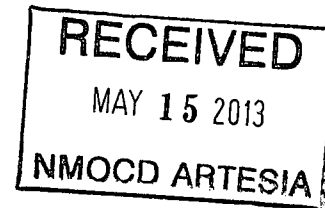




Weatherford®



Drilling Services

30-015-41357

Proposal



devon

IRRITABLE 22 STATE COM 1H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

MAY 6, 2013

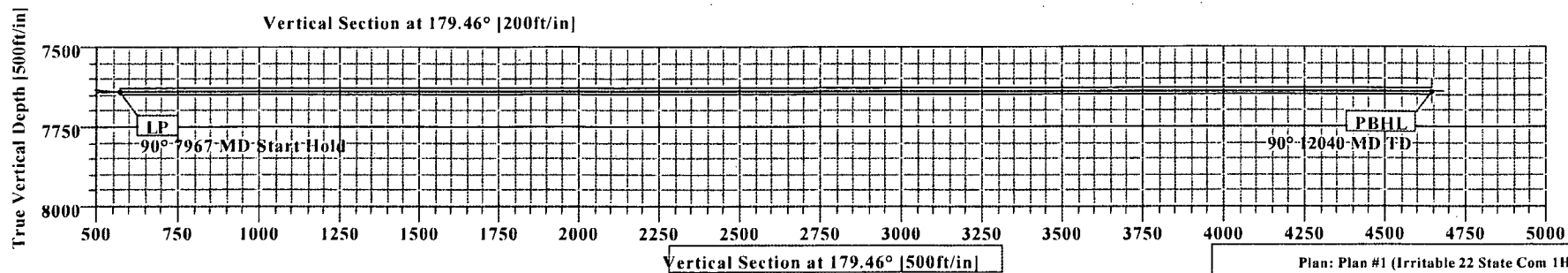
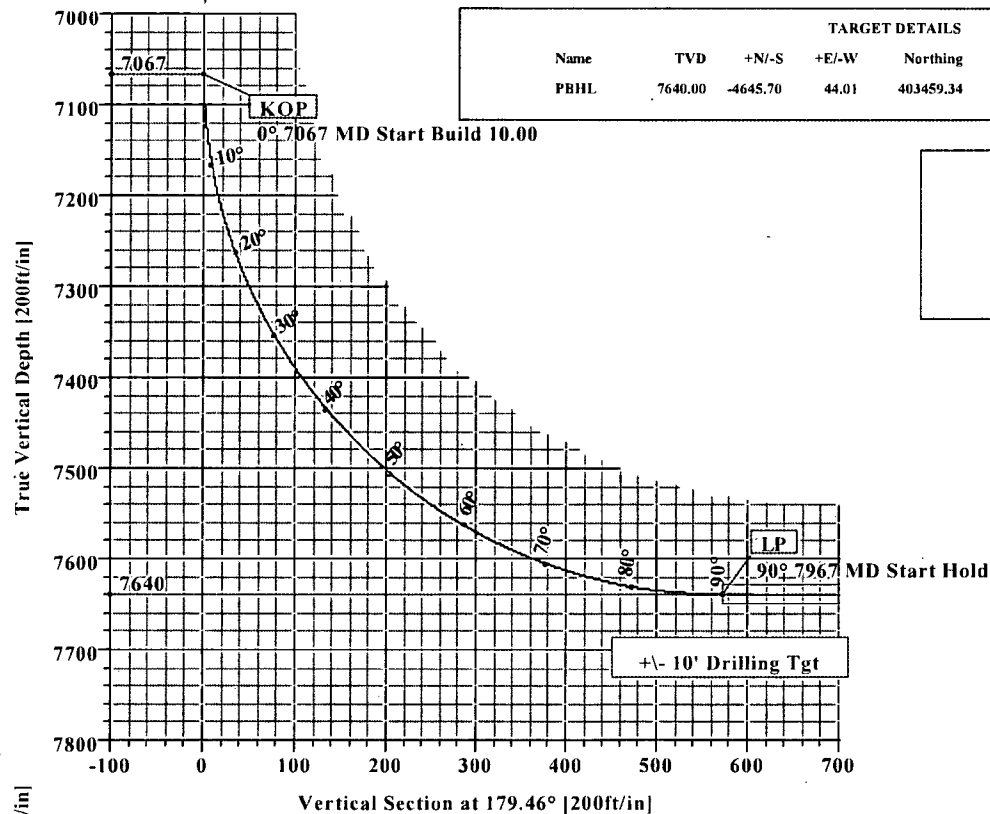
Weatherford International, Ltd.

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Irritable 22 State Com 1H
Eddy Co., NM

KB ELEV: 3096
GL ELEV: 3071

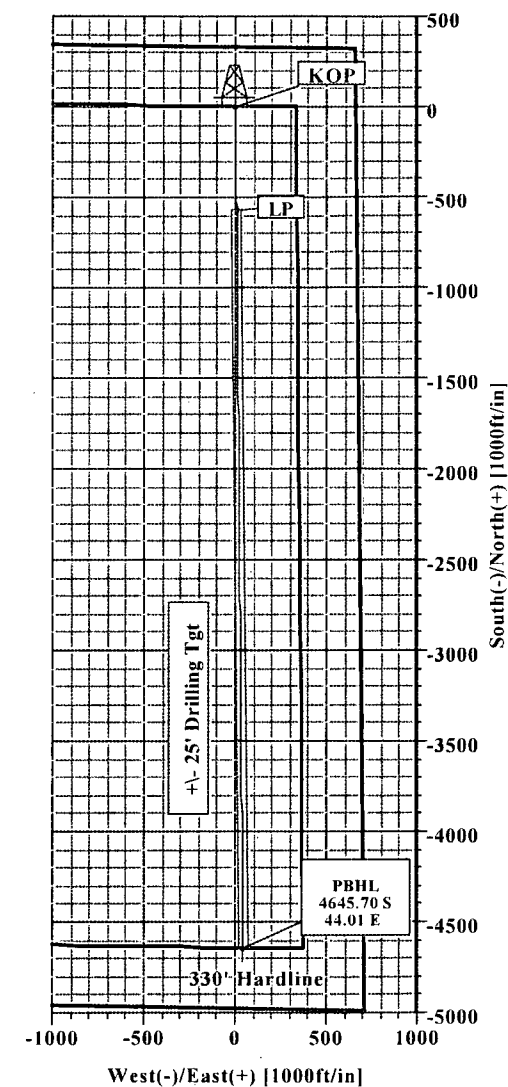


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	179.46	0.00	0.00	0.00	0.00	0.00	0.00	
2	7067.04	0.00	179.46	7067.04	0.00	0.00	0.00	0.00	0.00	
3	7967.04	90.00	179.46	7640.00	-572.93	5.43	10.00	179.46	572.96	
4	12039.99	90.00	179.46	7640.00	-4645.70	44.01	0.00	0.00	4645.91	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Irritable 22 State Com 1H	0.00	0.00	408105.04	591415.19	32°07'18.675N	104°10'17.673W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7640.00	-4645.70	44.01	403459.34	591459.20	Rectangle (4072x50)

SITE DETAILS	
Irritable 22 State Com 1H	
Site Centre Northing:	408105.04
Easting:	591415.19
Ground Level:	3071.00
Positional Uncertainty:	0.00
Convergence:	0.09





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Wft Plan Report X Y's.



Company: Devon Energy Date: 5/6/2013 Time: 08:15:52 Page: 1
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Irritable 22 State Com 1H
Site: Irritable 22 State Com 1H Vertical (TVD) Reference: SITE 3096.0
Well: Irritable 22 State Com 1H Section (VS) Reference: Well (0.00N,0.00E,179.46Azi)
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 1H

Site Position: Northing: 408105.04 ft Latitude: 32 7 18.675 N
From: Map Easting: 591415.19 ft Longitude: 104 10 17.673 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3071.00 ft Grid Convergence: 0.09 deg

Well: Irritable 22 State Com 1H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 408105.04 ft Latitude: 32 7 18.675 N
+E/-W 0.00 ft Easting: 591415.19 ft Longitude: 104 10 17.673 W
Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 3096.00 ft Tie-on Depth: 0.00 ft
Magnetic Data: 7/15/2013 Above System Datum: Mean Sea Level
Field Strength: 48306 nT Declination: 7.60 deg
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
ft ft ft deg
0.00 0.00 0.00 179.46

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	179.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7067.04	0.00	179.46	7067.04	0.00	0.00	0.00	0.00	0.00	0.00	
7967.04	90.00	179.46	7640.00	-572.93	5.43	10.00	10.00	0.00	179.46	
12039.99	90.00	179.46	7640.00	-4645.70	44.01	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	179.46	7000.00	0.00	0.00	0.00	0.00	408105.04	591415.19	
7067.04	0.00	179.46	7067.04	0.00	0.00	0.00	0.00	408105.04	591415.19	KOP
7100.00	3.30	179.46	7099.98	-0.95	0.01	0.95	10.00	408104.09	591415.20	
7200.00	13.30	179.46	7198.81	-15.36	0.15	15.36	10.00	408089.68	591415.34	
7300.00	23.30	179.46	7293.63	-46.71	0.44	46.71	10.00	408058.33	591415.63	
7400.00	33.30	179.46	7381.57	-94.05	0.89	94.05	10.00	408010.99	591416.08	
7500.00	43.30	179.46	7459.96	-155.94	1.48	155.95	10.00	407949.10	591416.67	
7600.00	53.30	179.46	7526.40	-230.50	2.18	230.51	10.00	407874.54	591417.37	
7700.00	63.30	179.46	7578.89	-315.47	2.99	315.48	10.00	407789.57	591418.18	
7800.00	73.30	179.46	7615.82	-408.25	3.87	408.27	10.00	407696.79	591419.06	
7900.00	83.30	179.46	7636.08	-506.05	4.79	506.07	10.00	407598.99	591419.98	
7967.04	90.00	179.46	7640.00	-572.93	5.43	572.96	10.00	407532.11	591420.62	LP
8000.00	90.00	179.46	7640.00	-605.89	5.74	605.92	0.00	407499.15	591420.93	
8100.00	90.00	179.46	7640.00	-705.88	6.69	705.92	0.00	407399.16	591421.88	
8200.00	90.00	179.46	7640.00	-805.88	7.63	805.92	0.00	407299.16	591422.82	
8300.00	90.00	179.46	7640.00	-905.87	8.58	905.92	0.00	407199.17	591423.77	
8400.00	90.00	179.46	7640.00	-1005.87	9.53	1005.92	0.00	407099.17	591424.72	
8500.00	90.00	179.46	7640.00	-1105.87	10.48	1105.92	0.00	406999.17	591425.67	
8600.00	90.00	179.46	7640.00	-1205.86	11.42	1205.92	0.00	406899.18	591426.61	
8700.00	90.00	179.46	7640.00	-1305.86	12.37	1305.92	0.00	406799.18	591427.56	
8800.00	90.00	179.46	7640.00	-1405.85	13.32	1405.92	0.00	406699.19	591428.51	
8900.00	90.00	179.46	7640.00	-1505.85	14.27	1505.92	0.00	406599.19	591429.46	
9000.00	90.00	179.46	7640.00	-1605.84	15.21	1605.92	0.00	406499.20	591430.40	



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Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy Date: 5/6/2013 Time: 08:15:52 Page: 2
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Irritable 22 State Com 1H
Site: Irritable 22 State Com 1H Vertical (TVD) Reference: SITE 3096.0
Well: Irritable 22 State Com 1H Section (VS) Reference: Well (0.00N,0.00E,179.46Azi)
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	179.46	7640.00	-1705.84	16.16	1705.92	0.00	406399.20	591431.35	
9200.00	90.00	179.46	7640.00	-1805.83	17.11	1805.92	0.00	406299.21	591432.30	
9300.00	90.00	179.46	7640.00	-1905.83	18.05	1905.92	0.00	406199.21	591433.24	
9400.00	90.00	179.46	7640.00	-2005.83	19.00	2005.92	0.00	406099.21	591434.19	
9500.00	90.00	179.46	7640.00	-2105.82	19.95	2105.92	0.00	405999.22	591435.14	
9600.00	90.00	179.46	7640.00	-2205.82	20.90	2205.92	0.00	405899.22	591436.09	
9700.00	90.00	179.46	7640.00	-2305.81	21.84	2305.92	0.00	405799.23	591437.03	
9800.00	90.00	179.46	7640.00	-2405.81	22.79	2405.92	0.00	405699.23	591437.98	
9900.00	90.00	179.46	7640.00	-2505.80	23.74	2505.92	0.00	405599.24	591438.93	
10000.00	90.00	179.46	7640.00	-2605.80	24.69	2605.92	0.00	405499.24	591439.88	
10100.00	90.00	179.46	7640.00	-2705.79	25.63	2705.92	0.00	405399.25	591440.82	
10200.00	90.00	179.46	7640.00	-2805.79	26.58	2805.92	0.00	405299.25	591441.77	
10300.00	90.00	179.46	7640.00	-2905.79	27.53	2905.92	0.00	405199.25	591442.72	
10400.00	90.00	179.46	7640.00	-3005.78	28.47	3005.92	0.00	405099.26	591443.66	
10500.00	90.00	179.46	7640.00	-3105.78	29.42	3105.92	0.00	404999.26	591444.61	
10600.00	90.00	179.46	7640.00	-3205.77	30.37	3205.92	0.00	404899.27	591445.56	
10700.00	90.00	179.46	7640.00	-3305.77	31.32	3305.92	0.00	404799.27	591446.51	
10800.00	90.00	179.46	7640.00	-3405.76	32.26	3405.92	0.00	404699.28	591447.45	
10900.00	90.00	179.46	7640.00	-3505.76	33.21	3505.92	0.00	404599.28	591448.40	
11000.00	90.00	179.46	7640.00	-3605.75	34.16	3605.92	0.00	404499.29	591449.35	
11100.00	90.00	179.46	7640.00	-3705.75	35.11	3705.92	0.00	404399.29	591450.30	
11200.00	90.00	179.46	7640.00	-3805.74	36.05	3805.92	0.00	404299.30	591451.24	
11300.00	90.00	179.46	7640.00	-3905.74	37.00	3905.92	0.00	404199.30	591452.19	
11400.00	90.00	179.46	7640.00	-4005.74	37.95	4005.92	0.00	404099.30	591453.14	
11500.00	90.00	179.46	7640.00	-4105.73	38.89	4105.92	0.00	403999.31	591454.08	
11600.00	90.00	179.46	7640.00	-4205.73	39.84	4205.92	0.00	403899.31	591455.03	
11700.00	90.00	179.46	7640.00	-4305.72	40.79	4305.92	0.00	403799.32	591455.98	
11800.00	90.00	179.46	7640.00	-4405.72	41.74	4405.92	0.00	403699.32	591456.93	
11900.00	90.00	179.46	7640.00	-4505.71	42.68	4505.92	0.00	403599.33	591457.87	
12000.00	90.00	179.46	7640.00	-4605.71	43.63	4605.92	0.00	403499.33	591458.82	
12039.99	90.00	179.46	7640.00	-4645.70	44.01	4645.91	0.00	403459.34	591459.20	PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
							Deg	Min	Sec	Deg	Min	Sec
PBHL		7640.00	-4645.70	44.01	403459.34	591459.20	32	6	32.700 N	104	10	17.242 W
-Rectangle (4072x50)												

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.



Weatherford

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

Date: 5/6/2013 Time: 08:15:52 Page: 3
Co-ordinate(NE) Reference: Well: Irritable 22 State Com 1H
Vertical (TVD) Reference: SITE 3096.0
Section (VS) Reference: Well (0.00N,0.00E,179.46Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Annotation

MD ft	TVD ft	
7067.04	7067.04	KOP
7967.04	7640.00	LP
12039.99	7640.00	PBHL

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

GeoDec v5.03

Report Date: May 03, 2013
Job Number: _____
Customer: Devon
Well Name: Irritable 22 State Com 1H
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 408105.040 USFT	Latitude 32.1218565 DEG
East/West 591415.190 USFT	Longitude -104.1715720 DEG
Grid Convergence: .09°	
Total Correction: +7.62°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.12186° N	32° 7 min 18.683 sec
Longitude =	104.17157° W	104° 10 min 17.659 sec

Magnetic Declination =	7.71°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6861
Local Field Strength =	48267 nT	Magnetic Vector X = 23998 nT
Magnetic Dip =	59.89°	Magnetic Vector Y = 3247 nT
Magnetic Model =	bggm2012	Magnetic Vector Z = 41752 nT
Spud Date =	Jul 15, 2013	Magnetic Vector H = 24217 nT

Signed: _____

Date: _____