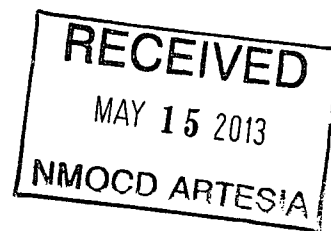




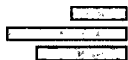
Weatherford®



Drilling Services

30-015-41361

Proposal



devon

IRRITABLE 22 STATE COM 3H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

MAY 6, 2013

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



**Irritable 22 State Com 3H
Eddy Co., NM**

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec Target
1	0.00	0.00	179.19	0.00	0.00	0.00	0.00	0.00	0.00
2	7012.04	0.00	179.19	7012.04	0.00	0.00	0.00	0.00	0.00
3	7912.04	90.00	179.19	7585.00	-572.90	8.07	10.00	179.19	572.96
4	11972.50	90.00	179.19	7585.00	-4632.96	65.27	0.00	0.00	4633.42 PBHL

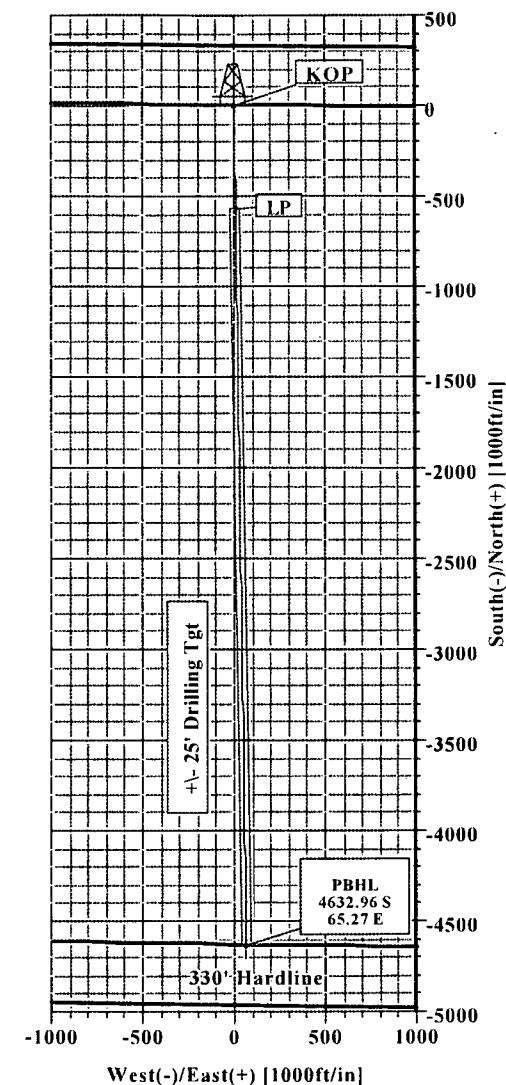
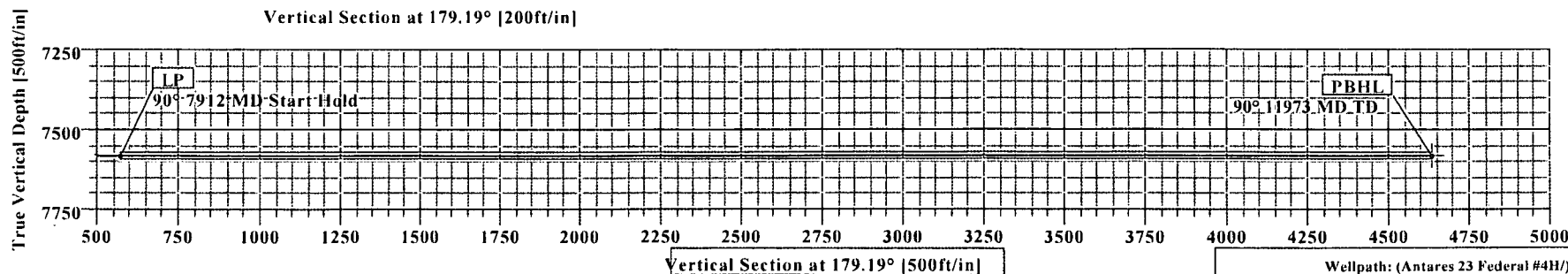
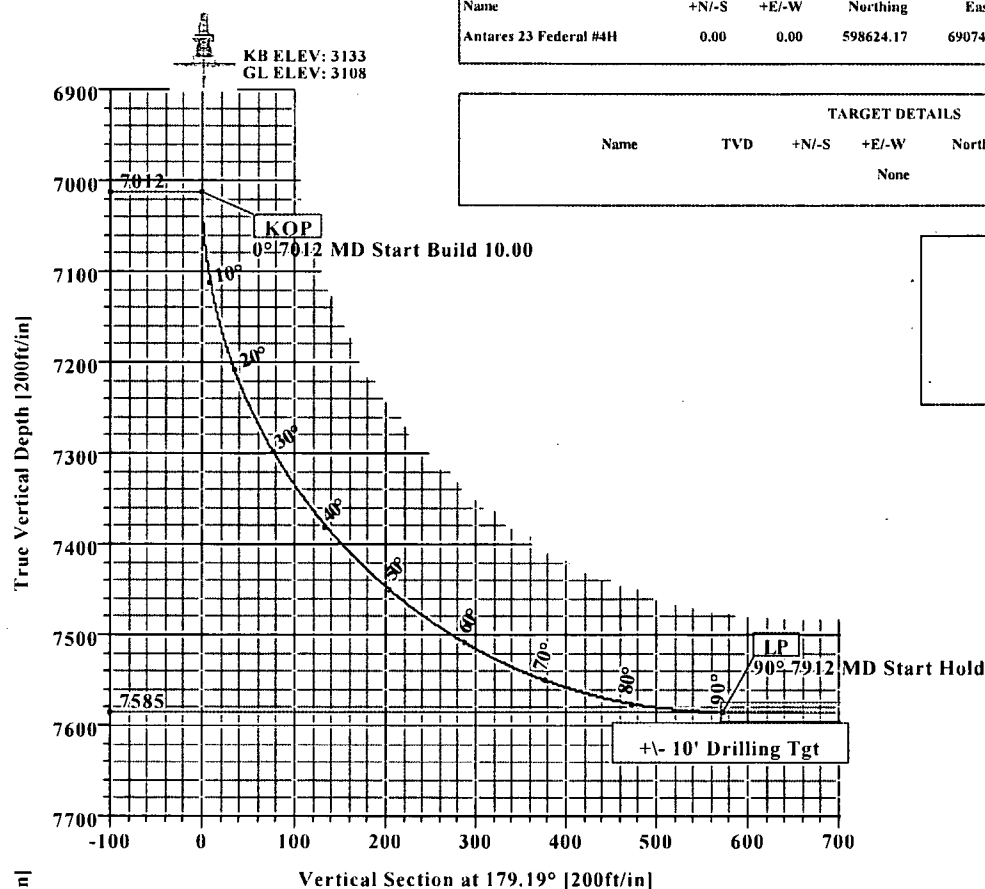
WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Antares 23 Federal #4H	0.00	0.00	598624.17	690744.41	32°38'41.007N	103°50'52.572W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
None						

SITE DETAILS	
Antares 23 Federal #4H	
Site Centre Northing:	598624.17
Easting:	690744.41
Ground Level:	3545.00
Positional Uncertainty:	0.00
Convergence:	0.26



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Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy Date: 5/6/2013 Time: 08:37:10 Page: 1
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Irritable 22 State Com 3H
Site: Irritable 22 State Com 3H Vertical (TVD) Reference: SITE 3133.0
Well: Irritable 22 State Com 3H Section (VS) Reference: Well (0.00N,0.00E,179.19Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #1 Date Composed: 5/3/2013
Principal: Yes Version: 1
Tied-to: From Surface

Site: Irritable 22 State Com 3H

Site Position: Northing: 408132.22 ft Latitude: 32 7 18.983 N
From: Map Easting: 588736.17 ft Longitude: 104 10 48.826 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3108.00 ft Grid Convergence: 0.08 deg

Well: Irritable 22 State Com 3H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 408132.22 ft Latitude: 32 7 18.983 N
+E/-W 0.00 ft Easting: 588736.17 ft Longitude: 104 10 48.826 W
Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 3133.00 ft Tie-on Depth: 0.00 ft
Magnetic Data: 8/30/2013 Above System Datum: Mean Sea Level
Field Strength: 48292 nT Declination: 7.59 deg
Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 59.93 deg
ft ft +E/-W Direction
deg
0.00 0.00 0.00 179.19

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	179.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7012.04	0.00	179.19	7012.04	0.00	0.00	0.00	0.00	0.00	0.00	
7912.04	90.00	179.19	7585.00	-572.90	8.07	10.00	10.00	0.00	179.19	
11972.50	90.00	179.19	7585.00	-4632.96	65.27	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
7000.00	0.00	179.19	7000.00	0.00	0.00	0.00	0.00	408132.22	588736.17	
7012.04	0.00	179.19	7012.04	0.00	0.00	0.00	0.00	408132.22	588736.17	KOP
7100.00	8.80	179.19	7099.65	-6.74	0.09	6.74	10.00	408125.48	588736.26	
7200.00	18.80	179.19	7196.65	-30.55	0.43	30.55	10.00	408101.67	588736.60	
7300.00	28.80	179.19	7288.03	-70.84	1.00	70.85	10.00	408061.38	588737.17	
7400.00	38.80	179.19	7371.03	-126.39	1.78	126.40	10.00	408005.83	588737.95	
7500.00	48.80	179.19	7443.12	-195.51	2.75	195.52	10.00	407936.71	588738.92	
7600.00	58.80	179.19	7502.11	-276.09	3.89	276.11	10.00	407856.13	588740.06	
7700.00	68.80	179.19	7546.21	-365.69	5.15	365.72	10.00	407766.53	588741.32	
7800.00	78.80	179.19	7574.08	-461.58	6.50	461.63	10.00	407670.64	588742.67	
7900.00	88.80	179.19	7584.87	-560.86	7.90	560.92	10.00	407571.36	588744.07	
7912.04	90.00	179.19	7585.00	-572.90	8.07	572.96	10.00	407559.32	588744.24	LP
8000.00	90.00	179.19	7585.00	-660.85	9.31	660.92	0.00	407471.37	588745.48	
8100.00	90.00	179.19	7585.00	-760.84	10.72	760.92	0.00	407371.38	588746.89	
8200.00	90.00	179.19	7585.00	-860.83	12.13	860.92	0.00	407271.39	588748.30	
8300.00	90.00	179.19	7585.00	-960.82	13.54	960.92	0.00	407171.40	588749.71	
8400.00	90.00	179.19	7585.00	-1060.81	14.94	1060.92	0.00	407071.41	588751.11	
8500.00	90.00	179.19	7585.00	-1160.80	16.35	1160.92	0.00	406971.42	588752.52	
8600.00	90.00	179.19	7585.00	-1260.79	17.76	1260.92	0.00	406871.43	588753.93	
8700.00	90.00	179.19	7585.00	-1360.78	19.17	1360.92	0.00	406771.44	588755.34	
8800.00	90.00	179.19	7585.00	-1460.77	20.58	1460.92	0.00	406671.45	588756.75	
8900.00	90.00	179.19	7585.00	-1560.76	21.99	1560.92	0.00	406571.46	588758.16	
9000.00	90.00	179.19	7585.00	-1660.75	23.40	1660.92	0.00	406471.47	588759.57	



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Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy Date: 5/6/2013 Time: 08:37:10 Page: 2
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Irritable 22 State Com 3H
Site: Irritable 22 State Com 3H Vertical (TVD) Reference: SITE 3133.0
Well: Irritable 22 State Com 3H Section (VS) Reference: Well (0.00N,0.00E,179.19Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
9100.00	90.00	179.19	7585.00	-1760.74	24.81	1760.92	0.00	406371.48	588760.98	
9200.00	90.00	179.19	7585.00	-1860.73	26.21	1860.92	0.00	406271.49	588762.38	
9300.00	90.00	179.19	7585.00	-1960.72	27.62	1960.92	0.00	406171.50	588763.79	
9400.00	90.00	179.19	7585.00	-2060.71	29.03	2060.92	0.00	406071.51	588765.20	
9500.00	90.00	179.19	7585.00	-2160.70	30.44	2160.92	0.00	405971.52	588766.61	
9600.00	90.00	179.19	7585.00	-2260.69	31.85	2260.92	0.00	405871.53	588768.02	
9700.00	90.00	179.19	7585.00	-2360.68	33.26	2360.92	0.00	405771.54	588769.43	
9800.00	90.00	179.19	7585.00	-2460.67	34.67	2460.92	0.00	405671.55	588770.84	
9900.00	90.00	179.19	7585.00	-2560.66	36.08	2560.92	0.00	405571.56	588772.25	
10000.00	90.00	179.19	7585.00	-2660.65	37.48	2660.92	0.00	405471.57	588773.65	
10100.00	90.00	179.19	7585.00	-2760.64	38.89	2760.92	0.00	405371.58	588775.06	
10200.00	90.00	179.19	7585.00	-2860.63	40.30	2860.92	0.00	405271.59	588776.47	
10300.00	90.00	179.19	7585.00	-2960.62	41.71	2960.92	0.00	405171.60	588777.88	
10400.00	90.00	179.19	7585.00	-3060.61	43.12	3060.92	0.00	405071.61	588779.29	
10500.00	90.00	179.19	7585.00	-3160.60	44.53	3160.92	0.00	404971.62	588780.70	
10600.00	90.00	179.19	7585.00	-3260.59	45.94	3260.92	0.00	404871.63	588782.11	
10700.00	90.00	179.19	7585.00	-3360.58	47.34	3360.92	0.00	404771.64	588783.51	
10800.00	90.00	179.19	7585.00	-3460.57	48.75	3460.92	0.00	404671.65	588784.92	
10900.00	90.00	179.19	7585.00	-3560.56	50.16	3560.92	0.00	404571.66	588786.33	
11000.00	90.00	179.19	7585.00	-3660.55	51.57	3660.92	0.00	404471.67	588787.74	
11100.00	90.00	179.19	7585.00	-3760.54	52.98	3760.92	0.00	404371.68	588789.15	
11200.00	90.00	179.19	7585.00	-3860.53	54.39	3860.92	0.00	404271.69	588790.56	
11300.00	90.00	179.19	7585.00	-3960.52	55.80	3960.92	0.00	404171.70	588791.97	
11400.00	90.00	179.19	7585.00	-4060.51	57.21	4060.92	0.00	404071.71	588793.38	
11500.00	90.00	179.19	7585.00	-4160.50	58.61	4160.92	0.00	403971.72	588794.78	
11600.00	90.00	179.19	7585.00	-4260.49	60.02	4260.92	0.00	403871.73	588796.19	
11700.00	90.00	179.19	7585.00	-4360.48	61.43	4360.92	0.00	403771.74	588797.60	
11800.00	90.00	179.19	7585.00	-4460.47	62.84	4460.92	0.00	403671.75	588799.01	
11900.00	90.00	179.19	7585.00	-4560.46	64.25	4560.92	0.00	403571.76	588800.42	
11972.50	90.00	179.19	7585.00	-4632.96	65.27	4633.42	0.00	403499.26	588801.44	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ---->		<--- Longitude --->	
PBHL			7585.00	-4632.96	65.27	403499.26	588801.44	32	6 33.133 N	104	10 48.144 W
-Rectangle (2060x50)											

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



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Wft Plan Report X Y's.



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Irritable 22 State Com 3H
Well: Irritable 22 State Com 3H
Wellpath: 1

Date: 5/6/2013 Time: 08:37:10 Page: 3
Co-ordinate(NE) Reference: Well: Irritable 22 State Com 3H
Vertical (TVD) Reference: SITE 3133.0
Section (VS) Reference: Well (0.00N,0.00E,179.19Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Annotation

MD ft	TVD ft	
7012.04	7012.04	KOP
7912.04	7585.00	LP
11972.50	7585.00	PBHL

**Weatherford****Weatherford Drilling Services**

GeoDec v5.03

Report Date: May 03, 2013
Job Number: _____
Customer: Devon
Well Name: Irritable 22 State Com 3H
API Number: _____
Rig Name: _____
Location: Eddy Co., NM
Block: _____
Engineer: RWJ

US State Plane 1983	Geodetic Latitude / Longitude
System: New Mexico Eastern Zone	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
North/South 408132.220 USFT	Latitude 32.1219419 DEG
East/West 588736.170 USFT	Longitude -104.1802256 DEG
Grid Convergence: .08°	
Total Correction: +7.62°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.12194° N	32° 7 min 18.991 sec
Longitude =	104.18023° W	104° 10 min 48.812 sec

Magnetic Declination =	7.70°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6806
Local Field Strength =	48250 nT	Magnetic Vector X = 23994 nT
Magnetic Dip =	59.88°	Magnetic Vector Y = 3242 nT
Magnetic Model =	bggm2012	Magnetic Vector Z = 41735 nT
Spud Date =	Aug 30, 2013	Magnetic Vector H = 24212 nT

Signed: _____

Date: _____