	32.97	122.22	1,941.2	-310.0	507.5	594.7	1.89	-0.78	3.14	
2,146.0	32.91	121.78	1,994.9	-328.4	537.1	629.5	0.39	-0.09	-0.69	
2,209.0	33.32	121.11	2,047.6	-346.4	566.4	663.9	0.87	0.65	-1.06	
2,272.0	32.96	121.87	2,100.4	-364.4	595.8	698.3	0.87	-0.57	1.21	
2,336.0	31.45	124.89	2,154.6	-383.1	624.3	732.4	3.45	-2.36	4.72	
2,399.0	31.04	124.05	2,208.4	-401.6	651.2	765.0	0.95	-0.65	-1.33	
2,462.0	30.36	124.68	2,262.6	-419.8	677.8	797.1	1.19	-1.08	1.00	
2,524.0	27.94	124.06	2,316.7	-436.8	702.7	827.3	3.93	-3.90	-1.00	
2,587.0	26.33	124.63	2,372.8	-453.0	726.4	856.0	2.59	-2.56	0.90	
2,651.0	24.14	125.73	2,430.7	-468.7	748.7	883.2	3.50	-3.42	1.72	
2,714.0	21.27	123.78	2,488.8	-482.6	768.7	907.4	4.71	-4.56	-3.10	
2,777.0	18.13	121.32	2,548.1	-494.1	786.5	928.6	5.15	-4.98	-3.90	
2,840.0	16.88	119.51	2,608.2	-503.7	802.9	947.6	2.16	-1.98	-2.87	
2,904.0	15.64	117.44	2,669.6	-512.2	818.6	965.5	2.14	-1.94	-3.23	
2,967.0	13.91	114.83	2,730.5	-519.3	833.0	981.5	2.94	-2.75	-4.14	
3,030.0	13.46	113.48	2,791.8	-525.4	846.6	996.3	0.88	-0.71	-2.14	
3,092.0	12.62	112.29	2,852.2	-530.9	859.5	1,010.1	1.42	-1.35	-1.92	
3,155.0	11.73	109.08	2,913.7	-535.6	871.9	1,023.2	1.77	-1.41	-5.10	
3,218.0	9.89	104.04	2,975.6	-539.0	883.2	1,034.7	3.28	-2.92	-8.00	
3,282.0	7.87	103.80	3,038.8	-541.4	892.8	1,044.1	3.16	-3.16	-0.38	
3,345.0	6.87	103.28	3,101.3	-543.3	900.7	1,051.8	1.59	-1.59	-0.83	
3,409.0	5.54	105.15	3,164.9	-544.9	907.4	1,058.5	2.10	-2.08	2.92	
3,472.0	4.03	109.42	3,227.7	-546.5	912.4	1,063.5	2.46	-2.40	6.78	
3,503.0	3.35	112.35	3,258.7	-547.2	914.3	1,065.5	2.28	-2.19	9.45	