

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

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 30-015-39037	² Pool Code 11520	³ Pool Name Cedar Canyon VALON; BONE SPRING
⁴ Property Code 32437	⁵ Property Name HB "2" STATE	
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁶ Well Number 7 H
		⁹ Elevation 3041.5

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	24 S	29 E		200	SOUTH	420	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

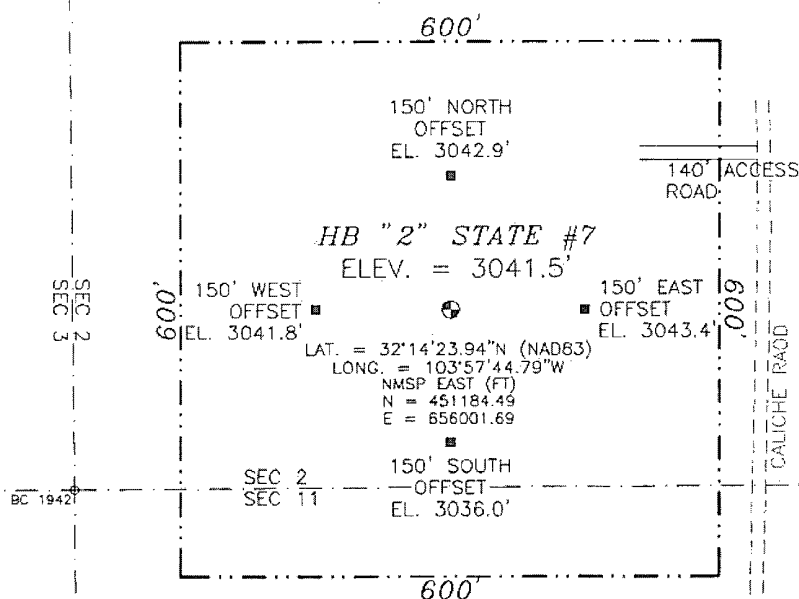
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	2	24 S	29 E		330	NORTH	420	WEST	EDDY

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

BOTTOM OF HOLE LAT. = 32°15'11.14"N (NAD83) LONG. = 103°57'45.14"W NMSP EAST (FT) N = 455954.35 E = 655955.19 NW CORNER SEC. 2 LAT. = 32°15'14.41"N LONG. = 103°57'50.06"W NMSP EAST (FT) N = 456283.42 E = 655531.95	NE CORNER SEC. 2 LAT. = 32°15'14.34"N LONG. = 103°56'48.26"W NMSP EAST (FT) N = 456295.38 E = 660837.83	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 undivided 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 Signature: <i>Judy A. Barnett</i> Date: 5/9/11 Printed Name: Judy A. Barnett Regulatory Specialist
SW CORNER SEC. 2 LAT. = 32°14'21.95"N LONG. = 103°57'49.67"W NMSP EAST (FT) N = 450982.48 E = 655583.57 HB "2" STATE #7 ELEV. = 3041.5 LAT. = 32°14'23.94"N (NAD83) LONG. = 103°57'44.79"W NMSP EAST (FT) N = 451184.49 E = 656001.69	RECEIVED MAY 10 2011 NMOCD ARTESIA SE CORNER SEC. 2 LAT. = 32°14'22.07"N LONG. = 103°56'47.88"W NMSP EAST (FT) N = 451012.17 E = 660891.44	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 NOVEMBER 12, 2010 Date of Survey Signature and Seal of Professional Surveyor: <i>[Signature]</i> Certificate Number: PLS 12797 SURVEY NO. 338

SECTION 2, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



020 100 200 400

SCALE 1" = 200'

DIRECTIONS TO LOCATION

FROM STATE HWY. 128 AND RAWHIDE (PAVED), GO SOUTH ON RAWHIDE 4.1 MILES, TURN RIGHT ON CALICHE LEASE ROAD AND GO WEST 3.6 MILES TO A "Y", STAY LEFT AND GO SOUTHEAST 1.0 MILES BEND RIGHT AND GO SOUTH 1.4 MILES BEND LEFT AND GO EAST 0.8 MILES BEND RIGHT AND GO SOUTHWEST THEN SOUTHEAST A TOTAL OF 1.75 MILES, TURN RIGHT AND GO WEST 0.7 MILES, TURN RIGHT AND GO NORTH 0.45 MILES, LOCATION IS ON THE LEFT 350'.

DEVON ENERGY PRODUCTION COMPANY, L.P.

HB "2" STATE #7

LOCATED 200 FT. FROM THE SOUTH LINE
AND 420 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 24 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

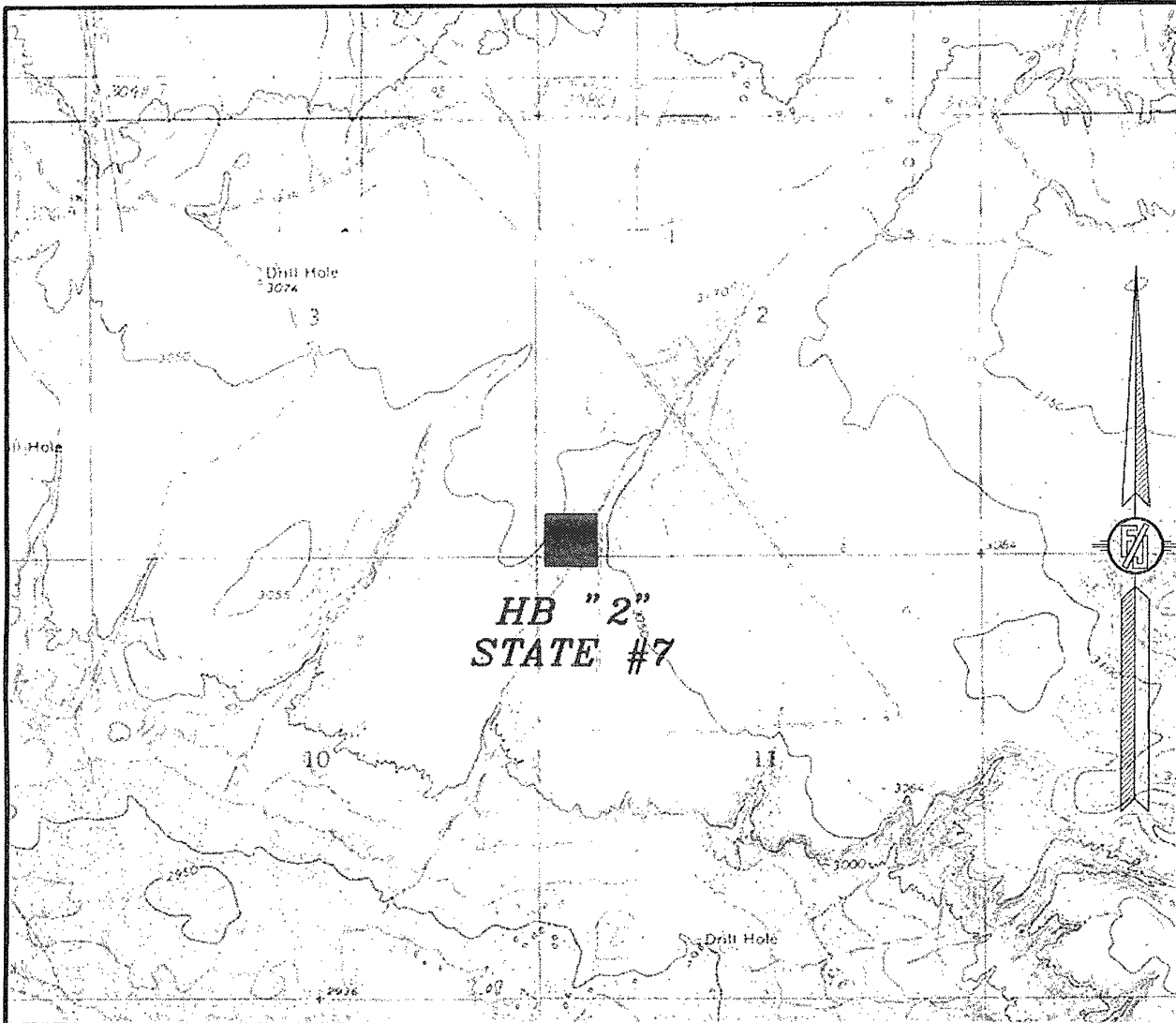
NOVEMBER 12, 2010

SURVEY NO. 338

MADRON SURVEYING, INC. 30' SOUTH CANAL (575) 867-2830 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

LOCATION VERIFICATION MAP



CONTOUR INTERVAL:
REMUDA BASIN
PIERICE CANYON

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

HB "2" STATE #7

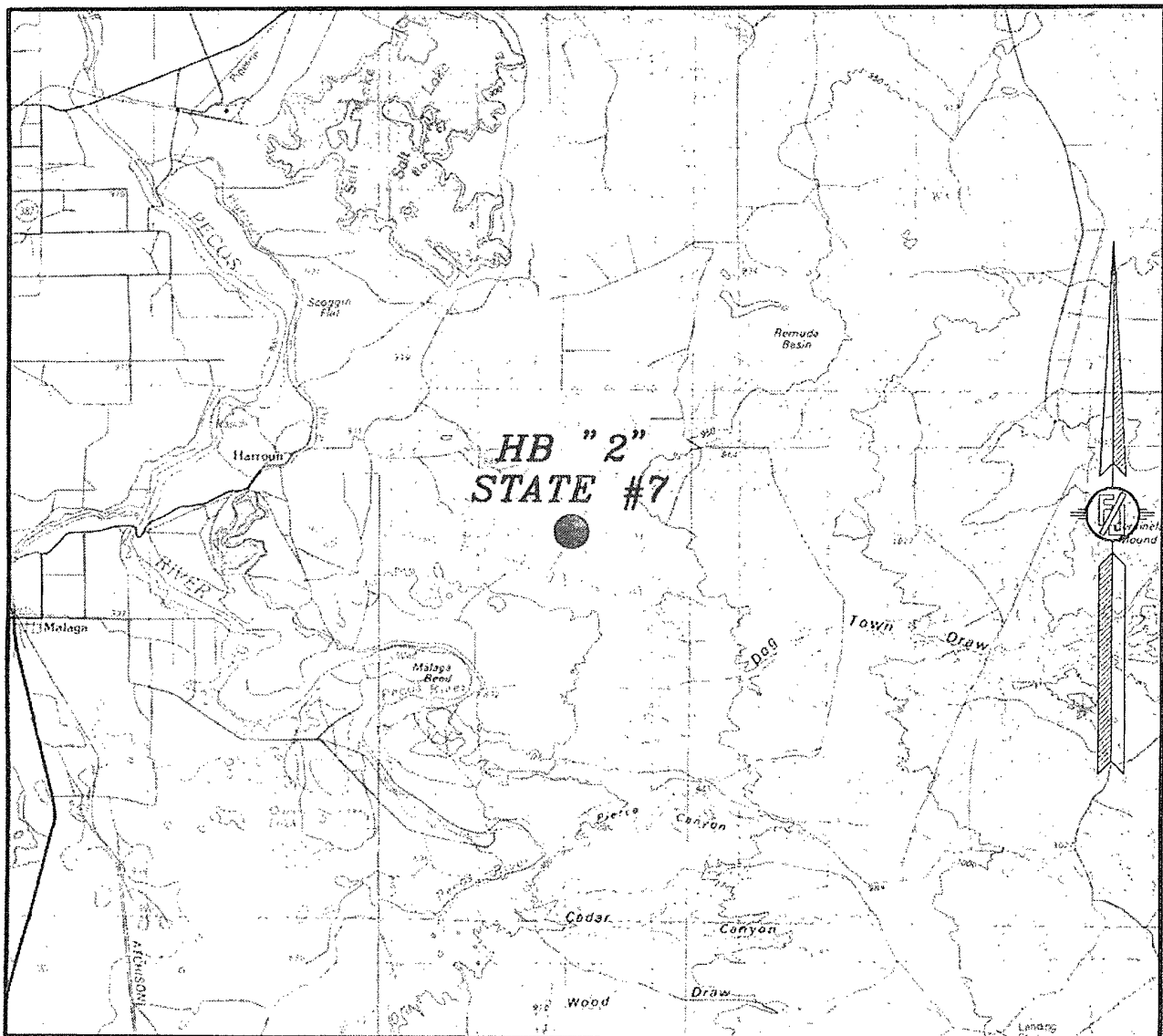
LOCATED 200 FT. FROM THE SOUTH LINE
AND 420 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 24 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

NOVEMBER 12, 2010

SURVEY NO. 338

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 857-5830

SECTION 2, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
HB "2" STATE #7
LOCATED 200 FT. FROM THE SOUTH LINE
AND 420 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 24 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

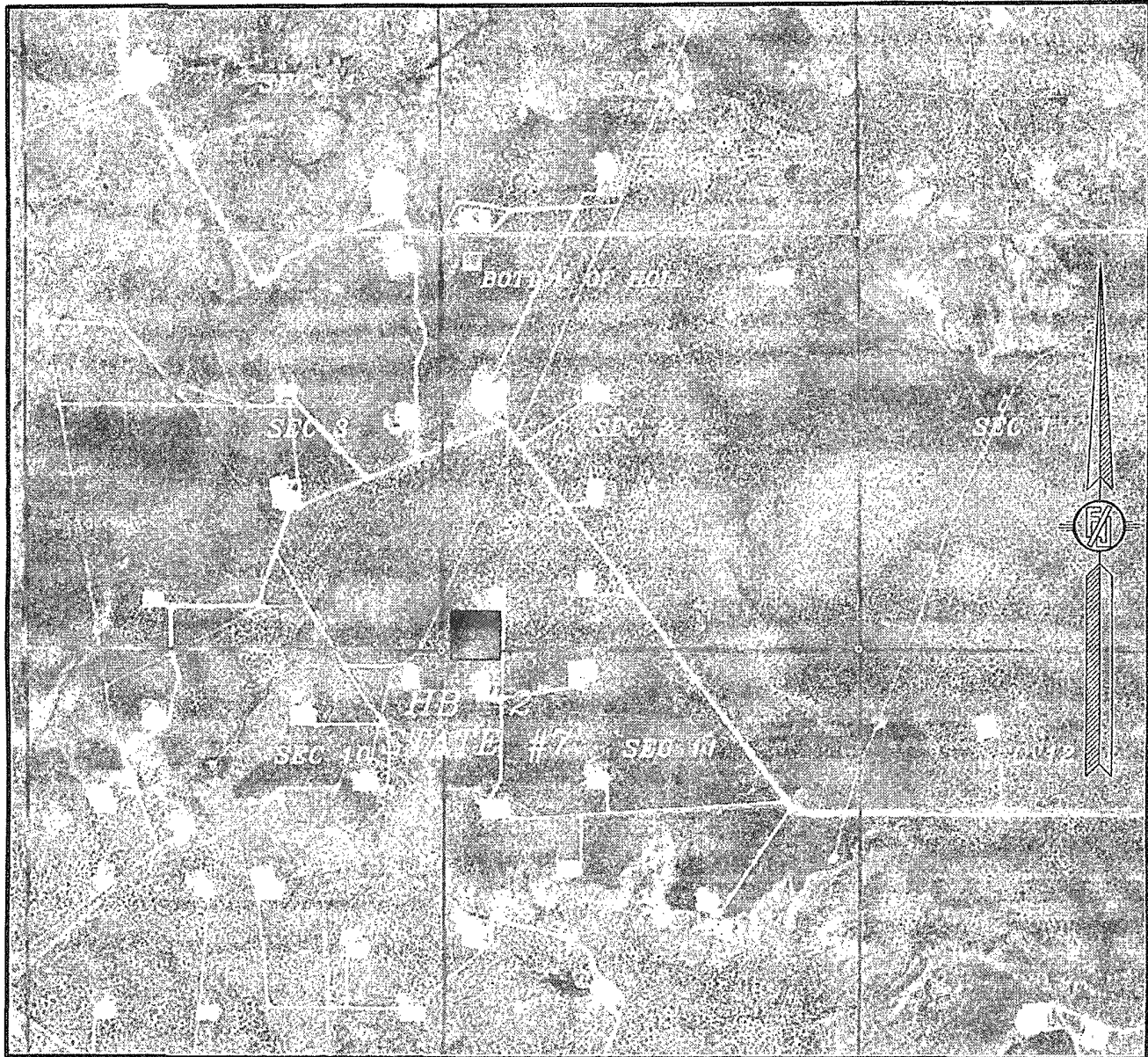
NOVEMBER 12, 2010

SURVEY NO. 338

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 587-5830 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
USDA - AUG, 2009

DEVON ENERGY PRODUCTION COMPANY, L.P.

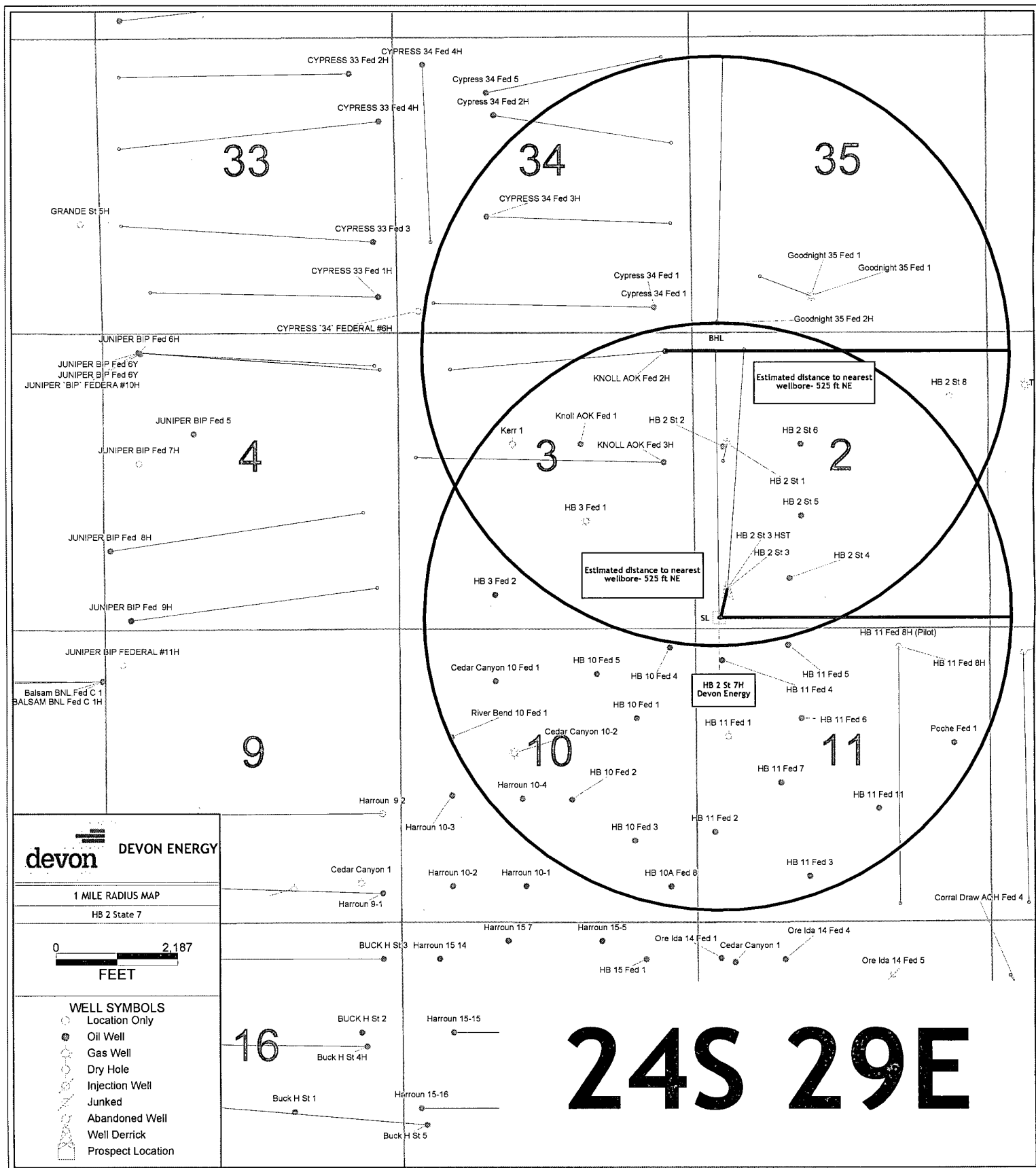
HB "2" STATE #7

LOCATED 200 FT. FROM THE SOUTH LINE
AND 420 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 24 SOUTH,
RANGE 29 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

NOVEMBER 12, 2010

SURVEY NO. 338

MADRON SURVEYING, INC. 501 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 887-5830





Weatherford

Drilling Services

Proposal

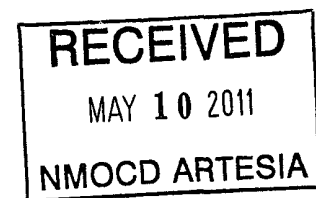


HB 2 STATE #7H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

MAY 5, 2011



Weatherford International, Ltd.

P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com

KB ELEV: 3067
GL ELEV: 3042

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	359.44	0.00	0.00	0.00	0.00	0.00	0.00	
2	6727.04	0.00	359.44	6727.04	0.00	0.00	0.00	0.00	0.00	
3	7627.04	90.00	359.44	7300.00	572.93	-5.59	10.00	359.44	572.96	
4	11824.17	90.00	359.44	7300.00	4769.86	-46.50	0.00	0.00	4770.09	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#7H	0.00	0.00	451184.49	656001.69	32°14'23.407N	103°57'44.897W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	7300.00	4769.86	-46.50	455954.35	655955.19	Point

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

HB 2 State #7H

Site Centre Northing: 451184.49
Easting: 656001.69
Ground Level: 3042.00
Positional Uncertainty: 0.00
Convergence: 0.20

LEGEND

Plan #1

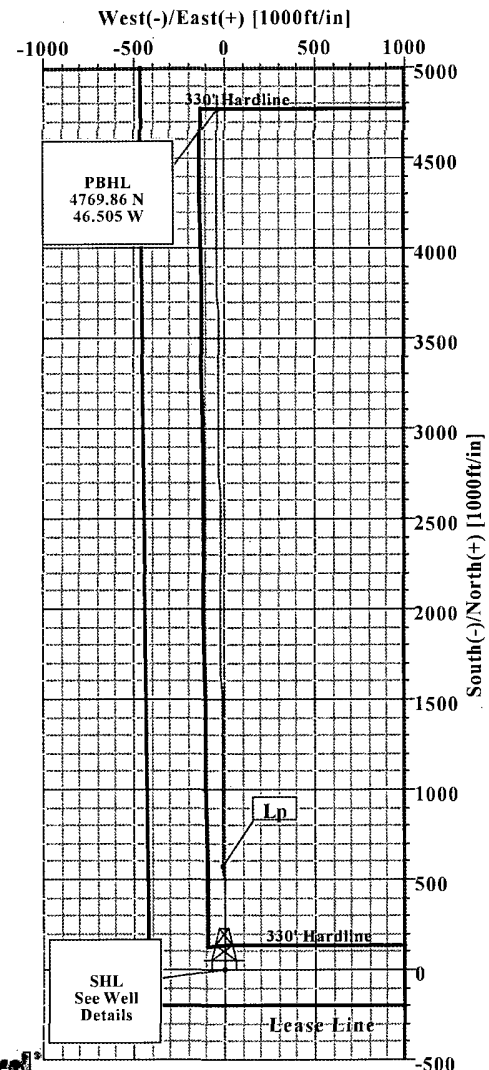
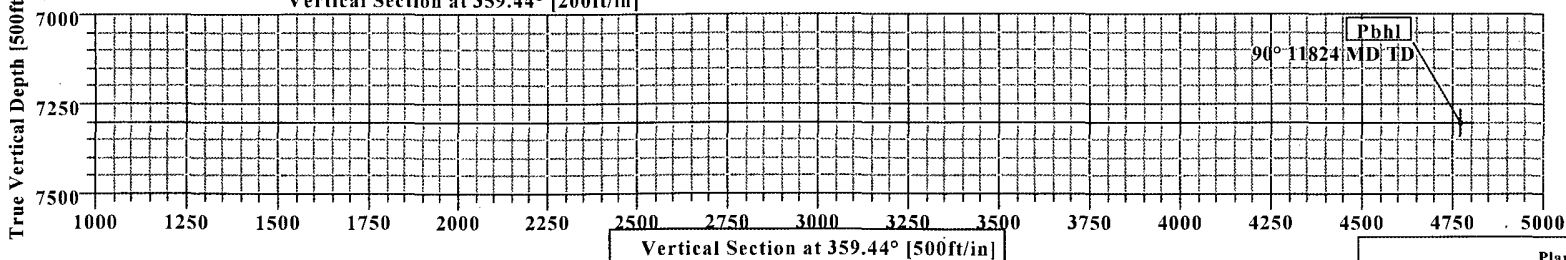
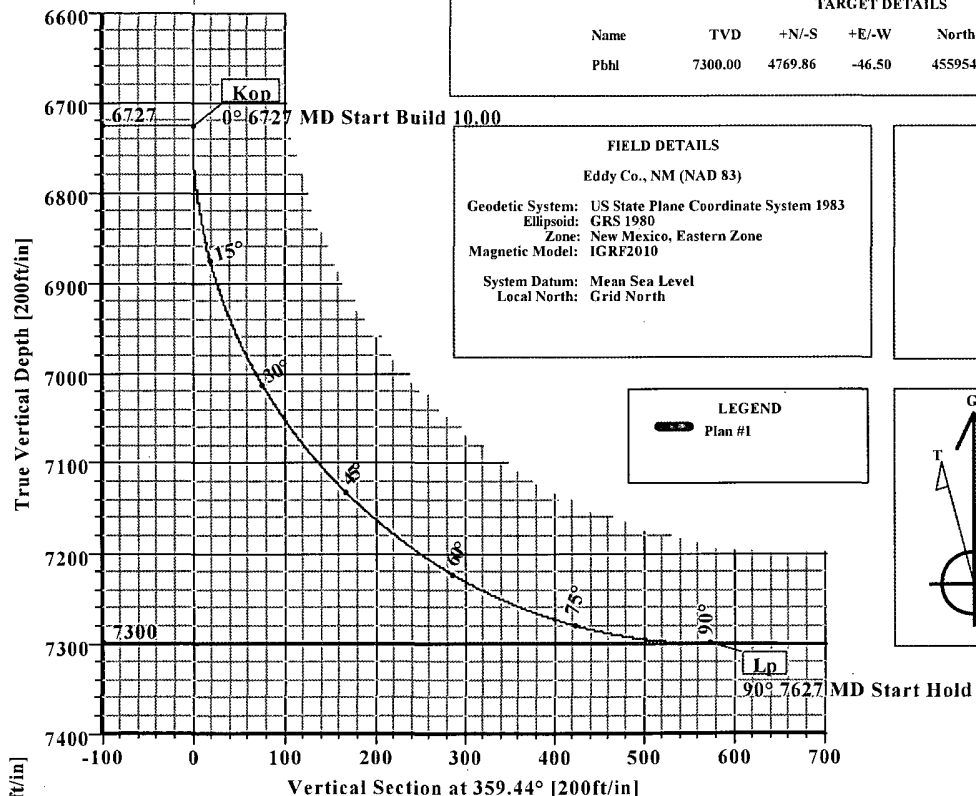


Azimuths to Grid North
True North: -0.20°
Magnetic North: 7.49°
Magnetic Field
Strength: 4854nT
Dip Angle: 60.12°
Date: 2/15/2012
Model: IGRF2010

Total Correction to Grid North: 7.49°



Weatherford



Plan: Plan #1 (#7H/1)

Created By: Russell W. Joyner

Date: 5/5/2011



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy	Date: 5/5/2011	Time: 14:21:05	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: #7H, Grid North		
Site: HB:2 State #7H	Vertical (TVD) Reference: SITE 3067.0		
Well: #7H	Section (VS) Reference: Well (0.00N,0.00E,359.44Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #1	Date Composed: 5/5/2011
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Eddy Co., NM (NAD 83)

Map System: US State Plane Coordinate System 1983	Map Zone: New Mexico, Eastern Zone
Geo Datum: GRS 1980	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: HB 2 State #7H

Site Position:	Northing: 451184.49 ft	Latitude: 32 14 23.407 N
From: Map	Easting: 656001.69 ft	Longitude: 103 57 44.897 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3042.00 ft		Grid Convergence: 0.20 deg

Well: #7H	Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 451184.49 ft	Latitude: 32 14 23.407 N
+E/-W 0.00 ft	Easting: 656001.69 ft	Longitude: 103 57 44.897 W
Position Uncertainty: 0.00 ft		

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 2/15/2012	Above System Datum: Mean Sea Level		
Field Strength: 48541 nT	Declination: 7.69 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.12 deg		
ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	359.44

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	359.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6727.04	0.00	359.44	6727.04	0.00	0.00	0.00	0.00	0.00	0.00	
7627.04	90.00	359.44	7300.00	572.93	-5.59	10.00	10.00	0.00	359.44	
11824.17	90.00	359.44	7300.00	4769.86	-46.50	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
6700.00	0.00	359.44	6700.00	0.00	0.00	0.00	0.00	451184.49	656001.69	
6727.04	0.00	359.44	6727.04	0.00	0.00	0.00	0.00	451184.49	656001.69	Kop
6800.00	7.30	359.44	6799.80	4.64	-0.05	4.64	10.00	451189.13	656001.64	
6900.00	17.30	359.44	6897.39	25.91	-0.25	25.91	10.00	451210.40	656001.44	
7000.00	27.30	359.44	6989.79	63.80	-0.62	63.80	10.00	451248.29	656001.07	
7100.00	37.30	359.44	7074.21	117.15	-1.14	117.16	10.00	451301.64	656000.55	
7200.00	47.30	359.44	7148.09	184.36	-1.80	184.37	10.00	451368.85	655999.89	
7300.00	57.30	359.44	7209.17	263.37	-2.57	263.39	10.00	451447.86	655999.12	
7400.00	67.30	359.44	7255.60	351.79	-3.43	351.81	10.00	451536.28	655998.26	
7500.00	77.30	359.44	7285.97	446.93	-4.36	446.95	10.00	451631.42	655997.33	
7600.00	87.30	359.44	7299.36	545.90	-5.32	545.93	10.00	451730.39	655996.37	
7627.04	90.00	359.44	7300.00	572.93	-5.59	572.96	10.00	451757.42	655996.10	Lp
7700.00	90.00	359.44	7300.00	645.88	-6.30	645.92	0.00	451830.37	655995.39	
7800.00	90.00	359.44	7300.00	745.88	-7.27	745.92	0.00	451930.37	655994.42	
7900.00	90.00	359.44	7300.00	845.88	-8.25	845.92	0.00	452030.37	655993.44	
8000.00	90.00	359.44	7300.00	945.87	-9.22	945.92	0.00	452130.36	655992.47	
8100.00	90.00	359.44	7300.00	1045.87	-10.20	1045.92	0.00	452230.36	655991.49	



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy Date: 5/5/2011 Time: 14:21:05 Page: 2
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: #7H, Grid North
Site: HB 2 State #7H Vertical (TVD) Reference: SITE 3067.0
Well: #7H Section (VS) Reference: Well (0.00N;0.00E;359.44Azi)
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
8200.00	90.00	359.44	7300.00	1145.86	-11.17	1145.92	0.00	452330.35	655990.52	
8300.00	90.00	359.44	7300.00	1245.86	-12.15	1245.92	0.00	452430.35	655989.54	
8400.00	90.00	359.44	7300.00	1345.85	-13.12	1345.92	0.00	452530.34	655988.57	
8500.00	90.00	359.44	7300.00	1445.85	-14.10	1445.92	0.00	452630.34	655987.59	
8600.00	90.00	359.44	7300.00	1545.84	-15.07	1545.92	0.00	452730.33	655986.62	
8700.00	90.00	359.44	7300.00	1645.84	-16.04	1645.92	0.00	452830.33	655985.65	
8800.00	90.00	359.44	7300.00	1745.83	-17.02	1745.92	0.00	452930.32	655984.67	
8900.00	90.00	359.44	7300.00	1845.83	-17.99	1845.92	0.00	453030.32	655983.70	
9000.00	90.00	359.44	7300.00	1945.82	-18.97	1945.92	0.00	453130.31	655982.72	
9100.00	90.00	359.44	7300.00	2045.82	-19.94	2045.92	0.00	453230.31	655981.75	
9200.00	90.00	359.44	7300.00	2145.81	-20.92	2145.92	0.00	453330.30	655980.77	
9300.00	90.00	359.44	7300.00	2245.81	-21.89	2245.92	0.00	453430.30	655979.80	
9400.00	90.00	359.44	7300.00	2345.80	-22.87	2345.92	0.00	453530.29	655978.82	
9500.00	90.00	359.44	7300.00	2445.80	-23.84	2445.92	0.00	453630.29	655977.85	
9600.00	90.00	359.44	7300.00	2545.79	-24.82	2545.92	0.00	453730.28	655976.87	
9700.00	90.00	359.44	7300.00	2645.79	-25.79	2645.92	0.00	453830.28	655975.90	
9800.00	90.00	359.44	7300.00	2745.79	-26.77	2745.92	0.00	453930.28	655974.92	
9900.00	90.00	359.44	7300.00	2845.78	-27.74	2845.92	0.00	454030.27	655973.95	
10000.00	90.00	359.44	7300.00	2945.78	-28.72	2945.92	0.00	454130.27	655972.97	
10100.00	90.00	359.44	7300.00	3045.77	-29.69	3045.92	0.00	454230.26	655972.00	
10200.00	90.00	359.44	7300.00	3145.77	-30.67	3145.92	0.00	454330.26	655971.02	
10300.00	90.00	359.44	7300.00	3245.76	-31.64	3245.92	0.00	454430.25	655970.05	
10400.00	90.00	359.44	7300.00	3345.76	-32.62	3345.92	0.00	454530.25	655969.07	
10500.00	90.00	359.44	7300.00	3445.75	-33.59	3445.92	0.00	454630.24	655968.10	
10600.00	90.00	359.44	7300.00	3545.75	-34.57	3545.92	0.00	454730.24	655967.12	
10700.00	90.00	359.44	7300.00	3645.74	-35.54	3645.92	0.00	454830.23	655966.15	
10800.00	90.00	359.44	7300.00	3745.74	-36.52	3745.92	0.00	454930.23	655965.17	
10900.00	90.00	359.44	7300.00	3845.73	-37.49	3845.92	0.00	455030.22	655964.20	
11000.00	90.00	359.44	7300.00	3945.73	-38.47	3945.92	0.00	455130.22	655963.22	
11100.00	90.00	359.44	7300.00	4045.72	-39.44	4045.92	0.00	455230.21	655962.25	
11200.00	90.00	359.44	7300.00	4145.72	-40.42	4145.92	0.00	455330.21	655961.27	
11300.00	90.00	359.44	7300.00	4245.71	-41.39	4245.92	0.00	455430.20	655960.30	
11400.00	90.00	359.44	7300.00	4345.71	-42.37	4345.92	0.00	455530.20	655959.32	
11500.00	90.00	359.44	7300.00	4445.70	-43.34	4445.92	0.00	455630.19	655958.35	
11600.00	90.00	359.44	7300.00	4545.70	-44.31	4545.92	0.00	455730.19	655957.38	
11700.00	90.00	359.44	7300.00	4645.69	-45.29	4645.92	0.00	455830.18	655956.40	
11800.00	90.00	359.44	7300.00	4745.69	-46.26	4745.92	0.00	455930.18	655955.43	
11824.17	90.00	359.44	7300.00	4769.86	-46.50	4770.09	0.00	455954.35	655955.19	Pbhl

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
Pbhl			7300.00	4769.86	-46.50	455954.35	655955.19	32 15 10.610 N	103 57 45.247 W

Casing Points

MD	TVD	Diameter	Hole Size	Name



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company:	Devon Energy	Date:	5/5/2011	Time:	14:21:05	Page:	3
Field:	Eddy Co. NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #7H, Grid North				
Site:	HB 2 State #7H	Vertical (TVD) Reference:	SITE 3067.0				
Well:	#7H	Section (VS) Reference:	Well (0.00N;0.00E,359.44Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature				Db: Sybase

Annotation

MD ft	TVD ft	
6727.04	6727.04	Kop
7627.04	7300.00	Lp
11824.17	7300.00	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

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

GeoDec v5.03

Report Date: May 05, 2011

Job Number: _____

Customer: Devon Energy

Well Name: HB 2 State #7H

API Number: _____

Rig Name: _____

Location: Eddy Co., NM

Block: _____

Engineer: RWJ

US State Plane 1983

System: New Mexico Eastern Zone

Projection: Transverse Mercator/Gauss Kruger

Datum: North American Datum 1983

Ellipsoid: GRS 1980

North/South 451184.490 USFT

East/West 656001.690 USFT

Grid Convergence: .20°

Total Correction: +7.49°

Geodetic Latitude / Longitude

System: Latitude / Longitude

Projection: Geodetic Latitude and Longitude

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Latitude 32.2398378 DEG

Longitude -103.9624671 DEG

Geodetic Location WGS84

Elevation = 0.0 Meters

Latitude = 32.23984° N 32° 14 min 23.416 sec

Longitude = 103.96247° W 103° 57 min 44.882 sec

Magnetic Declination = 7.69° [True North Offset]

Local Gravity = .9988 g CheckSum = 6588

Local Field Strength = 48537 nT Magnetic Vector X = 23965 nT

Magnetic Dip = 60.12° Magnetic Vector Y = 3234 nT

Magnetic Model = IGRF-2010g11 Magnetic Vector Z = 42084 nT

Spud Date = Feb 15, 2012 Magnetic Vector H = 24182 nT

Signed: _____

Date: _____