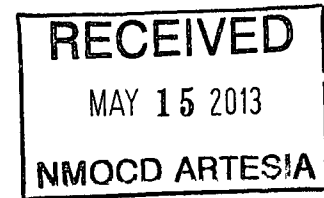




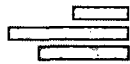
Weatherford®



Drilling Services

30-015-41362

Proposal



devon

IRRITABLE 22 STATE COM 4H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

MAY 6, 2013

Weatherford International, Ltd.

P.O. Box 61028
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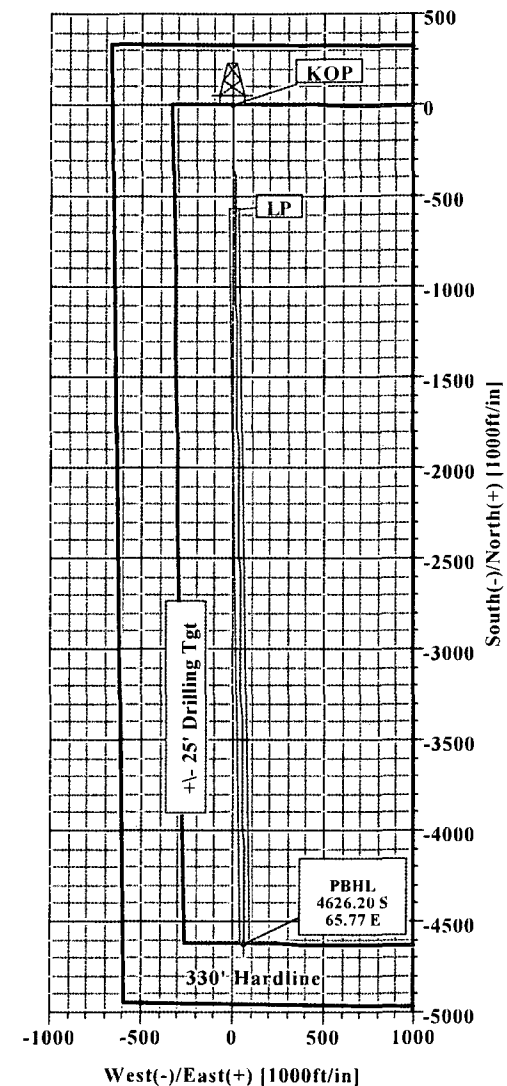
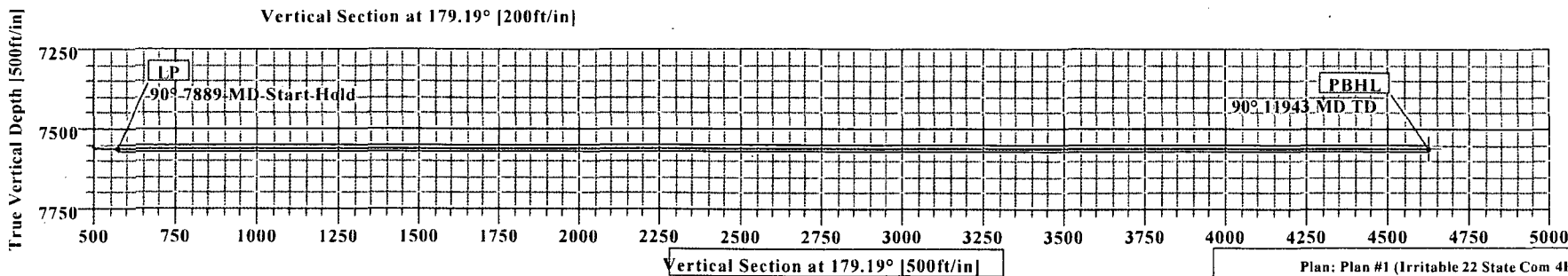
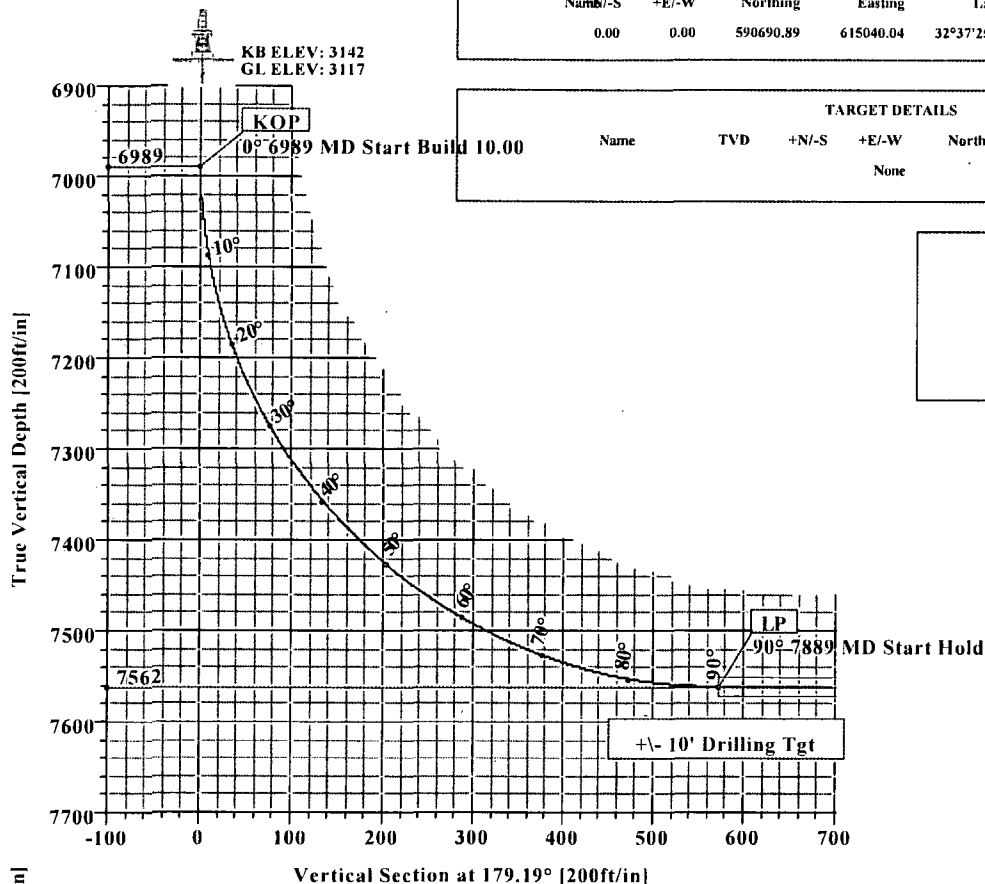
**Irritable 22 State Com 4H
Eddy Co., NM**

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	6989.04	0.00	179.19	6989.04	0.00	0.00	0.00	0.00	0.00	
3	7889.04	90.00	179.19	7562.00	-572.90	8.14	10.00	179.19	572.96	
4	11942.75	90.00	179.19	7562.00	-4626.20	65.77	0.00	0.00	4626.67	PBHL

WELL DETAILS						
Name/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	590690.89	615040.04	32°37'25.061N	104°05'38.198W	N/A

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

SITE DETAILS	
Jasper 32 State #3H	
Site Centre Northing:	590690.89
Easting:	615040.04
Ground Level:	3267.00
Positional Uncertainty:	0.00
Convergence:	0.13





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Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy Date: 5/6/2013 Time: 09:03:11 Page: 1
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Irritable 22 State Com 4H
Site: Irritable 22 State Com 4H Vertical (TVD) Reference: SITE 3142.0
Well: Irritable 22 State Com 4H 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 4H

Site Position: Northing: 408145.41 ft Latitude: 32 7 19.132 N
From: Map Easting: 587416.13 ft Longitude: 104 11 4.176 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3117.00 ft Grid Convergence: 0.08 deg

Well: Irritable 22 State Com 4H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 408145.41 ft Latitude: 32 7 19.132 N
+E/-W 0.00 ft Easting: 587416.13 ft Longitude: 104 11 4.176 W
Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 3142.00 ft Tie-on Depth: 0.00 ft
Magnetic Data: 9/15/2013 Above System Datum: Mean Sea Level
Field Strength: 48287 nT Declination: 7.58 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	
6989.04	0.00	179.19	6989.04	0.00	0.00	0.00	0.00	0.00	0.00	
7889.04	90.00	179.19	7562.00	-572.90	8.14	10.00	10.00	0.00	179.19	
11942.75	90.00	179.19	7562.00	-4626.20	65.77	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
6900.00	0.00	179.19	6900.00	0.00	0.00	0.00	0.00	408145.41	587416.13	
6989.04	0.00	179.19	6989.04	0.00	0.00	0.00	0.00	408145.41	587416.13	KOP
7000.00	1.10	179.19	7000.00	-0.10	0.00	0.10	10.00	408145.31	587416.13	
7100.00	11.10	179.19	7099.31	-10.71	0.15	10.71	10.00	408134.70	587416.28	
7200.00	21.10	179.19	7195.27	-38.40	0.55	38.40	10.00	408107.01	587416.68	
7300.00	31.10	179.19	7284.96	-82.32	1.17	82.33	10.00	408063.09	587417.30	
7400.00	41.10	179.19	7365.66	-141.16	2.01	141.17	10.00	408004.25	587418.14	
7500.00	51.10	179.19	7434.92	-213.11	3.03	213.13	10.00	407932.30	587419.16	
7600.00	61.10	179.19	7490.63	-295.99	4.21	296.02	10.00	407849.42	587420.34	
7700.00	71.10	179.19	7531.10	-387.29	5.51	387.33	10.00	407758.12	587421.64	
7800.00	81.10	179.19	7555.09	-484.22	6.88	484.27	10.00	407661.19	587423.01	
7889.04	90.00	179.19	7562.00	-572.90	8.14	572.96	10.00	407572.51	587424.27	LP
7900.00	90.00	179.19	7562.00	-583.86	8.30	583.92	0.00	407561.55	587424.43	
8000.00	90.00	179.19	7562.00	-683.85	9.72	683.92	0.00	407461.56	587425.85	
8100.00	90.00	179.19	7562.00	-783.84	11.14	783.92	0.00	407361.57	587427.27	
8200.00	90.00	179.19	7562.00	-883.83	12.57	883.92	0.00	407261.58	587428.70	
8300.00	90.00	179.19	7562.00	-983.82	13.99	983.92	0.00	407161.59	587430.12	
8400.00	90.00	179.19	7562.00	-1083.81	15.41	1083.92	0.00	407061.60	587431.54	
8500.00	90.00	179.19	7562.00	-1183.80	16.83	1183.92	0.00	406961.61	587432.96	
8600.00	90.00	179.19	7562.00	-1283.79	18.25	1283.92	0.00	406861.62	587434.38	
8700.00	90.00	179.19	7562.00	-1383.78	19.67	1383.92	0.00	406761.63	587435.80	
8800.00	90.00	179.19	7562.00	-1483.77	21.09	1483.92	0.00	406661.64	587437.22	
8900.00	90.00	179.19	7562.00	-1583.76	22.52	1583.92	0.00	406561.65	587438.65	



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Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy

Date: 5/6/2013

Time: 09:03:11

Page: 2

Field: Eddy Co., NM (NAD 83)

Co-ordinate(NE) Reference: Well: Irritable 22 State Com 4H

Site: Irritable 22 State Com 4H

Vertical (TVD) Reference: SITE 3142.0

Well: Irritable 22 State Com 4H

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
9000.00	90.00	179.19	7562.00	-1683.75	23.94	1683.92	0.00	406461.66	587440.07	
9100.00	90.00	179.19	7562.00	-1783.74	25.36	1783.92	0.00	406361.67	587441.49	
9200.00	90.00	179.19	7562.00	-1883.73	26.78	1883.92	0.00	406261.68	587442.91	
9300.00	90.00	179.19	7562.00	-1983.72	28.20	1983.92	0.00	406161.69	587444.33	
9400.00	90.00	179.19	7562.00	-2083.71	29.62	2083.92	0.00	406061.70	587445.75	
9500.00	90.00	179.19	7562.00	-2183.69	31.05	2183.92	0.00	405961.72	587447.18	
9600.00	90.00	179.19	7562.00	-2283.68	32.47	2283.92	0.00	405861.73	587448.60	
9700.00	90.00	179.19	7562.00	-2383.67	33.89	2383.92	0.00	405761.74	587450.02	
9800.00	90.00	179.19	7562.00	-2483.66	35.31	2483.92	0.00	405661.75	587451.44	
9900.00	90.00	179.19	7562.00	-2583.65	36.73	2583.92	0.00	405561.76	587452.86	
10000.00	90.00	179.19	7562.00	-2683.64	38.15	2683.92	0.00	405461.77	587454.28	
10100.00	90.00	179.19	7562.00	-2783.63	39.57	2783.92	0.00	405361.78	587455.70	
10200.00	90.00	179.19	7562.00	-2883.62	41.00	2883.92	0.00	405261.79	587457.13	
10300.00	90.00	179.19	7562.00	-2983.61	42.42	2983.92	0.00	405161.80	587458.55	
10400.00	90.00	179.19	7562.00	-3083.60	43.84	3083.92	0.00	405061.81	587459.97	
10500.00	90.00	179.19	7562.00	-3183.59	45.26	3183.92	0.00	404961.82	587461.39	
10600.00	90.00	179.19	7562.00	-3283.58	46.68	3283.92	0.00	404861.83	587462.81	
10700.00	90.00	179.19	7562.00	-3383.57	48.10	3383.92	0.00	404761.84	587464.23	
10800.00	90.00	179.19	7562.00	-3483.56	49.53	3483.92	0.00	404661.85	587465.66	
10900.00	90.00	179.19	7562.00	-3583.55	50.95	3583.92	0.00	404561.86	587467.08	
11000.00	90.00	179.19	7562.00	-3683.54	52.37	3683.92	0.00	404461.87	587468.50	
11100.00	90.00	179.19	7562.00	-3783.53	53.79	3783.92	0.00	404361.88	587469.92	
11200.00	90.00	179.19	7562.00	-3883.52	55.21	3883.92	0.00	404261.89	587471.34	
11300.00	90.00	179.19	7562.00	-3983.51	56.63	3983.92	0.00	404161.90	587472.76	
11400.00	90.00	179.19	7562.00	-4083.50	58.05	4083.92	0.00	404061.91	587474.18	
11500.00	90.00	179.19	7562.00	-4183.49	59.48	4183.92	0.00	403961.92	587475.61	
11600.00	90.00	179.19	7562.00	-4283.48	60.90	4283.92	0.00	403861.93	587477.03	
11700.00	90.00	179.19	7562.00	-4383.47	62.32	4383.92	0.00	403761.94	587478.45	
11800.00	90.00	179.19	7562.00	-4483.46	63.74	4483.92	0.00	403661.95	587479.87	
11900.00	90.00	179.19	7562.00	-4583.45	65.16	4583.92	0.00	403561.96	587481.29	
11942.75	90.00	179.19	7562.00	-4626.20	65.77	4626.67	0.00	403519.21	587481.90	PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ---->			<---- Longitude ---->		
PBHL		7562.00	-4626.20	65.77	403519.21	587481.90	32	6	33.349 N	104	11	3.486 W
-Rectangle (4053x50)												

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 4H
Well: Irritable 22 State Com 4H
Wellpath: 1

Date: 5/6/2013 Time: 09:03:11 Page: 3
Co-ordinate(NE) Reference: Well: Irritable 22 State Com 4H
Vertical (TVD) Reference: SITE 3142.0
Section (VS) Reference: Well (0.00N,0.00E,179.19Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Annotation

MD ft	TVD ft	
6989.04	6989.04	KOP
7889.04	7562.00	LP
11942.75	7562.00	PBHL

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

GeoDec v5.03

Report Date: May 03, 2013
Job Number: _____
Customer: Devon
Well Name: Irritable 22 State Com 4H
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 408145.410 USFT	Latitude 32.1219833 DEG
East/West 587416.130 USFT	Longitude -104.1844895 DEG
Grid Convergence: .08°	
Total Correction: +7.61°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.12198° N	32° 7 min 19.140 sec
Longitude =	104.18449° W	104° 11 min 4.162 sec

Magnetic Declination =	7.69°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6812
Local Field Strength =	48244 nT	Magnetic Vector X = 23993 nT
Magnetic Dip =	59.88°	Magnetic Vector Y = 3241 nT
Magnetic Model =	bggm2012	Magnetic Vector Z = 41729 nT
Spud Date =	Sep 15, 2013	Magnetic Vector H = 24211 nT

Signed: _____

Date: _____