

DISTRICT I
1820 N. French Dr., Hobbs, NM 88240
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Phone (505) 746-1883 Fax: (505) 748-0720

DISTRICT III
1000 Rio Arriba Rd., Aztec, NM 87410
Phone (505) 534-8178 Fax: (505) 534-8178

DISTRICT IV
1820 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-9460 Fax: (505) 476-9460

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30025-41066	Pool Code 5535	Pool Name Berry; Bone Spring North
Property Code 39025	Property Name CHIEF 30 STATE	Well Number 4
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. Of Colorado	Elevation 3696

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	30	20 S	35 E		660	NORTH	320	WEST	LEA

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
A	30	20 S	35 E		990	NORTH	330	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160.12			

**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**

	SURFACE LOCATION Lat - N 32°32'58.40" Long - W 103°30'14.91" NMSPCE- N 564653.9 E 798835.1 (NAD-83)	PROPOSED BOTTOM HOLE LOCATION Lat - N 32°32'55.21" Long - W 103°29'20.78" NMSPCE- N 564368.0 E 801471.0 (NAD-83)	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 working interest, or to a unitary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Terri Stathem</i> Date: 11/27/12	
	N 565310.87 E 798509.31	N 565334.51 E 799154.58	N 565381.07 E 801792.98	Printed Name tstathem@cimarex.com
	N 562688.05 E 798532.76	N 562718.48 E 801814.18	Email Address	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. Date Surveyed: NOVEMBER 14, 2012 Signature: <i>[Signature]</i> Professional Surveyor 7977
	N 560030.78 E 796556.17	N 560051.58 E 799200.88	N 560074.99 E 801835.55	Certificate No. Gary L. Jones 7977 BASIN SURVEYS

MAR 20 2013

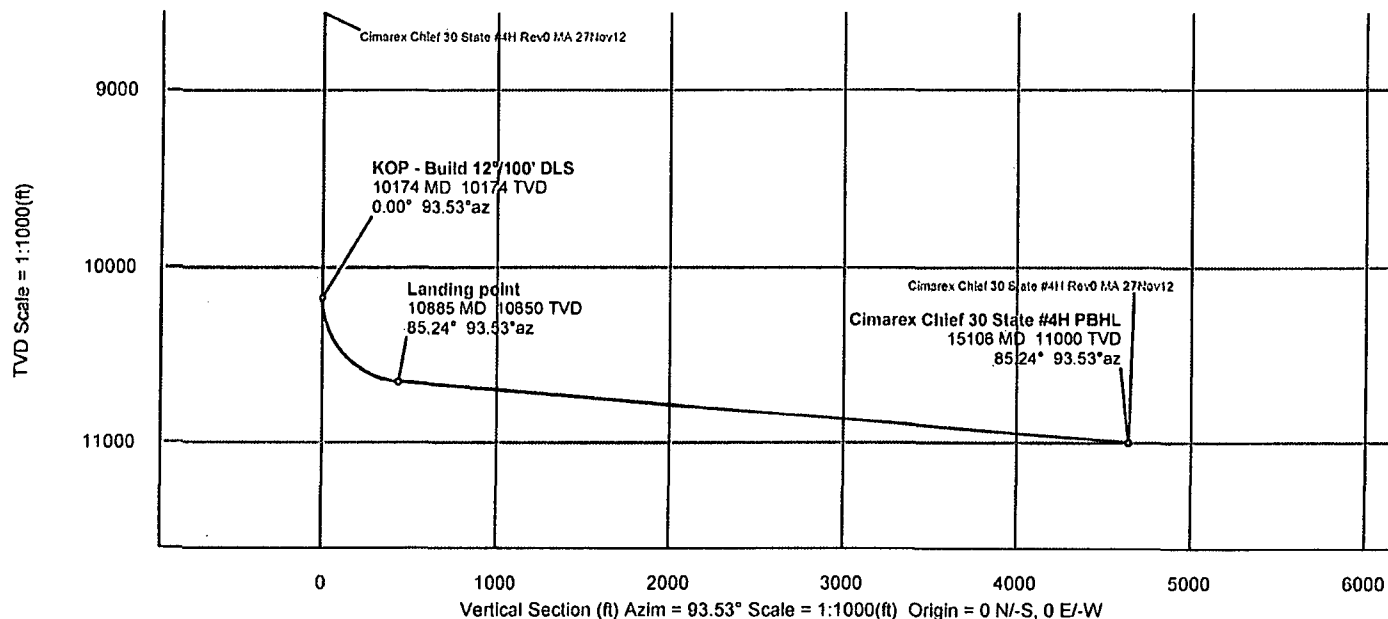
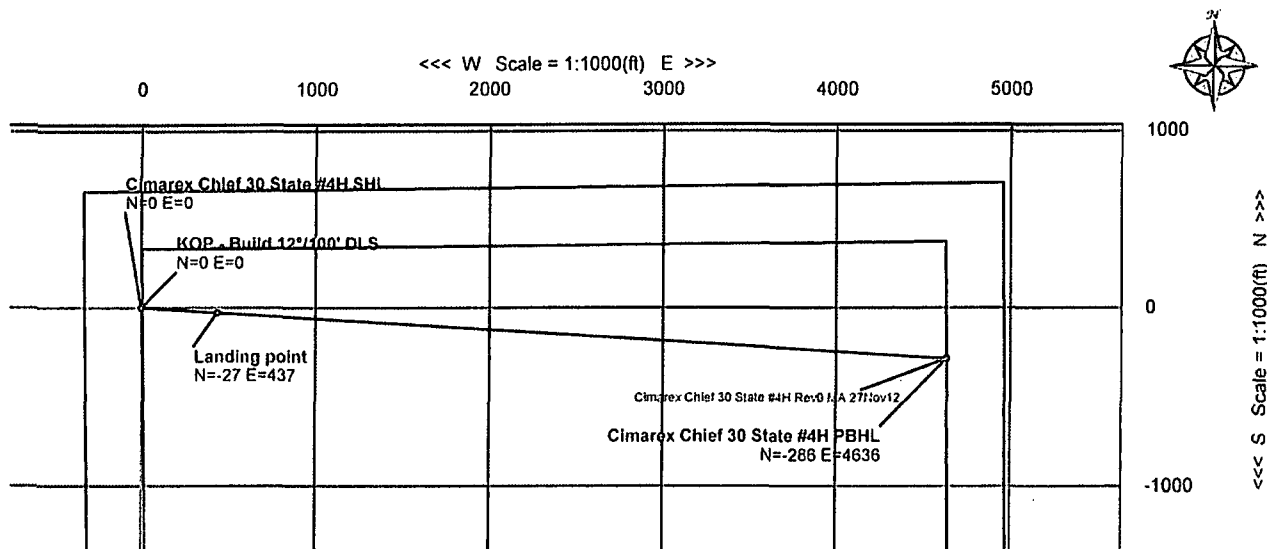


Cimarex

PATHFINDER
A Schlumberger Company

WELL	Chief 30 State #4H	FIELD	NM Lea County	STRUCTURE	TBD
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Logistics Parameters	Surface Location	Map/Reference	TVD Ref
Uplift: 8560' 2012 Dip: 63.42° Date: 11 November 27, 2012 Map Date: 7.501'	Lat: 33° 32' 55.432" Lon: 103° 30' 14.919" Easting: 726335 10 1545 Scale Factor: 0.99993355	Map/Reference: Chief 30 State #4H Plan: Rev 0 MA 27 Nov 12	Ground Level: 3226' above MSL Entry Date: 11 November 27, 2012



Critical Point	MD	INCL	AZIM	TVD	YSEC	N(+)/S(-)	E(+)/W(-)	DLS
Cimarex Chief 30 State #4H SHL	0.00	0.00	93.53	0.00	0.00	0.00	0.00	
KOP - Build 12°/100' DLS	10174.00	0.00	93.53	10174.00	0.00	0.00	0.00	0.00
Landing point	10884.64	85.24	93.53	10650.00	438.05	-26.97	437.22	12.00
Cimarex Chief 30 State #4H PBHL	15105.92	85.24	93.53	11000.00	4644.79	-285.91	4635.98	0.00



Cimarex Chief 30 State #4H Rev0 MA 27Nov12 Proposal Report
(Non-Def Plan)



Report Date: November 27, 2012 - 05:48 PM
Client: Cimarex
Field: N/A Lee County (H4D 63)
Structure / Slot: Cimarex Chief 30 State #4H / Cimarex Chief 30 State #4H
Well: Cimarex Chief 30 State #4H
Borehole: Original Borehole
UVN / API#: Unknown / Unknown
Survey Name: Cimarex Chief 30 State #4H Rev0 MA 27Nov12
Survey Date: November 27, 2012
Tort / AHD / BDI / ERD Ratio: 85.245 / 14644.792 ft / 5.735 / 0.422
Coordinate Reference System: NAD83 (North American State Plane, Eastern Zone, US Feet)
Location Lat / Long: N 32° 32' 43.162" / W 103° 30' 14.918"
Location Grid N/E Y/X: H 564553 600 NUS, E 766335 100 NUS
CRS Grid Convergence Angle: 0.4482°
Grid Scale Factor: 0.99998355

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 93.529° (Grid North)
Vertical Section Origin: 0 000 ft, 0 000 ft
TVD Reference Datum: Ground Level
TVD Reference Elevation: 3696 000 ft above MSL
Seabed / Ground Elevation: 3595 000 ft above MSL
Magnetic Declination: 7.551°
Total Gravity Field Strength: 959.1639 mgals (9.8 based)
Total Magnetic Field Strength: 46581.157 nT
Magnetic Dip Angle: 60.429°
Declination Date: November 27, 2012
Magnetic Declination Model: BGM2012
North Reference: Grid North
Grid Convergence Used: 0.4482°
Total Corr Mag North-Grid North: 7.0587°
Local Coord Referenced To: Structure Reference Point

Comments	TD (ft)	Incl (°)	Azimuth (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northings (ft)	Eastings (ft)	Latitude (N/S ° ° '")	Longitude (E/W ° ° '")	Closure (ft)	Closure Azimuth (°)	DLS (ft/100ft)
Cimarex Chief 30 State #4H SHL	0 00	0 00	93.53	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	N/A
	100 00	0 00	93.53	100 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
	200 00	0 00	93.53	200 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
	300 00	0 00	93.53	300 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
	400 00	0 00	93.53	400 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
	500 00	0 00	93.53	500 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
	600 00	0 00	93.53	600 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
	700 00	0 00	93.53	700 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
	800 00	0 00	93.53	800 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
	900 00	0 00	93.53	900 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
1000 00	0 00	93.53	1000 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
1100 00	0 00	93.53	1100 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00	
1200 00	0 00	93.53	1200 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00	
1300 00	0 00	93.53	1300 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
1400 00	0 00	93.53	1400 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
1500 00	0 00	93.53	1500 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
1600 00	0 00	93.53	1600 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
1700 00	0 00	93.53	1700 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
1800 00	0 00	93.53	1800 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
1900 00	0 00	93.53	1900 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2000 00	0 00	93.53	2000 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2100 00	0 00	93.53	2100 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2200 00	0 00	93.53	2200 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2300 00	0 00	93.53	2300 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2400 00	0 00	93.53	2400 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2500 00	0 00	93.53	2500 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2600 00	0 00	93.53	2600 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2700 00	0 00	93.53	2700 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2800 00	0 00	93.53	2800 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
2900 00	0 00	93.53	2900 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3000 00	0 00	93.53	3000 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3100 00	0 00	93.53	3100 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3200 00	0 00	93.53	3200 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3300 00	0 00	93.53	3300 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3400 00	0 00	93.53	3400 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3500 00	0 00	93.53	3500 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3600 00	0 00	93.53	3600 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3700 00	0 00	93.53	3700 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3800 00	0 00	93.53	3800 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
3900 00	0 00	93.53	3900 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4000 00	0 00	93.53	4000 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4100 00	0 00	93.53	4100 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4200 00	0 00	93.53	4200 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4300 00	0 00	93.53	4300 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4400 00	0 00	93.53	4400 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4500 00	0 00	93.53	4500 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4600 00	0 00	93.53	4600 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4700 00	0 00	93.53	4700 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4800 00	0 00	93.53	4800 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
4900 00	0 00	93.53	4900 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5000 00	0 00	93.53	5000 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5100 00	0 00	93.53	5100 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5200 00	0 00	93.53	5200 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5300 00	0 00	93.53	5300 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5400 00	0 00	93.53	5400 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5500 00	0 00	93.53	5500 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5600 00	0 00	93.53	5600 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5700 00	0 00	93.53	5700 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5800 00	0 00	93.53	5800 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
5900 00	0 00	93.53	5900 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
6000 00	0 00	93.53	6000 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
6100 00	0 00	93.53	6100 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
6200 00	0 00	93.53	6200 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
6300 00	0 00	93.53	6300 00	0 00	0 00	0 00	0 00	564553 60	766335 10	N 32 32 58.40 W 103 30 14.92		0 00	0 00	0 00
6400 00	0													

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')	Closure (ft)	Closure Azimuth (°)	DL8 (ft/1000ft)
	7800.00	0.00	93.53	7800.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8000.00	0.00	93.53	8000.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8100.00	0.00	93.53	8100.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8200.00	0.00	93.53	8200.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8300.00	0.00	93.53	8300.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8400.00	0.00	93.53	8400.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8500.00	0.00	93.53	8500.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8600.00	0.00	93.53	8600.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8700.00	0.00	93.53	8700.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8800.00	0.00	93.53	8800.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	8900.00	0.00	93.53	8900.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9000.00	0.00	93.53	9000.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9100.00	0.00	93.53	9100.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9200.00	0.00	93.53	9200.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9300.00	0.00	93.53	9300.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9400.00	0.00	93.53	9400.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9500.00	0.00	93.53	9500.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9600.00	0.00	93.53	9600.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9700.00	0.00	93.53	9700.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9800.00	0.00	93.53	9800.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	9900.00	0.00	93.53	9900.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	10000.00	0.00	93.53	10000.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
	10100.00	0.00	93.53	10100.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
KOP - Bore 12"/10'	10174.00	0.00	93.53	10174.00	0.00	0.00	0.00	564853.90	796835.10	N 32 32 58.40 W 103 30 14.82		0.00	0.00	0.00
DL8	10200.00	3.12	93.53	10199.99	0.71	-0.04	0.71	564853.86	796835.81	N 32 32 58.40 W 103 30 14.91		0.71	93.53	12.00
	10300.00	15.11	93.53	10298.54	10.52	-1.02	16.49	564852.68	796851.59	N 32 32 58.39 W 103 30 14.73		16.52	93.53	12.00
	10400.00	27.11	93.53	10391.66	52.48	-3.23	62.38	564850.87	796887.48	N 32 32 58.37 W 103 30 14.31		52.48	93.53	12.00
	10500.00	39.11	93.53	10478.27	107.00	-8.59	108.60	564847.31	796941.69	N 32 32 58.33 W 103 30 13.87		107.00	93.53	12.00
	10600.00	51.10	93.53	10545.73	177.71	-10.94	177.37	564842.98	797012.47	N 32 32 58.28 W 103 30 12.85		177.71	93.53	12.00
	10700.00	63.10	93.53	10569.95	261.51	-16.10	261.02	564837.80	797090.11	N 32 32 58.22 W 103 30 11.87		261.51	93.53	12.00
	10800.00	75.09	93.53	10635.57	354.76	-21.84	354.09	564832.06	797189.16	N 32 32 58.16 W 103 30 10.78		354.76	93.53	12.00
Landing point	10854.84	85.24	93.53	10650.00	438.05	-26.97	437.22	564828.33	797272.31	N 32 32 58.10 W 103 30 9.81		438.05	93.53	12.00
	10900.00	85.24	93.53	10651.27	433.38	-27.81	432.50	564825.98	797287.59	N 32 32 58.09 W 103 30 9.84		433.38	93.53	12.00
	11000.00	85.24	93.53	10658.66	533.01	-34.65	551.66	564619.85	797387.05	N 32 32 58.02 W 103 30 8.47		533.01	93.53	12.00
	11100.00	85.24	93.53	10667.85	652.67	-49.19	651.43	564613.72	797468.52	N 32 32 57.95 W 103 30 7.31		652.67	93.53	12.00
	11200.00	85.24	93.53	10676.14	752.32	-49.32	750.90	564607.58	797665.98	N 32 32 57.89 W 103 30 6.15		752.32	93.53	12.00
	11300.00	85.24	93.53	10684.43	851.89	-52.46	850.38	564601.44	797865.45	N 32 32 57.82 W 103 30 4.99		851.89	93.53	12.00
	11400.00	85.24	93.53	10693.72	951.83	-56.58	950.83	564595.31	798064.91	N 32 32 57.75 W 103 30 3.83		951.83	93.53	12.00
	11500.00	85.24	93.53	10701.01	1051.29	-64.73	1049.30	564589.17	798264.36	N 32 32 57.68 W 103 30 2.67		1051.29	93.53	12.00
	11600.00	85.24	93.53	10709.30	1150.95	-70.68	1148.78	564583.04	798463.84	N 32 32 57.61 W 103 30 1.51		1150.95	93.53	12.00
	11700.00	85.24	93.53	10717.59	1250.60	-77.00	1248.23	564576.90	798663.31	N 32 32 57.54 W 103 30 0.34		1250.60	93.53	12.00
	11800.00	85.24	93.53	10725.88	1350.26	-83.13	1347.70	564570.77	798862.77	N 32 32 57.47 W 103 29 59.18		1350.26	93.53	12.00
	11900.00	85.24	93.53	10734.17	1449.91	-89.27	1447.16	564564.63	799062.24	N 32 32 57.41 W 103 29 58.02		1449.91	93.53	12.00
	12000.00	85.24	93.53	10742.46	1549.57	-95.40	1548.63	564558.50	799261.70	N 32 32 57.34 W 103 29 56.85		1549.57	93.53	12.00
	12100.00	85.24	93.53	10750.75	1649.22	-101.54	1648.10	564552.36	799461.17	N 32 32 57.27 W 103 29 55.70		1649.22	93.53	12.00
	12200.00	85.24	93.53	10759.04	1748.88	-107.67	1745.50	564546.23	799660.63	N 32 32 57.20 W 103 29 54.54		1748.88	93.53	12.00
	12300.00	85.24	93.53	10767.34	1848.54	-113.81	1845.03	564540.09	799860.10	N 32 32 57.13 W 103 29 53.38		1848.54	93.53	12.00
	12400.00	85.24	93.53	10775.63	1948.19	-119.94	1944.50	564533.96	799977.56	N 32 32 57.06 W 103 29 52.21		1948.19	93.53	12.00
	12500.00	85.24	93.53	10783.92	2047.85	-126.08	2043.96	564527.83	799977.56	N 32 32 57.00 W 103 29 51.05		2047.85	93.53	12.00
	12600.00	85.24	93.53	10792.21	2147.50	-132.21	2143.43	564521.69	799977.56	N 32 32 56.93 W 103 29 49.89		2147.50	93.53	12.00
	12700.00	85.24	93.53	10800.50	2247.16	-138.35	2242.90	564515.56	799977.56	N 32 32 56.86 W 103 29 48.73		2247.16	93.53	12.00
	12800.00	85.24	93.53	10808.79	2346.81	-144.48	2342.36	564509.42	799977.56	N 32 32 56.79 W 103 29 47.57		2346.81	93.53	12.00
	12900.00	85.24	93.53	10817.08	2446.47	-150.61	2441.83	564503.29	799977.56	N 32 32 56.72 W 103 29 46.41		2446.47	93.53	12.00
	13000.00	85.24	93.53	10825.37	2546.13	-156.75	2541.30	564497.16	799977.56	N 32 32 56.65 W 103 29 45.25		2546.13	93.53	12.00
	13100.00	85.24	93.53	10833.66	2645.78	-162.88	2640.78	564491.02	799977.56	N 32 32 56.58 W 103 29 44.08		2645.78	93.53	12.00
	13200.00	85.24	93.53	10841.95	2745.44	-169.02	2740.23	564484.89	799977.56	N 32 32 56.51 W 103 29 42.92		2745.44	93.53	12.00
	13300.00	85.24	93.53	10850.25	2845.09	-175.15	2839.70	564478.75	799977.56	N 32 32 56.44 W 103 29 41.76		2845.09	93.53	12.00
	13400.00	85.24	93.53	10858.54	2944.75	-181.28	2939.18	564472.62	799977.56	N 32 32 56.37 W 103 29 40.60		2944.75	93.53	12.00
	13500.00	85.24	93.53	10866.83	3044.40	-187.42	3038.63	564466.48	799977.56	N 32 32 56.31 W 103 29 39.44		3044.40	93.53	12.00
	13600.00	85.24	93.53	10875.12	3144.06	-193.55	3138.10	564460.35	799977.56	N 32 32 56.24 W 103 29 38.28		3144.06	93.53	12.00
	13700.00	85.24	93.53	10883.41	3243.72	-199.68	3237.56	564454.22	800072.60	N 32 32 56.17 W 103 29 37.12		3243.72	93.53	12.00
	13800.00	85.24	93.53	10891.71	3343.37	-205.82	3337.03	564448.09	800172.07	N 32 32 56.11 W 103 29 35.95		3343.37	93.53	12.00
	13900.00	85.24	93.53	10900.00	3443.03	-211.95	3436.50	564441.95	800271.53	N 32 32 56.04 W 103 29 34.79		3443.03	93.53	12.00
	14000.00	85.24	93.53	10908.29	3542.68	-218.08	3535.96	564435.82	800371.00	N 32 32 55.97 W 103 29 33.63		3542.68	93.53	12.00
	14100.00	85.24	93.53	10916.58	3642.34	-224.22	3635.43	564429.69	800470.46	N 32 32 55.90 W 103 29 32.47		3642.34	93.53	12.00
	14200.00	85.24	93.53	10924.87	3741.99	-230.35	3734.90	564423.55	800569.93	N 32 32 55.83 W 103 29 31.31		3741.99	93.53	12.00
	14300.00	85.24	93.53	10933.17	3841.65	-236.48	3834.36	564417.42	800669.39	N 32 32 55.76 W 103 29 30.15		3841.65	93.53	12.00
	14400.00	85.24	93.53	10941.46	3941.30	-242.62	3933.83	564411.29	800768.86	N 32 32 55.70 W 103 29 28.99		3941.30	93.53	