

RECEIVED

JUL 20 2012

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Hobbs, NM 88240

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 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-40502	² Pool Code 3713	³ Pool Name Bone Spring
⁴ Property Code 302209	⁵ Property Name BURTON FLAT DEEP UNIT	⁶ Well Number 53H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3214.4

¹⁰ Surface Location

U.L. or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	2	21 S	27 E		1570	SOUTH	50	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

U.L. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	2	21 S	27 E		1980	SOUTH	330	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
160			

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.

BURTON FLAT DEEP UNIT #53H
ELEV = 3214.4
LAT = 32 50 53.1 N (NAD83)
LONG = 104 15 57.7 W
NMSF EAST (FT)
N = 547973.2
E = 592065.49

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

Patti Riechers 7/9/2012
Signature Date

Printed Name

Patti Riechers, Operations Technician

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.

JUNE 1 2012
Date of Survey

David J. Aramillo
Signature and Seal of Professional Surveyor

Certificate Number: 11490 JARAMILLO PLS 12797
SURVEY NO 1057

EL. 3212.6' 600' EL. 3215.1'

SEC. 2
SEC. 3

350' PAD PROPOSED PAD

150' NORTH
OFFSET
EL. 3216.8'

391.4' PAD

470' PAD

BURTON FLAT DEEP UNIT #53H
ELEV. = 3214.4'

150' WEST
OFFSET
EL. 3215.4'

150' EAST
OFFSET
EL. 3215.7'

LAT. = 32.5063313°N (NAD83)
LONG. = 104.1687777°W
NMSP EAST (FT)

**BURTON FLAT DEEP
UNIT #57H**

N = 547973.23
E = 592065.49

150' SOUTH
OFFSET
EL. 3215.2'

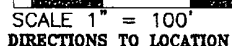
PROPOSED PAD 273' PAD

110' PAD

2-TRACK RD.
BPL

400.5 LF
ACCESS RD.

EL. 3216.0' 600' EL. 3217.9'



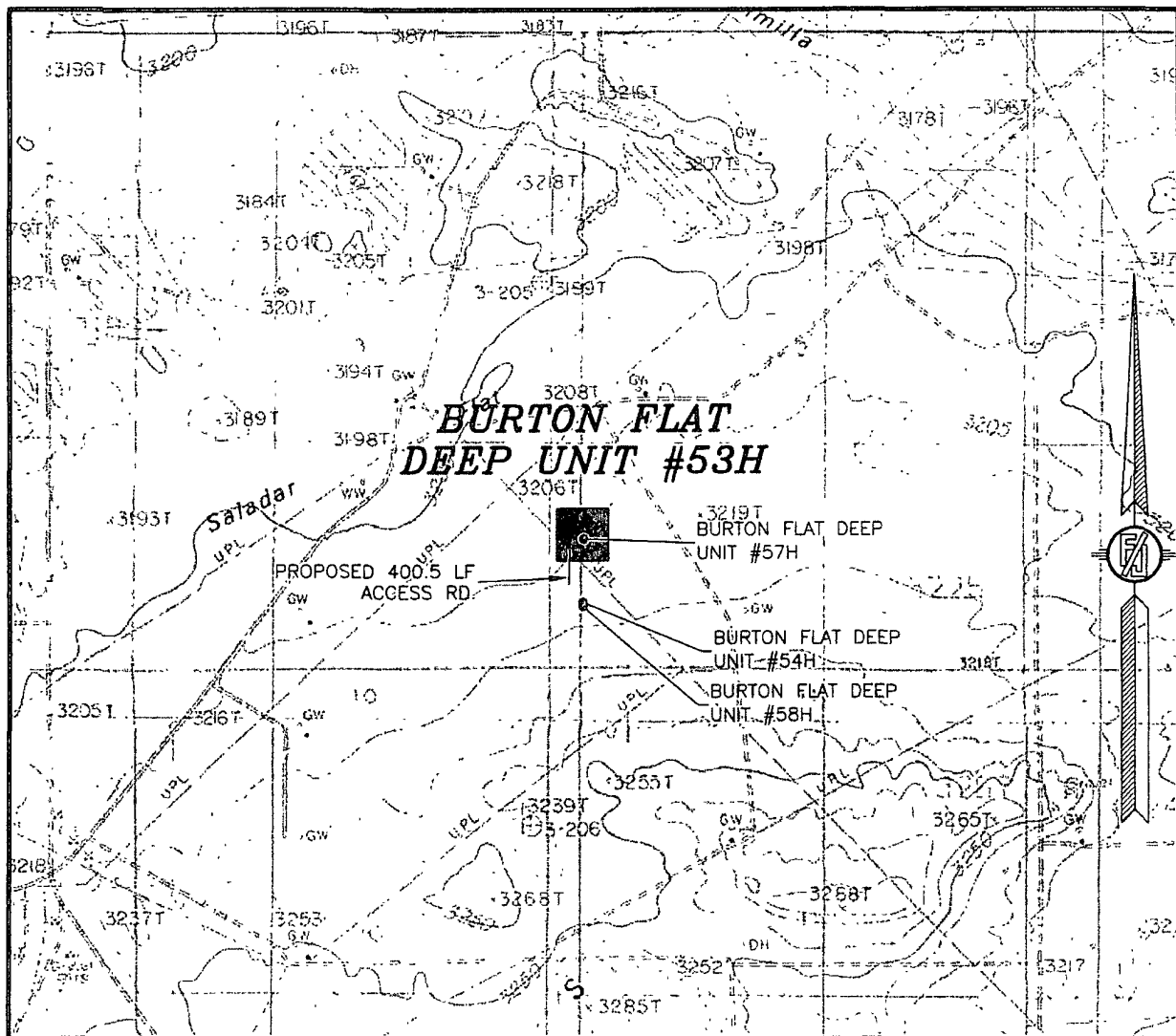
FROM THE INTERSECTION OF CR 206 (ILLINOIS CAMP ROAD) AND CR 600 (RAINS ROAD) GO EAST ON CR 600 2.25 MILES TO CALICHE ROAD INTERSECTION PAST RAMBO BOOSTER STA. PAST CATTLE GUARD, GO EAST ON CALICHE ROAD, ROAD BENDS NORTHEAST, GO 1.25 MILES TO FORK IN ROAD TAKE RIGHT, GO EAST 0.45 MILES TO CALICHE ROAD ON RIGHT, GO SOUTHEAST 0.55 MILES TO ROAD INTERSECTION, TURN RIGHT ON CALICHE LEASE ROAD TOWARDS BURTON FLAT DEEP UNIT 43, GO WEST 0.35 MILES SITE IS ABOUT 1017 FT (0.2 MILES) NORTH ON RIGHT.

JUNE 1, 2012

SURVEY NO. 1057

MADRON SURVEYING, INC. 301 SOUTH CANAL
(575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
ANGEL DRAW, NM

NOT TO SCALE

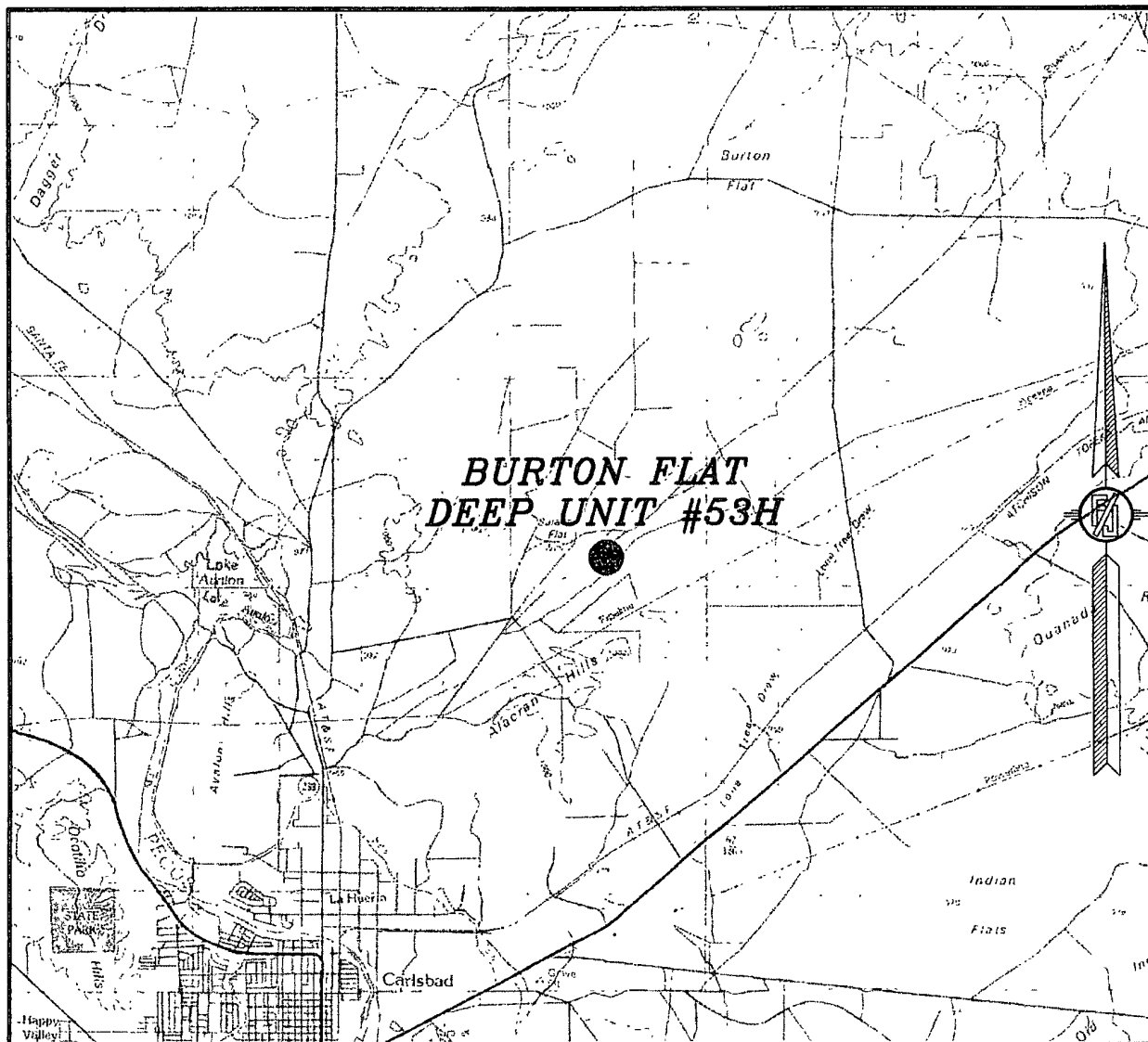
DEVON ENERGY PRODUCTION COMPANY, L.P.
BURTON FLAT DEEP UNIT #53H
LOCATED 1570 FT. FROM THE SOUTH LINE
AND 50 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 21 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JUNE 1, 2012

SURVEY NO. 1057

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

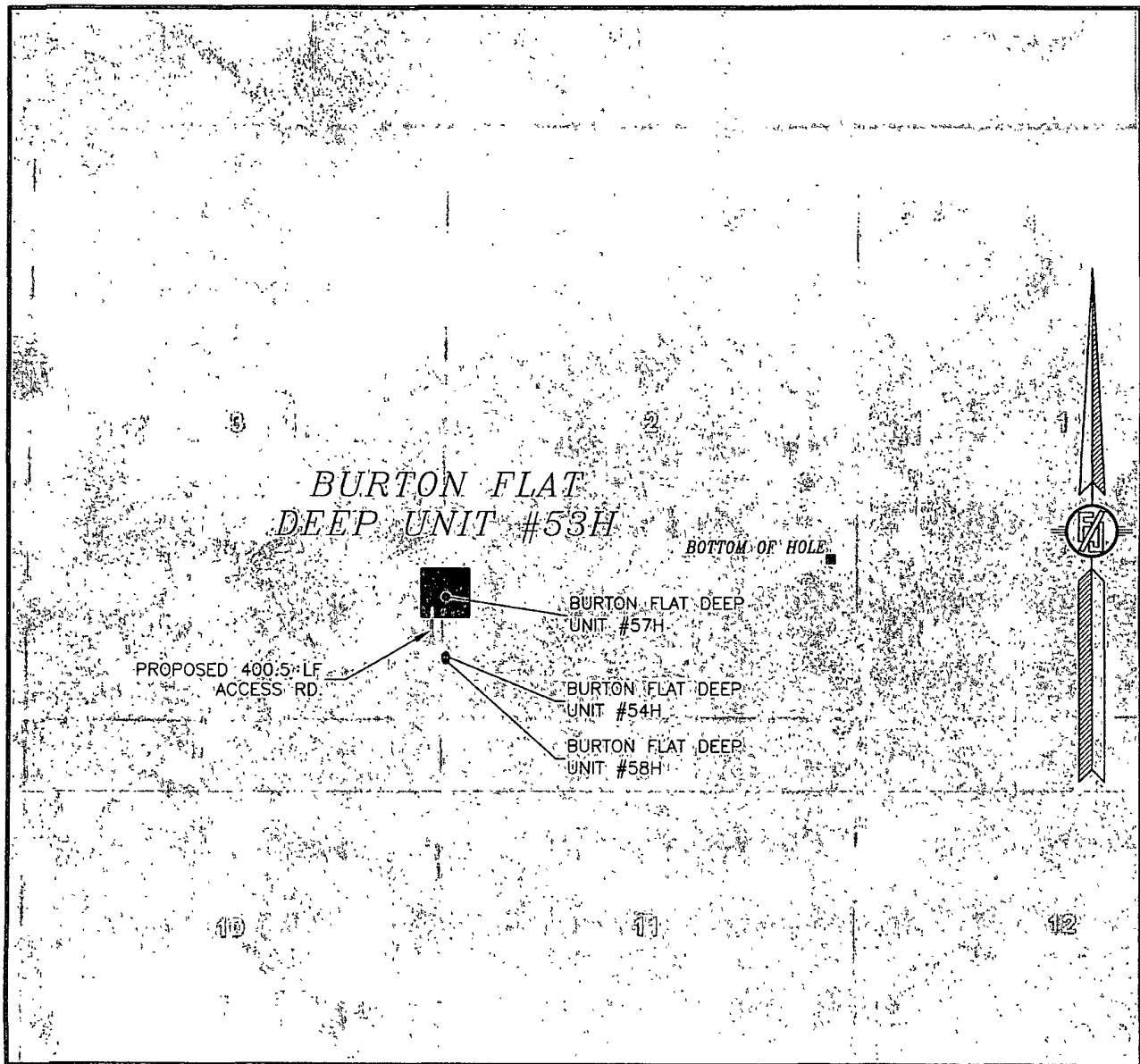
DEVON ENERGY PRODUCTION COMPANY, L.P.
BURTON FLAT DEEP UNIT #53H
LOCATED 1570 FT. FROM THE SOUTH LINE
AND 50 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 21 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JUNE 1, 2012

SURVEY NO. 1057

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



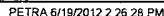
NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
JUNE, 2011

DEVON ENERGY PRODUCTION COMPANY, L.P.
BURTON FLAT DEEP UNIT #53H
LOCATED 1570 FT. FROM THE SOUTH LINE
AND 50 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 21 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JUNE 1, 2012

SURVEY NO. 1057

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341



Devon Energy Corporation

HALLIBURTON | Sperry Drilling

Project: Eddy County, NM (NAD 83)
Site: Burton Flat Deep Unit
Well: Burton Flat Deep Unit 53H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: TBD



SURFACE LOCATION

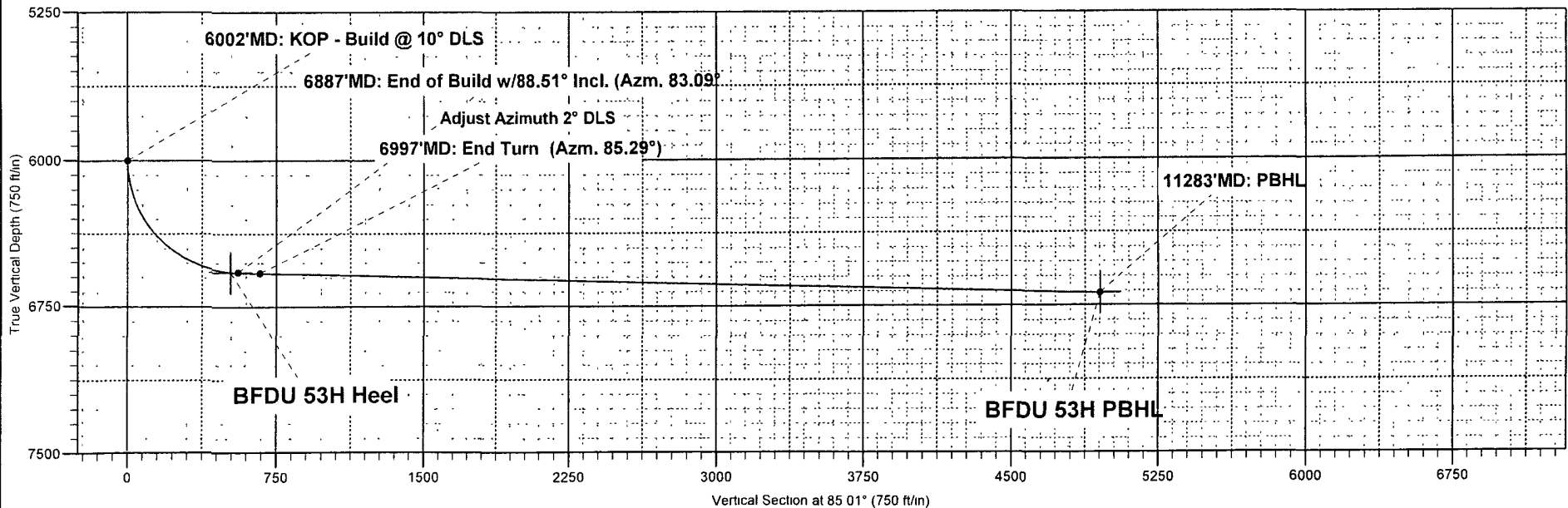
US State Plane 1983
New Mexico Eastern Zone
Elevation: GL3214 4 +25'KB @ 3239.40ft (TBD)
Northing: 547973.23 Easting: 592065.49 Latitude: 32° 30' 22.793 N Longitude: 104° 10' 7.600 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BFDU 53H Heel	6575.00	62.48	515.61	548035.71	592581.10	Point
BFDU 53H PBHL	6689.00	430.37	4933.43	548403.60	596998.92	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6002.24	0.00	0.00	6002.24	0.00	0.00	0.00	0.00	0.00	6002'MD KOP - Build @ 10° DLS
6887.34	88.51	83.09	6575.00	67.14	554.01	10.00	83.09	557.74	6887'MD End of Build w/88.51° Incl (Az. 83.09°)
6997.11	88.51	85.29	6577.85	78.25	663.17	2.00	89.92	667.46	6997'MD End Turn (Az. 85.29°)
11283.31	88.51	85.29	6689.00	430.37	4933.43	0.00	0.00	4952.17	11283'MD PBHL



Date: 14 11, June 20 2012

Devon Energy Corporation

HALLIBURTON | Sperry Drilling

Project: Eddy County, NM (NAD 83)
Site: Burton Flat Deep Unit
Well: Burton Flat Deep Unit 53H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: TBD



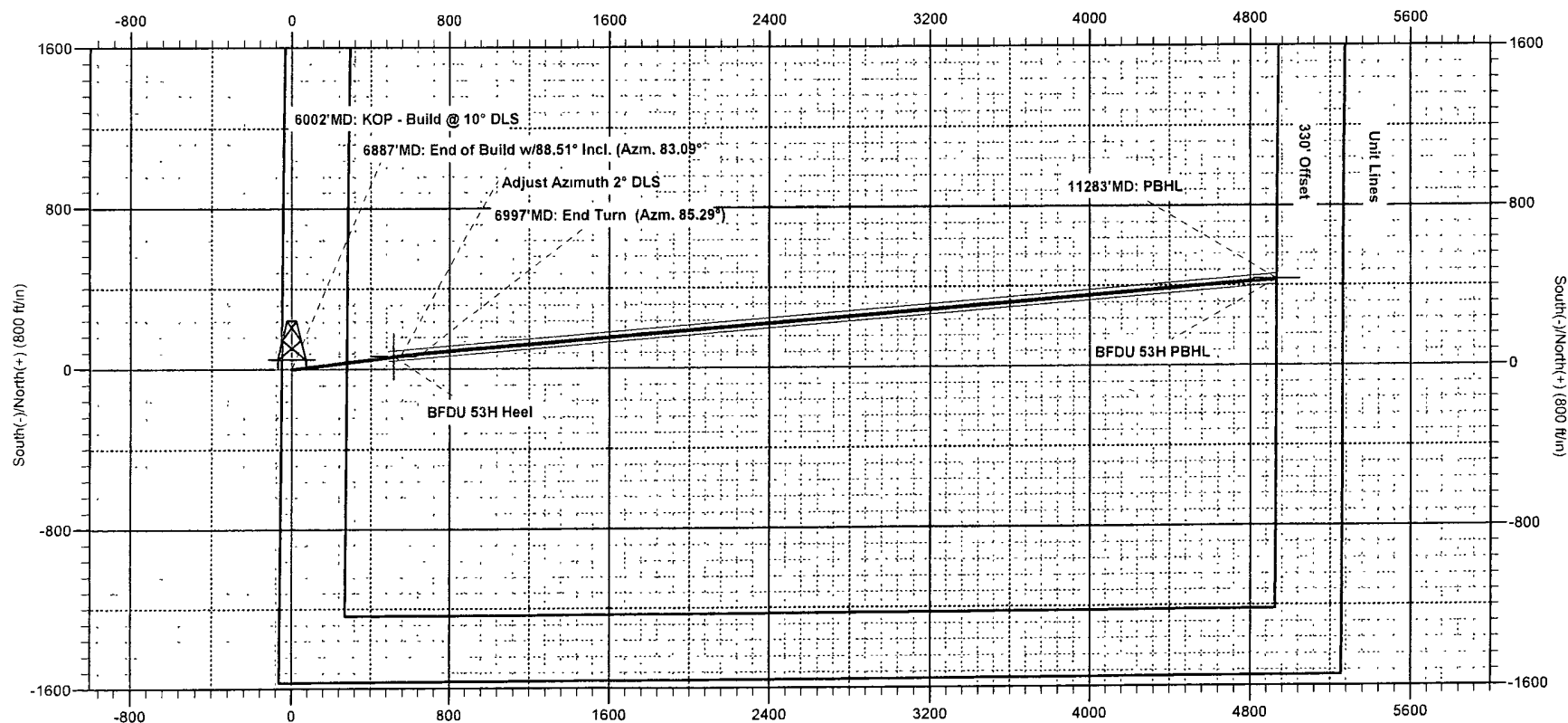
To convert a Magnetic Direction to a Grid Direction, Add 7.77°

Magnetic Model BGGM2012 Date 20-Jun-12
 Azimuths to Grid North



SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation GL3214.4 +25'KB @ 3239.40ft (TBD)
 Northing 547973.23 Easting 592065.49 Latitude 32° 30' 22.793 N Longitude 104° 10' 7.600 W



Devon Energy Corporation

Eddy County, NM (NAD 83)

Burton Flat Deep Unit

Burton Flat Deep Unit 53H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

20 June, 2012

Well Coordinates 547,973.23 N, 592,065.49 E (32° 30' 22.79" N, 104° 10' 07.60" W)

Ground Level 3,214.40 ft

Local Coordinate Origin

Centered on Well Burton Flat Deep Unit 53H

Viewing Datum

GL3214.4 +25'KB @ 3239.40ft (TBD)

TVDs to System.

N

North Reference

Grid

Unit System

API - US Survey Feet

Version 2003.16 Build 431

HALLIBURTON

Plan Report for Burton Flat Deep Unit 53H - Plan #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)	Toolface Azimuth (°)
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
100 00	0 00	0 00	100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
200 00	0 00	0 00	200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
300 00	0 00	0 00	300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
400 00	0 00	0 00	400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
500 00	0 00	0 00	500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
600 00	0 00	0 00	600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
700 00	0 00	0 00	700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
800 00	0 00	0 00	800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
900 00	0 00	0 00	900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,000 00	0 00	0 00	1,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,100 00	0 00	0 00	1,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,200 00	0 00	0 00	1,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,300 00	0 00	0 00	1,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,400 00	0 00	0 00	1,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,500 00	0 00	0 00	1,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,600 00	0 00	0 00	1,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,700 00	0 00	0 00	1,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,800 00	0 00	0 00	1,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
1,900 00	0 00	0 00	1,900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,000 00	0 00	0 00	2,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,100 00	0 00	0 00	2,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,200 00	0 00	0 00	2,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,300 00	0 00	0 00	2,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,400 00	0 00	0 00	2,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,500 00	0 00	0 00	2,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,600 00	0 00	0 00	2,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,700 00	0 00	0 00	2,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,800 00	0 00	0 00	2,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2,900 00	0 00	0 00	2,900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,000 00	0 00	0 00	3,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,100 00	0 00	0 00	3,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,200 00	0 00	0 00	3,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,300 00	0 00	0 00	3,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,400 00	0 00	0 00	3,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,500 00	0 00	0 00	3,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,600 00	0 00	0 00	3,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,700 00	0 00	0 00	3,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,800 00	0 00	0 00	3,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
3,900 00	0 00	0 00	3,900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,000 00	0 00	0 00	4,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,100 00	0 00	0 00	4,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,200 00	0 00	0 00	4,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,300 00	0 00	0 00	4,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,400 00	0 00	0 00	4,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,500 00	0 00	0 00	4,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,600 00	0 00	0 00	4,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,700 00	0 00	0 00	4,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,800 00	0 00	0 00	4,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
4,900 00	0 00	0 00	4,900 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,000 00	0 00	0 00	5,000 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,100 00	0 00	0 00	5,100 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,200 00	0 00	0 00	5,200 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,300 00	0 00	0 00	5,300 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,400 00	0 00	0 00	5,400 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,500 00	0 00	0 00	5,500 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,600 00	0 00	0 00	5,600 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,700 00	0 00	0 00	5,700 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
5,800 00	0 00	0 00	5,800 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00

Plan Report for Burton Flat Deep Unit 53H - Plan #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)	Toolface Azimuth (°)
5,900.00	0 00	0 00	5,900.00	0.00	0.00	0 00	0 00	0 00	0.00	0 00
6,000 00	0 00	0 00	6,000 00	0 00	0 00	0.00	0.00	0.00	0 00	0 00
6,002 24	0 00	0 00	6,002.24	0.00	0 00	0 00	0 00	0 00	0 00	0 00
6002'MD: KOP - Build @ 10° DLS										
6,100.00	9.78	83 09	6,099 53	1 00	8 26	8 32	10.00	10 00	0 00	83 09
6,200 00	19 78	83.09	6,196 10	4 07	33.55	33.77	10.00	10 00	0 00	0 00
6,300 00	29 78	83 09	6,286.78	9 10	75 10	75 60	10 00	10 00	0.00	0.00
6,400.00	39 78	83.09	6,368 81	15 95	131 65	132 54	10 00	10 00	0 00	0 00
6,500 00	49.78	83 09	6,439 71	24 42	201 48	202 84	10.00	10 00	0.00	0.00
6,600 00	59.78	83 09	6,497.31	34 23	282.47	284.38	10 00	10 00	0 00	0 00
6,700.00	69 78	83 09	6,539 87	45 10	372 17	374 68	10 00	10.00	0 00	0 00
6,800 00	79.78	83 09	6,566 10	56 70	467 84	470.99	10.00	10.00	0 00	0 00
6,848 83	84 66	83.09	6,572 71	62 52	515 85	519 33	10.00	10.00	0.00	0 00
BFDU 53H Heel										
6,887 34	88 51	83.09	6,575.00	67.14	554.01	557 74	10 00	10 00	0 00	0 00
6887'MD: End of Build w/88.51° Incl. (Az. 83.09°)										
6,897 00	88 51	83.28	6,575 26	68 29	563.59	567 40	2.00	0 00	2.00	89 92
Adjust Azimuth 2° DLS										
6,900 00	88 51	83 34	6,575 33	68 64	566 57	570.39	2.00	0 00	2 00	89 92
6,997.11	88 51	85 29	6,577 85	78 25	663.17	667 46	2.00	0 00	2 00	89 91
6997'MD: End Turn (Az. 85.29°)										
7,000.00	88 51	85 29	6,577 93	78.49	666.05	670 35	0.00	0 00	0 00	82 36
7,100 00	88 51	85.29	6,580.52	86.70	765.68	770 31	0.00	0 00	0.00	0.00
7,200 00	88 51	85.29	6,583 12	94.92	865 30	870 28	0 00	0 00	0 00	0 00
7,300.00	88 51	85 29	6,585.71	103 13	964 93	970 24	0.00	0 00	0 00	0 00
7,400 00	88.51	85.29	6,588 30	111.35	1,064 56	1,070.21	0.00	0 00	0 00	0 00
7,500 00	88 51	85 29	6,590.90	119 56	1,164.19	1,170 17	0 00	0 00	0 00	0 00
7,600 00	88 51	85 29	6,593 49	127.78	1,263 82	1,270 14	0 00	0 00	0 00	0 00
7,700 00	88.51	85 29	6,596.08	136 00	1,363 45	1,370 11	0.00	0 00	0 00	0 00
7,800 00	88.51	85 29	6,598 67	144.21	1,463 07	1,470 07	0 00	0 00	0 00	0 00
7,900 00	88 51	85 29	6,601 27	152.43	1,562.70	1,570 04	0 00	0 00	0 00	0 00
8,000 00	88.51	85 29	6,603 86	160 64	1,662 33	1,670 00	0 00	0 00	0 00	0 00
8,100 00	88.51	85 29	6,606 45	168 86	1,761 96	1,769 97	0 00	0 00	0 00	0 00
8,200 00	88 51	85.29	6,609 05	177 07	1,861 59	1,869.93	0.00	0 00	0 00	0 00
8,300 00	88 51	85 29	6,611 64	185 29	1,961 21	1,969 90	0 00	0 00	0 00	0 00
8,400 00	88 51	85.29	6,614 23	193 50	2,060 84	2,069 86	0 00	0 00	0 00	0 00
8,500 00	88 51	85.29	6,616 83	201 72	2,160 47	2,169 83	0 00	0 00	0 00	0 00
8,600 00	88 51	85 29	6,619 42	209 93	2,260 10	2,269 79	0 00	0 00	0 00	0 00
8,700 00	88 51	85.29	6,622 01	218 15	2,359 73	2,369 76	0.00	0 00	0 00	0 00
8,800 00	88 51	85 29	6,624 61	226 36	2,459 36	2,469 72	0.00	0 00	0 00	0 00
8,900 00	88 51	85.29	6,627 20	234 58	2,558 98	2,569 69	0 00	0 00	0 00	0 00
9,000 00	88.51	85 29	6,629 79	242 79	2,658 61	2,669 65	0 00	0 00	0 00	0 00
9,100 00	88 51	85 29	6,632 38	251.01	2,758 24	2,769 62	0 00	0 00	0 00	0 00
9,200 00	88 51	85 29	6,634 98	259 22	2,857 87	2,869 58	0 00	0 00	0 00	0 00
9,300 00	88 51	85 29	6,637 57	267.44	2,957 50	2,969 55	0 00	0 00	0 00	0 00
9,400 00	88 51	85 29	6,640 16	275.65	3,057 13	3,069.51	0 00	0 00	0 00	0 00
9,500 00	88 51	85 29	6,642 76	283 87	3,156 75	3,169 48	0 00	0 00	0 00	0 00
9,600 00	88 51	85 29	6,645.35	292 08	3,256 38	3,269 45	0 00	0 00	0 00	0 00
9,700 00	88.51	85 29	6,647 94	300 30	3,356 01	3,369 41	0 00	0 00	0 00	0 00
9,800 00	88 51	85 29	6,650 54	308 51	3,455 64	3,469 38	0 00	0 00	0 00	0 00
9,900 00	88 51	85 29	6,653 13	316 73	3,555 27	3,569 34	0 00	0 00	0 00	0 00
10,000 00	88 51	85.29	6,655 72	324 94	3,654.89	3,669 31	0 00	0 00	0 00	0 00
10,100 00	88 51	85 29	6,658 32	333 16	3,754 52	3,769 27	0.00	0 00	0 00	0 00
10,200 00	88 51	85 29	6,660 91	341 37	3,854.15	3,869 24	0 00	0 00	0 00	0 00
10,300 00	88 51	85.29	6,663 50	349 59	3,953 78	3,969 20	0 00	0 00	0 00	0 00
10,400 00	88 51	85 29	6,666 10	357 80	4,053 41	4,069 17	0 00	0 00	0 00	0 00
10,500 00	88 51	85 29	6,668 69	366 02	4,153 04	4,169 13	0 00	0 00	0 00	0 00
10,600 00	88 51	85 29	6,671 28	374 24	4,252 66	4,269 10	0 00	0 00	0 00	0 00
10,700 00	88 51	85 29	6,673 87	382 45	4,352 29	4,369 06	0 00	0 00	0 00	0 00

Plan Report for Burton Flat Deep Unit 53H - Plan #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)	Toolface Azimuth (°)
10,800.00	88.51	85.29	6,676.47	390.67	4,451.92	4,469.03	0.00	0.00	0.00	0.00
10,900.00	88.51	85.29	6,679.06	398.88	4,551.55	4,568.99	0.00	0.00	0.00	0.00
11,000.00	88.51	85.29	6,681.65	407.10	4,651.18	4,668.96	0.00	0.00	0.00	0.00
11,100.00	88.51	85.29	6,684.25	415.31	4,750.81	4,768.92	0.00	0.00	0.00	0.00
11,200.00	88.51	85.29	6,686.84	423.53	4,850.43	4,868.89	0.00	0.00	0.00	0.00
11,283.31	88.51	85.29	6,689.00	430.37	4,933.43	4,952.17	0.00	0.00	0.00	0.00

11283'MD: PBHL - BFDU 53H PBHL

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
6,002.24	6,002.24	0.00	0.00	6002'MD KOP - Build @ 10° DLS
6,887.34	6,575.00	67.14	554.01	6887'MD: End of Build w/88.51° Incl (Azim 83.09°)
6,897.00	6,575.26	68.29	563.59	Adjust Azimuth 2° DLS
6,997.11	6,577.85	78.25	663.17	6997'MD End Turn (Azim. 85.29°)
11,283.31	6,689.00	430.37	4,933.43	11283'MD PBHL

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	+E/-W (ft)	Start TVD (ft)
TD	No Target (Freehand)	85.01	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	11,283.30	Plan #1	MWD

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
BFDU 53H PBHL	6,689.00	430.37	4,933.43	Point
BFDU 53H Heel	6,575.00	62.48	515.61	Point

North Reference Sheet for Burton Flat Deep Unit - Burton Flat Deep Unit 53H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference

Vertical Depths are relative to GL3214 4 +25'KB @ 3239 40ft (TBD). Northing and Easting are relative to Burton Flat Deep Unit 53H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104 33°, Longitude Origin 0° 0' 0 000 E°, Latitude Origin.0° 0' 0 000 N°

False Easting: 541,337 50ft, False Northing: 0 00ft, Scale Reduction: 0 99991204

Grid Coordinates of Well 547,973 23 ft N, 592,065 49 ft E

Geographical Coordinates of Well: 32° 30' 22 79" N, 104° 10' 07 60" W

Grid Convergence at Surface is. 0.09°

Based upon Minimum Curvature type calculations, at a Measured Depth of 11,283.31ft
the Bottom Hole Displacement is 4,952 17ft in the Direction of 85 01° (Grid).

Magnetic Convergence at surface is: -7.77° (20 June 2012, , BGGM2012)

