

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 July 16, 2010
Submit one copy to appropriate
District Office

"AS DRILLED PLAT"

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35307		² Pool Code 86760		³ Pool Name UTE DOME PARADOX	
⁴ Property Code 18725		⁵ Property Name UTE MOUNTAIN UTE			⁶ Well Number 107
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6147

¹⁰ SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot (dn)	Feet from the	North/South line	Feet from the	East/West line	County
M	23	32-N	14-W		563	SOUTH	1024	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot (dn)	Feet from the	North/South line	Feet from the	East/West line	County
O	23	32-N	14-W		744	SOUTH	1539	EAST	SAN JUAN

¹² Dedicated Acres 640.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-12444 (B) (C)
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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

<p>¹⁶</p> <p>BASIS OF BEARING IS GRID NORTH, NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 DERIVED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.</p>	<p>SECTION 23, T-32-N, R-14-W</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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 released 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 into...</p> <p><i>Denise Journey</i> 3/26/12 Signature Date</p> <p>Denise Journey Printed Name</p> <p>Denise.Journey@conocophillips.com E-mail Address</p>
<p>BLM 1986</p> <p>2639.1' (M) 2640.0' (R)</p> <p>N 0°17'48" E N 0°01' W</p> <p>FD. REBAR LS#8894</p> <p>563'</p> <p>S 89°58' W S 89°43'44" E</p>	<p>1-22-IND-2772</p> <p>WELL FLAG NAD 83 LAT: 36.967751° N LONG: 108.283902° W NAD 27 LAT: 36°58.065132' N LONG: 108°16.996011' W</p>	<p>BLM 1986</p> <p>BOTTOM HOLE</p> <p>1539'</p> <p>744'</p> <p>5282.0' (R) BLM 1986 5280.9' (M)</p>

A

PC

Legal WellName : UTE MOUNTAIN UTE #107	API / UWI: 3004535307
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP	Surf Loc: 023-032N-014W-M
St/Prov: NEW MEXICO	N/S Dist (ft): 563.00 - FSL
County: SAN JUAN	E/W Dist (ft): 1,024.00 - FWL

Wellbore Name : Original Hole

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
INCLINATION SURVEY	11/30/2011	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
11/30/2011	100.00	1.00	.00	Inc-MWD	Aztec Well Servicing Co Inc
12/01/2011	200.00	.50	.00	Inc-MWD	Aztec Well Servicing Co Inc
12/01/2011	300.00	1.00	.00	Inc-MWD	Aztec Well Servicing Co Inc
12/01/2011	400.00	1.00	.00	Inc-MWD	Aztec Well Servicing Co Inc
12/01/2011	500.00	1.00	.00	Inc-WL	Aztec Well Servicing Co Inc
12/01/2011	600.00	1.00	.00	Inc-MWD	Aztec Well Servicing Co Inc
12/01/2011	700.00	1.00	.00	Inc-WL	Aztec Well Servicing Co Inc
12/01/2011	811.00	1.00	.00	Inc-WL	Aztec Well Servicing Co Inc

Description	Date	MD Tie In (ft)	Inclination Tie In (°)	Azimuth Tie In (°)
DIRECTIONAL SURVEY	12/05/2011	.00	.00	.00

Date	MD (ft)	Incl (°)	Azm (°)	Method	Survey Company
12/05/2011	.00	.00	.00	IncAzi-MWD	Scientific Drilling
12/05/2011	912.00	.65	180.02	IncAzi-MWD	Scientific Drilling
12/05/2011	974.00	.64	95.68	IncAzi-MWD	Scientific Drilling
12/05/2011	1,038.00	1.52	88.64	IncAzi-MWD	Scientific Drilling
12/05/2011	1,100.00	2.95	78.33	IncAzi-MWD	Scientific Drilling
12/05/2011	1,164.00	4.42	80.18	IncAzi-MWD	Scientific Drilling
12/05/2011	1,227.00	5.63	84.62	IncAzi-MWD	Scientific Drilling
12/05/2011	1,290.00	6.93	87.42	IncAzi-MWD	Scientific Drilling
12/05/2011	1,352.00	8.37	88.79	IncAzi-MWD	Scientific Drilling
12/06/2011	1,414.00	9.86	86.04	IncAzi-MWD	Scientific Drilling
12/06/2011	1,476.00	11.10	83.43	IncAzi-MWD	Scientific Drilling
12/06/2011	1,539.00	11.91	83.94	IncAzi-MWD	Scientific Drilling
12/06/2011	1,602.00	13.10	84.31	IncAzi-MWD	Scientific Drilling
12/06/2011	1,665.00	14.17	84.82	IncAzi-MWD	Scientific Drilling
12/06/2011	1,727.00	15.12	85.27	IncAzi-MWD	Scientific Drilling
12/06/2011	1,789.00	15.44	83.15	IncAzi-MWD	Scientific Drilling
12/06/2011	1,851.00	16.43	85.01	IncAzi-MWD	Scientific Drilling
12/06/2011	1,913.00	17.35	85.72	IncAzi-MWD	Scientific Drilling
12/06/2011	1,975.00	18.53	85.14	IncAzi-MWD	Scientific Drilling
12/06/2011	2,037.00	19.84	87.35	IncAzi-MWD	Scientific Drilling
12/06/2011	2,100.00	19.98	87.34	IncAzi-MWD	Scientific Drilling

12/06/2011	2,163.00	20.33	86.68	IncAzi-MWD	Scientific Drilling
12/06/2011	2,226.00	20.15	86.46	IncAzi-MWD	Scientific Drilling
12/06/2011	2,289.00	20.22	85.56	IncAzi-MWD	Scientific Drilling
12/06/2011	2,352.00	18.90	85.23	IncAzi-MWD	Scientific Drilling
12/06/2011	2,415.00	19.33	84.24	IncAzi-MWD	Scientific Drilling
12/06/2011	2,478.00	19.26	84.99	IncAzi-MWD	Scientific Drilling
12/06/2011	2,541.00	19.87	87.65	IncAzi-MWD	Scientific Drilling
12/06/2011	2,603.00	20.97	89.01	IncAzi-MWD	Scientific Drilling
12/06/2011	2,665.00	20.81	88.06	IncAzi-MWD	Scientific Drilling
12/06/2011	2,728.00	20.23	88.36	IncAzi-MWD	Scientific Drilling
12/06/2011	2,790.00	20.43	87.02	IncAzi-MWD	Scientific Drilling
12/06/2011	2,853.00	20.29	86.42	IncAzi-MWD	Scientific Drilling
12/06/2011	2,916.00	20.31	85.81	IncAzi-MWD	Scientific Drilling
12/06/2011	2,978.00	20.35	85.23	IncAzi-MWD	Scientific Drilling
12/07/2011	3,041.00	20.84	84.68	IncAzi-MWD	Scientific Drilling
12/07/2011	3,103.00	20.92	86.05	IncAzi-MWD	Scientific Drilling
12/07/2011	3,164.00	21.00	87.05	IncAzi-MWD	Scientific Drilling
12/07/2011	3,224.00	21.21	86.64	IncAzi-MWD	Scientific Drilling
12/07/2011	3,286.00	21.45	87.13	IncAzi-MWD	Scientific Drilling
12/07/2011	3,348.00	20.97	86.53	IncAzi-MWD	Scientific Drilling
12/07/2011	3,410.00	21.33	86.50	IncAzi-MWD	Scientific Drilling
12/07/2011	3,473.00	20.32	85.71	IncAzi-MWD	Scientific Drilling
12/07/2011	3,536.00	20.31	85.71	IncAzi-MWD	Scientific Drilling
12/07/2011	3,599.00	20.78	84.81	IncAzi-MWD	Scientific Drilling
12/07/2011	3,661.00	21.09	84.43	IncAzi-MWD	Scientific Drilling
12/07/2011	3,724.00	20.97	84.23	IncAzi-MWD	Scientific Drilling
12/07/2011	3,788.00	21.12	86.25	IncAzi-MWD	Scientific Drilling
12/07/2011	3,851.00	21.04	85.58	IncAzi-MWD	Scientific Drilling
12/07/2011	3,915.00	21.03	85.33	IncAzi-MWD	Scientific Drilling
12/07/2011	3,978.00	20.36	86.58	IncAzi-MWD	Scientific Drilling
12/08/2011	4,042.00	20.26	87.23	IncAzi-MWD	Scientific Drilling
12/08/2011	4,105.00	20.78	86.19	IncAzi-MWD	Scientific Drilling
12/08/2011	4,168.00	21.09	86.73	IncAzi-MWD	Scientific Drilling
12/08/2011	4,231.00	21.52	86.36	IncAzi-MWD	Scientific Drilling
12/08/2011	4,294.00	20.80	88.69	IncAzi-MWD	Scientific Drilling
12/08/2011	4,356.00	20.92	88.59	IncAzi-MWD	Scientific Drilling
12/08/2011	4,418.00	20.34	89.34	IncAzi-MWD	Scientific Drilling
12/08/2011	4,480.00	20.95	88.09	IncAzi-MWD	Scientific Drilling
12/08/2011	4,543.00	20.27	88.52	IncAzi-MWD	Scientific Drilling
12/08/2011	4,607.00	20.40	88.04	IncAzi-MWD	Scientific Drilling
12/08/2011	4,670.00	20.89	88.22	IncAzi-MWD	Scientific Drilling
12/08/2011	4,733.00	20.48	89.02	IncAzi-MWD	Scientific Drilling
12/12/2011	4,796.00	20.40	88.55	IncAzi-MWD	Scientific Drilling
12/12/2011	4,859.00	20.46	88.38	IncAzi-MWD	Scientific Drilling
12/12/2011	4,922.00	20.12	88.00	IncAzi-MWD	Scientific Drilling
12/12/2011	4,985.00	19.87	88.21	IncAzi-MWD	Scientific Drilling
12/12/2011	5,049.00	19.63	87.68	IncAzi-MWD	Scientific Drilling
12/12/2011	5,112.00	19.31	86.73	IncAzi-MWD	Scientific Drilling

12/12/2011	5,175.00	18.40	87.21	IncAzi-MWD	Scientific Drilling
12/12/2011	5,238.00	18.03	87.38	IncAzi-MWD	Scientific Drilling
12/12/2011	5,301.00	18.60	86.20	IncAzi-MWD	Scientific Drilling
12/12/2011	5,364.00	18.97	86.14	IncAzi-MWD	Scientific Drilling
12/13/2011	5,426.00	19.42	85.76	IncAzi-MWD	Scientific Drilling
12/13/2011	5,475.00	19.46	85.79	IncAzi-MWD	Scientific Drilling
12/17/2011	5,590.00	19.13	84.59	IncAzi-MWD	Scientific Drilling
12/18/2011	5,652.00	18.37	86.61	IncAzi-MWD	Scientific Drilling
12/18/2011	5,714.00	17.46	90.66	IncAzi-MWD	Scientific Drilling
12/18/2011	5,777.00	17.39	89.59	IncAzi-MWD	Scientific Drilling
12/18/2011	5,839.00	15.44	93.22	IncAzi-MWD	Scientific Drilling
12/18/2011	5,871.00	14.77	90.93	IncAzi-MWD	Scientific Drilling
12/19/2011	5,904.00	14.13	92.60	IncAzi-MWD	Scientific Drilling
12/19/2011	5,967.00	17.90	88.32	IncAzi-MWD	Scientific Drilling
12/19/2011	6,031.00	18.65	82.95	IncAzi-MWD	Scientific Drilling
12/19/2011	6,095.00	19.00	80.44	IncAzi-MWD	Scientific Drilling
12/19/2011	6,158.00	18.50	82.35	IncAzi-MWD	Scientific Drilling
12/19/2011	6,221.00	20.03	82.35	IncAzi-MWD	Scientific Drilling
12/19/2011	6,284.00	20.79	83.25	IncAzi-MWD	Scientific Drilling
12/20/2011	6,347.00	21.98	84.65	IncAzi-MWD	Scientific Drilling
12/20/2011	6,410.00	20.54	86.30	IncAzi-MWD	Scientific Drilling
12/20/2011	6,473.00	20.42	81.13	IncAzi-MWD	Scientific Drilling
12/20/2011	6,535.00	19.45	81.37	IncAzi-MWD	Scientific Drilling
12/20/2011	6,598.00	19.22	86.62	IncAzi-MWD	Scientific Drilling
12/20/2011	6,661.00	20.34	86.86	IncAzi-MWD	Scientific Drilling
12/20/2011	6,724.00	20.25	84.13	IncAzi-MWD	Scientific Drilling
12/20/2011	6,787.00	19.06	84.10	IncAzi-MWD	Scientific Drilling
12/20/2011	6,849.00	19.65	89.16	IncAzi-MWD	Scientific Drilling
12/21/2011	6,911.00	19.28	91.77	IncAzi-MWD	Scientific Drilling
12/21/2011	6,972.00	19.23	93.99	IncAzi-MWD	Scientific Drilling
12/21/2011	7,034.00	18.34	94.74	IncAzi-MWD	Scientific Drilling
12/21/2011	7,096.00	17.49	94.17	IncAzi-MWD	Scientific Drilling
12/21/2011	7,160.00	18.05	92.68	IncAzi-MWD	Scientific Drilling
12/22/2011	7,221.00	17.51	96.34	IncAzi-MWD	Scientific Drilling
12/23/2011	7,283.00	15.87	93.43	IncAzi-MWD	Scientific Drilling
12/23/2011	7,347.00	15.36	93.85	IncAzi-MWD	Scientific Drilling
12/23/2011	7,409.00	15.90	92.13	IncAzi-MWD	Scientific Drilling
12/24/2011	7,443.00	15.33	92.93	IncAzi-MWD	Scientific Drilling
12/24/2011	7,473.00	14.48	95.60	IncAzi-MWD	Scientific Drilling
12/25/2011	7,505.00	14.22	89.36	IncAzi-MWD	Scientific Drilling
12/25/2011	7,536.00	15.40	84.25	IncAzi-MWD	Scientific Drilling
12/25/2011	7,568.00	18.10	78.96	IncAzi-MWD	Scientific Drilling
12/25/2011	7,599.00	19.70	77.73	IncAzi-MWD	Scientific Drilling
12/25/2011	7,631.00	19.56	78.75	IncAzi-MWD	Scientific Drilling
12/26/2011	7,663.00	19.62	79.06	IncAzi-MWD	Scientific Drilling
12/26/2011	7,694.00	20.22	77.57	IncAzi-MWD	Scientific Drilling
12/26/2011	7,726.00	21.47	78.13	IncAzi-MWD	Scientific Drilling
12/26/2011	7,757.00	21.61	78.05	IncAzi-MWD	Scientific Drilling

12/26/2011	7,789.00	22.22	79.86	IncAzi-MWD	Scientific Drilling
12/26/2011	7,820.00	21.61	81.15	IncAzi-MWD	Scientific Drilling
12/26/2011	7,851.00	21.08	80.58	IncAzi-MWD	Scientific Drilling
12/26/2011	7,883.00	20.44	80.60	IncAzi-MWD	Scientific Drilling
12/26/2011	7,915.00	20.71	81.31	IncAzi-MWD	Scientific Drilling
12/27/2011	7,946.00	21.02	82.51	IncAzi-MWD	Scientific Drilling
12/27/2011	7,977.00	20.98	82.75	IncAzi-MWD	Scientific Drilling
12/27/2011	8,009.00	20.38	82.68	IncAzi-MWD	Scientific Drilling
12/27/2011	8,040.00	20.11	81.99	IncAzi-MWD	Scientific Drilling
12/27/2011	8,071.00	20.64	81.38	IncAzi-MWD	Scientific Drilling
12/27/2011	8,103.00	21.66	79.68	IncAzi-MWD	Scientific Drilling
12/28/2011	8,134.00	22.36	79.23	IncAzi-MWD	Scientific Drilling
12/28/2011	8,165.00	23.45	79.33	IncAzi-MWD	Scientific Drilling
12/28/2011	8,197.00	23.32	79.80	IncAzi-MWD	Scientific Drilling
12/28/2011	8,228.00	22.79	80.65	IncAzi-MWD	Scientific Drilling
12/28/2011	8,259.00	22.61	80.62	IncAzi-MWD	Scientific Drilling
12/29/2011	8,290.00	22.42	80.65	IncAzi-MWD	Scientific Drilling
12/29/2011	8,321.00	22.26	80.41	IncAzi-MWD	Scientific Drilling
12/29/2011	8,353.00	21.07	81.01	IncAzi-MWD	Scientific Drilling
12/29/2011	8,384.00	20.47	80.91	IncAzi-MWD	Scientific Drilling
12/29/2011	8,416.00	21.36	81.81	IncAzi-MWD	Scientific Drilling
12/29/2011	8,447.00	22.06	83.10	IncAzi-MWD	Scientific Drilling
12/29/2011	8,479.00	23.04	82.96	IncAzi-MWD	Scientific Drilling
12/29/2011	8,510.00	22.30	83.07	IncAzi-MWD	Scientific Drilling
12/29/2011	8,541.00	22.71	83.02	IncAzi-MWD	Scientific Drilling
12/30/2011	8,571.00	22.03	83.08	IncAzi-MWD	Scientific Drilling
12/30/2011	8,602.00	23.13	82.44	IncAzi-MWD	Scientific Drilling
12/30/2011	8,633.00	23.82	82.58	IncAzi-MWD	Scientific Drilling
12/30/2011	8,665.00	23.97	82.99	IncAzi-MWD	Scientific Drilling
12/31/2011	8,697.00	23.57	84.20	IncAzi-MWD	Scientific Drilling
12/31/2011	8,729.00	23.21	85.22	IncAzi-MWD	Scientific Drilling
12/31/2011	8,760.00	22.84	87.18	IncAzi-MWD	Scientific Drilling
12/31/2011	8,791.00	23.57	87.26	IncAzi-MWD	Scientific Drilling
12/31/2011	8,823.00	23.54	87.24	IncAzi-MWD	Scientific Drilling
12/31/2011	8,854.00	22.98	87.49	IncAzi-MWD	Scientific Drilling
12/31/2011	8,886.00	22.53	87.56	IncAzi-MWD	Scientific Drilling
12/31/2011	8,917.00	21.80	88.00	IncAzi-MWD	Scientific Drilling
12/31/2011	8,948.00	21.64	88.05	IncAzi-MWD	Scientific Drilling
12/31/2011	8,980.00	21.39	87.93	IncAzi-MWD	Scientific Drilling
12/31/2011	9,011.00	21.02	88.18	IncAzi-MWD	Scientific Drilling
01/01/2012	9,043.00	20.86	87.58	IncAzi-MWD	Scientific Drilling
01/01/2012	9,074.00	21.92	87.43	IncAzi-MWD	Scientific Drilling
01/01/2012	9,106.00	23.14	87.85	IncAzi-MWD	Scientific Drilling
01/01/2012	9,137.00	23.29	87.62	IncAzi-MWD	Scientific Drilling
01/01/2012	9,169.00	22.80	87.74	IncAzi-MWD	Scientific Drilling
01/01/2012	9,201.00	22.38	87.40	IncAzi-MWD	Scientific Drilling
01/01/2012	9,233.00	22.00	87.42	IncAzi-MWD	Scientific Drilling
01/01/2012	9,264.00	21.54	88.01	IncAzi-MWD	Scientific Drilling

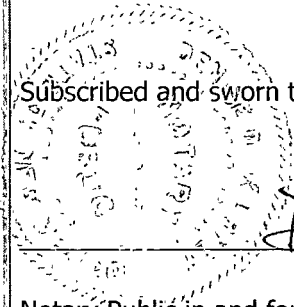
01/01/2012	9,294.00	21.25	88.30	IncAzi-MWD	Scientific Drilling
01/01/2012	9,326.00	20.84	89.00	IncAzi-MWD	Scientific Drilling
01/01/2012	9,357.00	20.10	88.51	IncAzi-MWD	Scientific Drilling
01/01/2012	9,389.00	19.91	88.21	IncAzi-MWD	Scientific Drilling
01/01/2012	9,403.00	19.58	88.29	IncAzi-MWD	Scientific Drilling
01/01/2012	9,452.00	19.58	88.29	Projection	Scientific Drilling

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.

JJ Fierla

Subscribed and sworn to me this

9th Day of April, 2012



Denise D. Journey

Notary Public in and for San Juan County, New Mexico

My Commission expires

May 26, 2015



ConocoPhillips

SJB (NM West)
SEC 23-T32N-R14W
Ute Mountain Ute #107

Original Hole

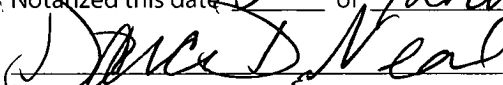
Design: Original Hole

Standard Survey Report

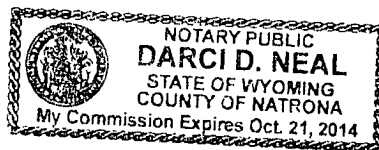
05 January, 2012

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

Notarized this date 5th of January 2012.



Notary Signature
County of Natrona
State of Wyoming



Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Ute Mountain Ute #107
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 6162.0ft (15' DFE + 6147' GL)
Site:	SEC 23-T32N-R14W	MD Reference:	AWS 920 @ 6162.0ft (15' DFE + 6147' GL)
Well:	Ute Mountain Ute #107	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 2003.21 Single User Db

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 23-T32N-R14W

Site Position:		Northing:	2,171,839.93 ft	Latitude:	36° 58' 3.908 N
From:	Lat/Long	Easting:	368,556.72 ft	Longitude:	108° 16' 59.761 W
Position Uncertainty:	15.0 ft	Slot Radius:	8-3/4"	Grid Convergence:	-0.27 °

Well Ute Mountain Ute #107, Desert Creek Slant Well

Well Position	+N/-S	0.0 ft	Northing:	2,171,839.93 ft	Latitude:	36° 58' 3.908 N
	+E/-W	0.0 ft	Easting:	368,556.72 ft	Longitude:	108° 16' 59.761 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,147.0 ft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	2011/11/11	10.09	63.56	50,732

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	86.19

Survey Program Date 2012/01/05

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
912.0	5,475.0	Survey #1 - Surface (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1
5,590.0	9,403.0	Survey #2 - Production (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	
912.0	0.65	180.02	912.0	-5.2	0.0	-0.3	0.07	0.07	0.00	
First SDI MWD Survey										
974.0	0.64	95.68	974.0	-5.6	0.3	0.0	1.40	-0.02	-136.03	
1,038.0	1.52	88.64	1,038.0	-5.6	1.5	1.2	1.39	1.38	-11.00	
1,100.0	2.95	78.33	1,099.9	-5.2	3.9	3.6	2.39	2.31	-16.63	
1,164.0	4.42	80.18	1,163.8	-4.5	8.0	7.7	2.30	2.30	2.89	
1,227.0	5.63	84.62	1,226.5	-3.8	13.4	13.2	2.02	1.92	7.05	
1,290.0	6.93	87.42	1,289.2	-3.3	20.3	20.1	2.12	2.06	4.44	
1,352.0	8.37	88.79	1,350.6	-3.0	28.6	28.3	2.34	2.32	2.21	
1,414.0	9.86	86.04	1,411.8	-2.6	38.4	38.1	2.50	2.40	-4.44	
1,476.0	11.10	83.43	1,472.8	-1.5	49.6	49.4	2.14	2.00	-4.21	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Ute Mountain Ute #107
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 6162.0ft (15' DFE + 6147' GL)
Site:	SEC 23-T32N-R14W	MD Reference:	AWS 920 @ 6162.0ft (15' DFE + 6147' GL)
Well:	Ute Mountain Ute #107	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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)
1,539.0	11.91	83.94	1,534.5	-0.2	62.1	61.9	1.30	1.29	0.81
1,602.0	13.10	84.31	1,596.0	1.2	75.7	75.6	1.89	1.89	0.59
1,665.0	14.17	84.82	1,657.2	2.6	90.4	90.4	1.71	1.70	0.81
1,727.0	15.12	85.27	1,717.2	4.0	106.1	106.1	1.54	1.53	0.73
1,789.0	15.44	83.15	1,777.0	5.6	122.3	122.4	1.04	0.52	-3.42
1,851.0	16.43	85.01	1,836.7	7.4	139.2	139.4	1.80	1.60	3.00
1,913.0	17.35	85.72	1,896.0	8.8	157.2	157.4	1.52	1.48	1.15
1,975.0	18.53	85.14	1,955.0	10.4	176.2	176.5	1.92	1.90	-0.94
2,037.0	19.84	87.35	2,013.5	11.7	196.6	196.9	2.42	2.11	3.56
2,100.0	19.98	87.34	2,072.8	12.7	218.0	218.4	0.22	0.22	-0.02
2,163.0	20.33	86.68	2,131.9	13.8	239.7	240.1	0.66	0.56	-1.05
2,226.0	20.15	86.46	2,191.0	15.1	261.4	261.9	0.31	-0.29	-0.35
2,289.0	20.22	85.56	2,250.1	16.6	283.1	283.6	0.51	0.11	-1.43
2,352.0	18.90	85.23	2,309.5	18.3	304.1	304.7	2.10	-2.10	-0.52
2,415.0	19.33	84.24	2,369.0	20.2	324.7	325.3	0.85	0.68	-1.57
2,478.0	19.26	84.99	2,428.5	22.2	345.4	346.1	0.41	-0.11	1.19
2,541.0	19.87	87.65	2,487.9	23.5	366.4	367.2	1.71	0.97	4.22
2,603.0	20.97	89.01	2,546.0	24.1	388.1	388.8	1.93	1.77	2.19
2,665.0	20.81	88.06	2,603.9	24.7	410.2	410.9	0.60	-0.26	-1.53
2,728.0	20.23	88.36	2,662.9	25.4	432.2	433.0	0.94	-0.92	0.48
2,790.0	20.43	87.02	2,721.0	26.3	453.8	454.5	0.82	0.32	-2.16
2,853.0	20.29	86.42	2,780.1	27.5	475.6	476.4	0.40	-0.22	-0.95
2,916.0	20.31	85.81	2,839.2	29.0	497.5	498.3	0.34	0.03	-0.97
2,978.0	20.35	85.23	2,897.3	30.7	518.9	519.8	0.33	0.06	-0.94
3,041.0	20.84	84.68	2,956.3	32.6	541.0	542.0	0.84	0.78	-0.87
3,103.0	20.92	86.05	3,014.2	34.4	563.0	564.1	0.80	0.13	2.21
3,164.0	21.00	87.05	3,071.2	35.7	584.8	585.9	0.60	0.13	1.64
3,224.0	21.21	86.64	3,127.2	36.9	606.4	607.5	0.43	0.35	-0.68
3,286.0	21.45	87.13	3,184.9	38.1	628.9	630.0	0.48	0.39	0.79
3,348.0	20.97	86.53	3,242.7	39.4	651.3	652.5	0.85	-0.77	-0.97
3,410.0	21.33	86.50	3,300.5	40.7	673.6	674.8	0.58	0.58	-0.05
3,473.0	20.32	85.71	3,359.4	42.3	696.0	697.2	1.66	-1.60	-1.25
3,536.0	20.31	85.71	3,418.5	43.9	717.8	719.1	0.02	-0.02	0.00
3,599.0	20.78	84.81	3,477.5	45.7	739.8	741.2	0.90	0.75	-1.43
3,661.0	21.09	84.43	3,535.4	47.8	761.9	763.4	0.55	0.50	-0.61
3,724.0	20.97	84.23	3,594.2	50.0	784.4	786.0	0.22	-0.19	-0.32
3,788.0	21.12	86.25	3,653.9	51.9	807.3	808.9	1.16	0.23	3.16
3,851.0	21.04	85.58	3,712.7	53.6	829.9	831.6	0.40	-0.13	-1.06
3,915.0	21.03	85.33	3,772.5	55.4	852.8	854.6	0.14	-0.02	-0.39
3,978.0	20.36	86.58	3,831.4	57.0	875.0	876.8	1.27	-1.06	1.98
4,042.0	20.26	87.23	3,891.4	58.2	897.2	899.0	0.39	-0.16	1.02
4,105.0	20.78	86.19	3,950.4	59.4	919.2	921.1	1.01	0.83	-1.65
4,168.0	21.09	86.73	4,009.3	60.8	941.7	943.6	0.58	0.49	0.86
4,231.0	21.52	86.36	4,067.9	62.2	964.5	966.5	0.72	0.68	-0.59
4,294.0	20.80	88.69	4,126.7	63.2	987.2	989.2	1.76	-1.14	3.70
4,356.0	20.92	88.59	4,184.6	63.7	1,009.3	1,011.3	0.20	0.19	-0.16
4,418.0	20.34	89.34	4,242.7	64.1	1,031.1	1,033.1	1.03	-0.94	1.21
4,480.0	20.95	88.09	4,300.7	64.6	1,053.0	1,055.0	1.21	0.98	-2.02
4,543.0	20.27	88.52	4,359.6	65.3	1,075.2	1,077.1	1.11	-1.08	0.68
4,607.0	20.40	88.04	4,419.7	65.9	1,097.4	1,099.3	0.33	0.20	-0.75
4,670.0	20.89	88.22	4,478.6	66.6	1,119.6	1,121.5	0.78	0.78	0.29
4,733.0	20.48	89.02	4,537.6	67.2	1,141.8	1,143.8	0.79	-0.65	1.27
4,796.0	20.40	88.55	4,596.6	67.6	1,163.8	1,165.8	0.29	-0.13	-0.75
4,859.0	20.46	88.38	4,655.6	68.2	1,185.8	1,187.7	0.13	0.10	-0.27

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Ute Mountain Ute #107
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 6162.0ft (15' DFE + 6147' GL)
Site:	SEC 23-T32N-R14W	MD Reference:	AWS 920 @ 6162.0ft (15' DFE + 6147' GL)
Well:	Ute Mountain Ute #107	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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)	
4,922.0	20.12	88.00	4,714.7	68.9	1,207.7	1,209.6	0.58	-0.54	-0.60	
4,985.0	19.87	88.21	4,773.9	69.6	1,229.2	1,231.1	0.41	-0.40	0.33	
5,049.0	19.63	87.68	4,834.2	70.4	1,250.8	1,252.7	0.47	-0.38	-0.83	
5,112.0	19.31	86.73	4,893.5	71.4	1,271.8	1,273.7	0.71	-0.51	-1.51	
5,175.0	18.40	87.21	4,953.2	72.5	1,292.1	1,294.1	1.47	-1.44	0.76	
5,238.0	18.03	87.38	5,013.0	73.4	1,311.8	1,313.8	0.59	-0.59	0.27	
5,301.0	18.60	86.20	5,072.8	74.6	1,331.5	1,333.5	1.08	0.90	-1.87	
5,364.0	18.97	86.14	5,132.5	75.9	1,351.8	1,353.8	0.59	0.59	-0.10	
5,426.0	19.42	85.76	5,191.0	77.4	1,372.1	1,374.2	0.75	0.73	-0.61	
5,475.0	19.46	85.79	5,237.2	78.6	1,388.4	1,390.5	0.08	0.08	0.06	
Last Survey in 11" Hole										
5,590.0	19.13	84.59	5,345.8	81.7	1,426.2	1,428.5	0.45	-0.29	-1.04	
First Survey in 7 7/8" Hole										
5,652.0	18.37	86.61	5,404.5	83.3	1,446.1	1,448.4	1.61	-1.23	3.26	
5,714.0	17.46	90.66	5,463.5	83.7	1,465.2	1,467.5	2.49	-1.47	6.53	
5,777.0	17.39	89.59	5,523.6	83.7	1,484.0	1,486.3	0.52	-0.11	-1.70	
5,839.0	15.44	93.22	5,583.0	83.3	1,501.5	1,503.7	3.55	-3.15	5.85	
5,871.0	14.77	90.93	5,613.9	83.0	1,509.9	1,512.0	2.80	-2.09	-7.16	
5,904.0	14.13	92.60	5,645.9	82.7	1,518.1	1,520.2	2.31	-1.94	5.06	
5,967.0	17.90	88.32	5,706.4	82.7	1,535.5	1,537.6	6.27	5.98	-6.79	
6,031.0	18.65	82.95	5,767.2	84.2	1,555.4	1,557.6	2.88	1.17	-8.39	
6,095.0	19.00	80.44	5,827.8	87.2	1,575.9	1,578.2	1.38	0.55	-3.92	
6,158.0	18.50	82.35	5,887.5	90.2	1,595.9	1,598.4	1.26	-0.79	3.03	
6,221.0	20.03	82.35	5,946.9	93.0	1,616.5	1,619.1	2.43	2.43	0.00	
6,284.0	20.79	83.25	6,006.0	95.8	1,638.3	1,641.0	1.31	1.21	1.43	
6,347.0	21.98	84.65	6,064.6	98.2	1,661.1	1,664.0	2.06	1.89	2.22	
6,410.0	20.54	86.30	6,123.3	100.0	1,683.9	1,686.8	2.47	-2.29	2.62	
6,473.0	20.42	81.13	6,182.4	102.4	1,705.8	1,708.8	2.88	-0.19	-8.21	
6,535.0	19.45	81.37	6,240.7	105.6	1,726.7	1,729.9	1.57	-1.56	0.39	
6,598.0	19.22	86.62	6,300.1	107.8	1,747.4	1,750.7	2.78	-0.37	8.33	
6,661.0	20.34	86.86	6,359.4	109.0	1,768.7	1,772.0	1.78	1.78	0.38	
6,724.0	20.25	84.13	6,418.5	110.7	1,790.5	1,793.9	1.51	-0.14	-4.33	
6,787.0	19.06	84.10	6,477.8	112.9	1,811.6	1,815.1	1.89	-1.89	-0.05	
6,849.0	19.65	89.16	6,536.3	114.1	1,832.0	1,835.6	2.87	0.95	8.16	
6,911.0	19.28	91.77	6,594.8	113.9	1,852.7	1,856.2	1.52	-0.60	4.21	
6,972.0	19.23	93.99	6,652.3	112.9	1,872.8	1,876.2	1.20	-0.08	3.64	
7,034.0	18.34	94.74	6,711.0	111.4	1,892.7	1,895.9	1.49	-1.44	1.21	
7,096.0	17.49	94.17	6,770.0	109.9	1,911.7	1,914.8	1.40	-1.37	-0.92	
7,160.0	18.05	92.68	6,831.0	108.8	1,931.2	1,934.2	1.13	0.88	-2.33	
7,221.0	17.51	96.34	6,889.1	107.3	1,949.8	1,952.6	2.03	-0.89	6.00	
7,283.0	15.87	93.43	6,948.5	105.8	1,967.5	1,970.2	2.97	-2.65	-4.69	
7,347.0	15.36	93.85	7,010.1	104.7	1,984.7	1,987.3	0.82	-0.80	0.66	
7,410.0	15.90	92.13	7,070.8	103.8	2,001.6	2,004.1	1.13	0.86	-2.73	
7,443.0	15.33	92.93	7,102.6	103.4	2,010.5	2,012.9	1.85	-1.73	2.42	
7,473.0	14.48	95.60	7,131.5	102.8	2,018.2	2,020.6	3.64	-2.83	8.90	
7,505.0	14.22	89.36	7,162.5	102.5	2,026.1	2,028.5	4.90	-0.81	-19.50	
7,536.0	15.40	84.25	7,192.5	102.9	2,034.0	2,036.4	5.67	3.81	-16.48	
7,568.0	18.10	78.96	7,223.2	104.3	2,043.1	2,045.6	9.68	8.44	-16.53	
7,599.0	19.70	77.73	7,252.5	106.3	2,053.0	2,055.5	5.32	5.16	-3.97	
7,631.0	19.56	78.75	7,282.6	108.5	2,063.5	2,066.1	1.16	-0.44	3.19	
7,663.0	19.62	79.06	7,312.8	110.6	2,074.0	2,076.8	0.38	0.19	0.97	
7,694.0	20.22	77.57	7,341.9	112.7	2,084.4	2,087.2	2.54	1.94	-4.81	
7,726.0	21.47	78.13	7,371.8	115.1	2,095.5	2,098.5	3.96	3.91	1.75	
7,757.0	21.61	78.05	7,400.7	117.5	2,106.6	2,109.8	0.46	0.45	-0.26	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Ute Mountain Ute #107
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 6162.0ft (15' DFE + 6147' GL)
Site:	SEC 23-T32N-R14W	MD Reference:	AWS 920 @ 6162.0ft (15' DFE + 6147' GL)
Well:	Ute Mountain Ute #107	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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)
7,789.0	22.22	79.86	7,430.3	119.8	2,118.4	2,121.6	2.84	1.91	5.66
7,820.0	21.61	81.15	7,459.1	121.7	2,129.8	2,133.1	2.51	-1.97	4.16
7,851.0	21.08	80.58	7,488.0	123.5	2,140.9	2,144.4	1.84	-1.71	-1.84
7,883.0	20.44	80.60	7,517.9	125.3	2,152.1	2,155.7	2.00	-2.00	0.06
7,915.0	20.71	81.31	7,547.9	127.1	2,163.2	2,166.9	1.15	0.84	2.22
7,946.0	21.02	82.51	7,576.8	128.7	2,174.1	2,177.9	1.70	1.00	3.87
7,977.0	20.98	82.75	7,605.8	130.1	2,185.1	2,189.0	0.31	-0.13	0.77
8,009.0	20.38	82.68	7,635.7	131.5	2,196.4	2,200.2	1.88	-1.88	-0.22
8,040.0	20.11	81.99	7,664.8	132.9	2,207.0	2,210.9	1.16	-0.87	-2.23
8,071.0	20.64	81.38	7,693.9	134.5	2,217.7	2,221.7	1.84	1.71	-1.97
8,103.0	21.66	79.68	7,723.7	136.4	2,229.1	2,233.2	3.72	3.19	-5.31
8,134.0	22.36	79.23	7,752.4	138.5	2,240.5	2,244.7	2.32	2.26	-1.45
8,165.0	23.45	79.33	7,781.0	140.8	2,252.3	2,256.7	3.52	3.52	0.32
8,197.0	23.32	79.80	7,810.4	143.1	2,264.8	2,269.3	0.71	-0.41	1.47
8,228.0	22.79	80.65	7,838.9	145.1	2,276.8	2,281.4	2.02	-1.71	2.74
8,259.0	22.61	80.62	7,867.5	147.1	2,288.6	2,293.3	0.58	-0.58	-0.10
8,290.0	22.42	80.65	7,896.1	149.0	2,300.3	2,305.1	0.61	-0.61	0.10
8,321.0	22.26	80.41	7,924.8	151.0	2,311.9	2,316.8	0.59	-0.52	-0.77
8,353.0	21.07	81.01	7,954.5	152.9	2,323.6	2,328.6	3.78	-3.72	1.88
8,384.0	20.47	80.91	7,983.5	154.6	2,334.4	2,339.5	1.94	-1.94	-0.32
8,416.0	21.36	81.81	8,013.4	156.3	2,345.7	2,350.9	2.96	2.78	2.81
8,447.0	22.06	83.10	8,042.2	157.8	2,357.1	2,362.4	2.73	2.26	4.16
8,479.0	23.04	82.96	8,071.8	159.3	2,369.3	2,374.6	3.07	3.06	-0.44
8,510.0	22.30	83.07	8,100.4	160.8	2,381.1	2,386.6	2.39	-2.39	0.35
8,541.0	22.71	83.02	8,129.0	162.2	2,392.9	2,398.4	1.32	1.32	-0.16
8,571.0	22.03	83.08	8,156.8	163.6	2,404.2	2,409.8	2.27	-2.27	0.20
8,602.0	23.13	82.44	8,185.4	165.1	2,416.1	2,421.7	3.64	3.55	-2.06
8,633.0	23.82	82.58	8,213.8	166.7	2,428.3	2,434.0	2.23	2.23	0.45
8,665.0	23.97	82.99	8,243.1	168.3	2,441.2	2,446.9	0.70	0.47	1.28
8,697.0	23.57	84.20	8,272.4	169.7	2,454.0	2,459.8	1.97	-1.25	3.78
8,729.0	23.21	85.22	8,301.7	170.9	2,466.6	2,472.5	1.69	-1.13	3.19
8,760.0	22.84	87.18	8,330.3	171.7	2,478.7	2,484.7	2.75	-1.19	6.32
8,791.0	23.57	87.26	8,358.7	172.3	2,490.9	2,496.9	2.36	2.35	0.26
8,823.0	23.54	87.24	8,388.1	172.9	2,503.7	2,509.7	0.10	-0.09	-0.06
8,854.0	22.98	87.49	8,416.6	173.5	2,515.9	2,521.9	1.83	-1.81	0.81
8,886.0	22.53	87.56	8,446.1	174.0	2,528.3	2,534.3	1.41	-1.41	0.22
8,917.0	21.80	88.00	8,474.8	174.5	2,540.0	2,546.0	2.41	-2.35	1.42
8,947.0	21.64	88.05	8,502.6	174.9	2,551.1	2,557.1	0.54	-0.53	0.17
8,980.0	21.39	87.93	8,533.3	175.3	2,563.2	2,569.2	0.77	-0.76	-0.36
9,011.0	21.02	88.18	8,562.2	175.7	2,574.4	2,580.4	1.23	-1.19	0.81
9,043.0	20.86	87.58	8,592.1	176.1	2,585.8	2,591.8	0.84	-0.50	-1.88
9,074.0	21.92	87.43	8,621.0	176.6	2,597.1	2,603.1	3.42	3.42	-0.48
9,106.0	23.14	87.85	8,650.6	177.1	2,609.3	2,615.3	3.85	3.81	1.31
9,137.0	23.29	87.62	8,679.0	177.6	2,621.6	2,627.6	0.57	0.48	-0.74
9,169.0	22.80	87.74	8,708.5	178.1	2,634.1	2,640.1	1.54	-1.53	0.38
9,201.0	22.38	87.40	8,738.0	178.6	2,646.4	2,652.4	1.37	-1.31	-1.06
9,233.0	22.00	87.42	8,767.7	179.1	2,658.4	2,664.5	1.19	-1.19	0.06
9,264.0	21.54	88.01	8,796.5	179.6	2,669.9	2,676.0	1.64	-1.48	1.90
9,294.0	21.25	88.30	8,824.4	180.0	2,680.9	2,686.9	1.03	-0.97	0.97
9,326.0	20.84	89.00	8,854.3	180.2	2,692.3	2,698.4	1.50	-1.28	2.19
9,357.0	20.10	88.51	8,883.3	180.5	2,703.2	2,709.2	2.45	-2.39	-1.58
9,389.0	19.91	88.21	8,913.4	180.8	2,714.1	2,720.1	0.67	-0.59	-0.94
9,403.0	19.58	88.29	8,926.5	180.9	2,718.9	2,724.9	2.37	-2.36	0.57

Last SDI MWD Survey

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Ute Mountain Ute #107
Project:	SJB (NM West)	TVD Reference:	AWS 920 @ 6162.0ft (15' DFE + 6147' GL)
Site:	SEC 23-T32N-R14W	MD Reference:	AWS 920 @ 6162 0ft (15' DFE + 6147' GL)
Well:	Ute Mountain Ute #107	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 2003.21 Single User Db

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/S (ft)	+E/W (ft)		
912.0	912.0	-5.2	0.0	First SDI MWD Survey	
5,475.0	5,237.2	78.6	1,388.4	Last Survey in 11" Hole	
5,590.0	5,345.8	81.7	1,426.2	First Survey in 7 7/8" Hole	
9,403.0	8,926.5	180.9	2,718.9	Last SDI MWD Survey	

Checked By: _____ Approved By: _____ Date: _____