

District I
1625 N. French Dr., Hobbs, NM
88240

District II
1301 W. Grand Avenue, Artesia,
NM 88210

District III
1000 Rio Brazos Road, Aztec,
NM 87410

District IV
1220 S. St. Francis Dr., Santa
Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources

Form C-101
June 16, 2008

Oil Conservation Division
1220 South St. Francis Dr.
NM 87505

Submit to appropriate
District Office

☐ AMENDED REPORT

RECEIVED

FEB 03 2010

HOBBSOCD

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR
ADD A ZONE

1 Operator Name and Address Devon Energy Production Company, LP 20 North Broadway, Oklahoma City, Oklahoma 73102						2 OGRID Number 6137					
3 Property Code 30862						5 Property Name Falcon 32 State				3 API Number 30 - 025-39661	
9 Proposed Pool 1 Sand Dunes Bone Spring South						10 Proposed Pool 2					
7 Surface Location											
UL or lot no. M	Sect ion 32	Town ship 23S	Range 32E	Lot Idn	Feet from the 351	North/S outh line South	Feet from the 842	East/We st line West	County Lea		
8 Proposed Bottom Hole Location If Different From Surface											
UL or lot no. D	Sect ion 32	Town ship 23S	Range 32E	Lot Idn	Feet from the 330	North/S outh line North	Feet from the 400	East/We st line West	County Lea		
Additional Well Information											
11 Work Type Code N		12 Well Type Code O		13 Cable/Rotary R		14 Lease Type Code S		15 Ground Level Elevation 3607			
16 Multiple No		17 Proposed Depth 12,720'		18 Formation Bone Spring		19 Contractor H&P Rig 214		20 Spud Date 2/25/10			

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	0 - 1050'	1080	0'
12 1/4"	9 5/8"	36#	0 - 3000'	See below	See below
12 1/4"	9 5/8"	40#	3000'-4650'	1600	0'
8 3/4"	5 1/2"	17#	0 - 7,700'	See below	See below
8 3/4"	5 1/2"	17#	7700'-12720'	2 stage; 2500	4150'

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Blowout prevention program is described in attached Drilling Plan.

Permit Expires 2 Years From Approval

Date Unless Drilling Underway

OIL CONSERVATION DIVISION

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:



Printed name: Norvella Adams

Title: Sr. Staff Engineering Technician

Approved by:

Title:

PETROLEUM ENGINEER

Approval Date:

FEB 04 2010

Expiration Date:

E-mail Address: norvella.adams@dvnm.com

Date: February 2, 2010

Phone: (405) 552-8198

Conditions of Approval Attached ☐

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State of New Mexico
Energy, Minerals and Natural Resources Department

CONSERVATION DIVISION

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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-39661	Pool Code 53805	Pool Name Sand Dunes Bone Spring South
Property Code 30862	Property Name FALCON "32" STATE	Well Number 5Y-H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY LP	Elevation 3607'

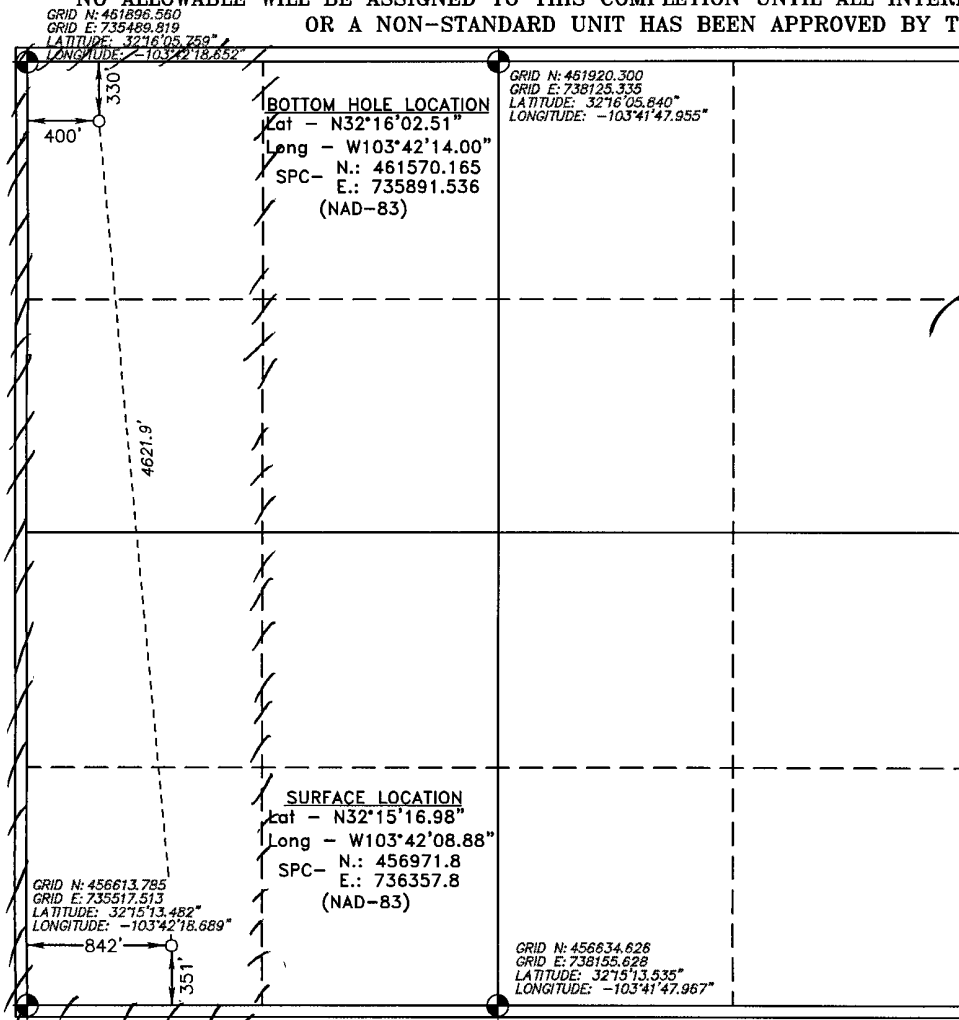
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	23 S	32 E		351	SOUTH	842	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
D	32	23 S	32 E		330	NORTH	400	WEST	LEA
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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



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 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.

Norvella Adams 2/2/10
Signature Date

Norvella Adams

Printed Name

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.

JANUARY 28, 2010

Date Surveyed

Signature of State Professional Surveyor

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

RECEIVED**FEB 03 2010****HOBBSOCD****FALCON 32 STATE 5Y-H DRILLING PLAN****Casing Program**

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
17-1/2"	0 – 1,050	13-3/8"	0 – 1,050	48#	STC	H-40
12-1/4"	1,050 – 3,000	9-5/8"	0 – 3,000	36#	LTC	J-55
12-1/4"	3,000 – 4,650	9-5/8"	3,000 – 4,650	40#	LTC	J-55
8-3/4"	4,650 – 7,700	5-1/2"	0 – 7,700	17#	LTC	N-80
8-3/4"	7,700 – 12,720	5-1/2"	7,700 – 12,720	17#	BTC	N-80

Mud Program:

<u>Depth</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>Fluid Loss</u>	<u>Type System</u>
0 – 1,050	8.4 – 9.0	30 – 34	N/C	FW
1,050 – 4,650	9.8 – 10.0	28 – 32	N/C	Brine
4,650 – 12,720	8.6 – 9.0	28 – 32	NC -12	FW

Pressure Control Equipment:

The BOP system used to drill the intermediate hole will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 3M system prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" 5M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 5M system prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP.

Cementing Program

13-3/8" Surface

Lead: 830 sacks Class C Cement + 2% bwow Sodium Chloride + 0 125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81 4% Fresh Water, 13 5 ppg

Yield: 1 75 cf/sk

TOC @ surface

Tail: 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56 3% Fresh Water, 14 8 ppg

Yield: 1 35 cf/sk

9-5/8" Intermediate

Lead: 1,300 sacks (35-65) Poz (Fly Ash).Class C Cement + 5% bwow Sodium Chloride + 0 125 lbs/sack Cello Flake + 6% bwoc Bentonite + 107 8% Fresh Water, 12 5 ppg

Yield: 2.04 cf/sk

TOC @ surface

Tail: 300 sacks 60-40 Poz + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64 7% Water, 13 8 ppg

Yield: 1 37 cf/sk

5-1/2" Production

1st Stage

Lead: 1,500 sacks (50-50) Poz (Fly Ash).Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 2% bwoc Bentonite + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 58.3% Fresh Water, 14.2 ppg

Yield: 1 31 cf/sk

DV TOOL at ~7,500 ft

2nd Stage

Lead: 600 sacks (35 65) Poz (Fly Ash).Class C Cement + 1% bwow Sodium Chloride + 0 125 lbs/sack Cello Flake + 6% bwoc Bentonite + 0 4% bwoc FL-52A + 103 2% Fresh Water, 12.5 ppg

Yield: 1 96 cf/sk

TOC @ surface

Tail: 400 sacks (60-40) Poz (Fly Ash) Class C Cement + 1% bwow Sodium Chloride + 0 2% bwoc R-3 + 0 125 lbs/sack Cello Flake + 0 5% bwoc BA-10A + 4% bwoc MPA-5 + 63 2% Fresh Water, 13 8 ppg

Yield: 1.34 cf/sk

TOC for All Strings:

Surface:	0'
Intermediate:	0'
Production:	4,150'

ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.



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FEB 03 2010
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Drilling Services

Proposal



devon

FALCON 32 STATE #5Y-H

LEA COUNTY, NM

WELL FILE: **PLAN 2**

JANUARY 29, 2010

Weatherford International, Ltd.

P.O. Box 61028

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www.weatherford.com

devon

FALCON 32 STATE #5Y-H
LEA CO., NEW MEXICO

Rig H&P 214

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	354.21	0.00	0.00	0.00	0.00	0.00	0.00	
2	7771.04	0.00	354.21	7771.04	0.00	0.00	0.00	0.00	0.00	
3	8671.04	90.00	354.21	8344.00	570.03	-57.80	10.00	354.21	572.96	
4	12720.03	90.00	354.21	8344.00	4598.37	-466.26	0.00	0.00	4621.94	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Falcon 32 State #5H	0.00	0.00	456971.80	736357.80	32°15'16.967N	103°42'08.897W	N/A

TARGET DETAILS

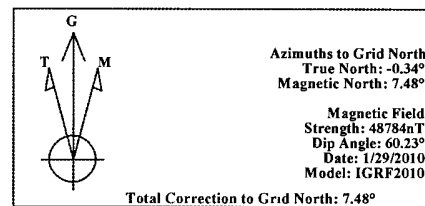
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	8344.00	4598.36	-466.26	461570.16	735891.54	Point

FIELD DETAILS

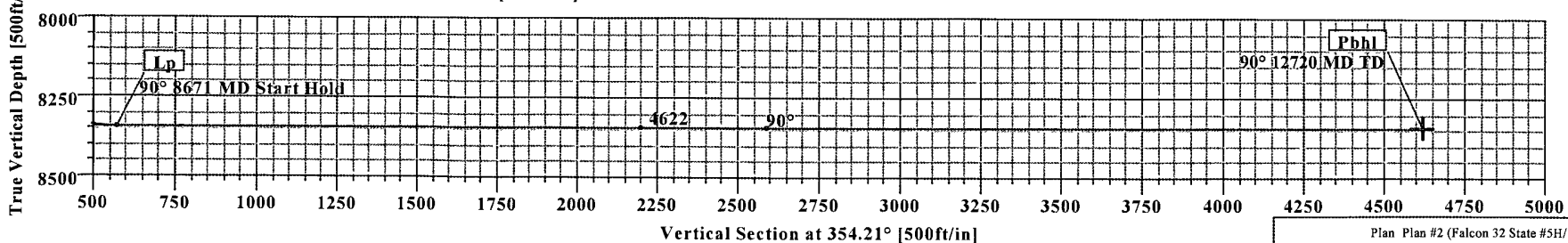
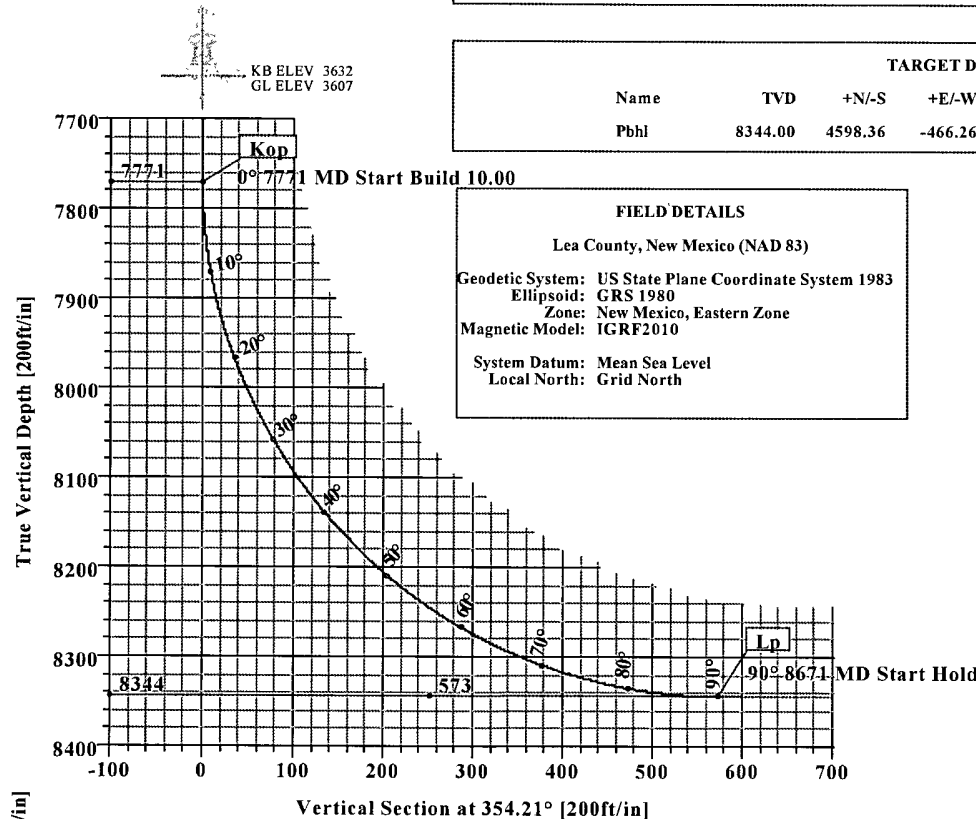
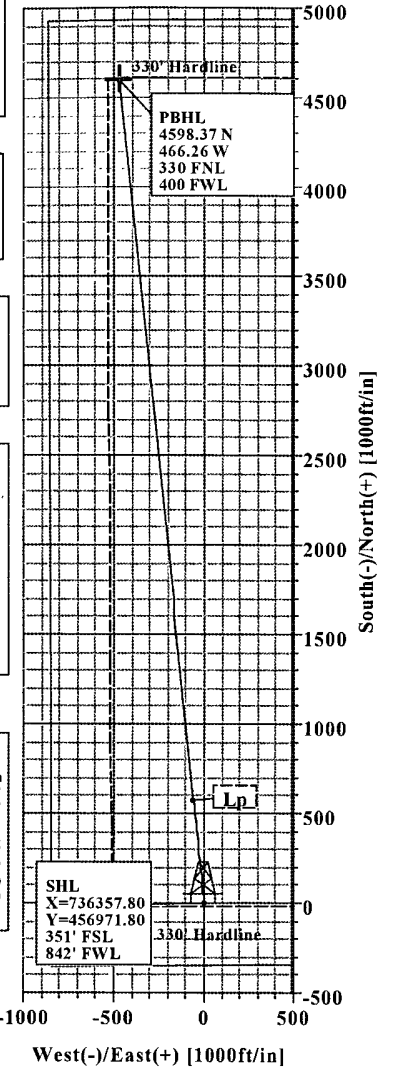
Lea County, New Mexico (NAD 83)
Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Falcon 32 State #5Y-H
Site Centre Northing: 456971.80
Easting: 736357.80
Ground Level: 3607.00
Positional Uncertainty: 0.00
Convergence: 0.34



VERTICAL SECTION 354.21° Az



Plan Plan #2 (Falcon 32 State #5H/1)

Created By Russell W Joyner

Date 1/29/2010



Weatherford International Ltd.

WFT Plan Report - Geographic



Company: Devon Energy Date: 1/29/2010 Time: 13:36:45 Page: 1
Field: Lea County, New Mexico (NAD 83) Co-ordinate(NE) Reference: Well: Falcon 32 State #5H, Grid North
Site: Falcon 32 State #5Y-H Vertical (TVD) Reference: SITE 3632.0
Well: Falcon 32 State #5H Section (V/S) Reference: Well (0.00N,0.00E;354.21Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Start Date:

Company: Engineer:
Tool: Tied-to:

Field: Lea County, New Mexico (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010

Site: Falcon 32 State #5Y-H

Site Position: Northing: 456971.80 ft Latitude: 32 15 16.967 N
From: Map Easting: 736357.80 ft Longitude: 103 42 8.897 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3607.00 ft Grid Convergence: 0.34 deg

Well: Falcon 32 State #5H Slot Name:

Well Position: +N/-S 0.00 ft Northing: 456971.80 ft Latitude: 32 15 16.967 N
+E/-W 0.00 ft Easting: 736357.80 ft Longitude: 103 42 8.897 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Current Datum: SITE Height 3632.00 ft Drilled From: Surface
Magnetic Data: 1/29/2010 Tie-on Depth: 0.00 ft
Field Strength: 48784 nT Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD) +N/-S Declination: 7.82 deg
ft +E/-W Mag Dip Angle: 60.23 deg
ft ft Direction
deg
0.00 0.00 0.00 354.21

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	354.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7771.04	0.00	354.21	7771.04	0.00	0.00	0.00	0.00	0.00	0.00	
8671.04	90.00	354.21	8344.00	570.03	-57.80	10.00	10.00	0.00	354.21	
12720.03	90.00	354.21	8344.00	4598.37	-466.26	0.00	0.00	0.00	0.00	Pbhl

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
7700.00	0.00	354.21	7700.00	0.00	0.00	0.00	0.00	456971.80	736357.80	Kop
7771.04	0.00	354.21	7771.04	0.00	0.00	0.00	0.00	456971.80	736357.80	
7800.00	2.90	354.21	7799.99	0.73	-0.07	0.73	10.00	456972.53	736357.73	
7900.00	12.90	354.21	7898.91	14.38	-1.46	14.45	10.00	456986.18	736356.34	
8000.00	22.90	354.21	7993.95	44.91	-4.55	45.14	10.00	457016.71	736353.25	
8100.00	32.90	354.21	8082.22	91.40	-9.27	91.87	10.00	457063.20	736348.53	Lp
8200.00	42.90	354.21	8161.04	152.43	-15.46	153.21	10.00	457124.23	736342.34	
8300.00	52.90	354.21	8228.00	226.15	-22.93	227.31	10.00	457197.95	736334.87	
8400.00	62.90	354.21	8281.08	310.32	-31.47	311.91	10.00	457282.12	736326.33	
8500.00	72.90	354.21	8318.66	402.38	-40.80	404.44	10.00	457374.18	736317.00	
8600.00	82.90	354.21	8339.60	499.54	-50.65	502.10	10.00	457471.34	736307.15	
8671.04	90.00	354.21	8344.00	570.03	-57.80	572.96	10.00	457541.83	736300.00	
8700.00	90.00	354.21	8344.00	598.85	-60.72	601.92	0.00	457570.65	736297.08	
8800.00	90.00	354.21	8344.00	698.33	-70.81	701.92	0.00	457670.13	736286.99	
8900.00	90.00	354.21	8344.00	797.82	-80.90	801.92	0.00	457769.62	736276.90	
9000.00	90.00	354.21	8344.00	897.31	-90.99	901.92	0.00	457869.11	736266.81	



Weatherford International Ltd.

WFT Plan Report - Geographic

**Weatherford**

Company: Devon Energy Date: 1/29/2010 Time: 13:36:45 Page: 2
Field: Lea County, New Mexico (NAD 83) Co-ordinate(NE) Reference: Well: Falcon 32 State #5H; Grid North
Site: Falcon 32 State #5Y-H Vertical (TVD) Reference: SITE 3632.0
Well: Falcon 32 State #5H Section (VS) Reference: Well (0.00N,0.00E;354.21Azi)
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	354.21	8344.00	996.80	-101.07	1001.92	0.00	457968.60	736256.73	
9200.00	90.00	354.21	8344.00	1096.29	-111.16	1101.92	0.00	458068.09	736246.64	
9300.00	90.00	354.21	8344.00	1195.78	-121.25	1201.92	0.00	458167.58	736236.55	
9400.00	90.00	354.21	8344.00	1295.27	-131.34	1301.92	0.00	458267.07	736226.46	
9500.00	90.00	354.21	8344.00	1394.76	-141.43	1401.92	0.00	458366.56	736216.37	
9600.00	90.00	354.21	8344.00	1494.25	-151.51	1501.92	0.00	458466.05	736206.29	
9700.00	90.00	354.21	8344.00	1593.74	-161.60	1601.92	0.00	458565.54	736196.20	
9800.00	90.00	354.21	8344.00	1693.23	-171.69	1701.92	0.00	458665.03	736186.11	
9900.00	90.00	354.21	8344.00	1792.72	-181.78	1801.92	0.00	458764.52	736176.02	
10000.00	90.00	354.21	8344.00	1892.21	-191.87	1901.92	0.00	458864.01	736165.93	
10100.00	90.00	354.21	8344.00	1991.70	-201.95	2001.92	0.00	458963.50	736155.85	
10200.00	90.00	354.21	8344.00	2091.19	-212.04	2101.92	0.00	459062.99	736145.76	
10300.00	90.00	354.21	8344.00	2190.68	-222.13	2201.92	0.00	459162.48	736135.67	
10400.00	90.00	354.21	8344.00	2290.17	-232.22	2301.92	0.00	459261.97	736125.58	
10500.00	90.00	354.21	8344.00	2389.66	-242.31	2401.92	0.00	459361.46	736115.49	
10600.00	90.00	354.21	8344.00	2489.15	-252.39	2501.92	0.00	459460.95	736105.41	
10700.00	90.00	354.21	8344.00	2588.64	-262.48	2601.92	0.00	459560.44	736095.32	
10800.00	90.00	354.21	8344.00	2688.13	-272.57	2701.92	0.00	459659.93	736085.23	
10900.00	90.00	354.21	8344.00	2787.62	-282.66	2801.92	0.00	459759.42	736075.14	
11000.00	90.00	354.21	8344.00	2887.11	-292.75	2901.92	0.00	459858.91	736065.05	
11100.00	90.00	354.21	8344.00	2986.60	-302.83	3001.92	0.00	459958.40	736054.97	
11200.00	90.00	354.21	8344.00	3086.09	-312.92	3101.92	0.00	460057.89	736044.88	
11300.00	90.00	354.21	8344.00	3185.58	-323.01	3201.92	0.00	460157.38	736034.79	
11400.00	90.00	354.21	8344.00	3285.07	-333.10	3301.92	0.00	460256.87	736024.70	
11500.00	90.00	354.21	8344.00	3384.56	-343.19	3401.92	0.00	460356.36	736014.61	
11600.00	90.00	354.21	8344.00	3484.05	-353.28	3501.92	0.00	460455.85	736004.52	
11700.00	90.00	354.21	8344.00	3583.54	-363.36	3601.92	0.00	460555.34	735994.44	
11800.00	90.00	354.21	8344.00	3683.03	-373.45	3701.92	0.00	460654.83	735984.35	
11900.00	90.00	354.21	8344.00	3782.52	-383.54	3801.92	0.00	460754.32	735974.26	
12000.00	90.00	354.21	8344.00	3882.01	-393.63	3901.92	0.00	460853.81	735964.17	
12100.00	90.00	354.21	8344.00	3981.50	-403.72	4001.92	0.00	460953.30	735954.08	
12200.00	90.00	354.21	8344.00	4080.99	-413.80	4101.92	0.00	461052.79	735944.00	
12300.00	90.00	354.21	8344.00	4180.48	-423.89	4201.92	0.00	461152.28	735933.91	
12400.00	90.00	354.21	8344.00	4279.97	-433.98	4301.92	0.00	461251.77	735923.82	
12500.00	90.00	354.21	8344.00	4379.46	-444.07	4401.92	0.00	461351.26	735913.73	
12600.00	90.00	354.21	8344.00	4478.95	-454.16	4501.92	0.00	461450.75	735903.64	
12700.00	90.00	354.21	8344.00	4578.44	-464.24	4601.92	0.00	461550.24	735893.56	
12720.03	90.00	354.21	8344.00	4598.37	-466.26	4621.94	0.00	461570.17	735891.54	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			8344.00	4598.36	-466.26	461570.16	735891.54	32 16 2.497 N	103 42 14.013 W

Casing Points

MD	TVD	Diameter	Hole Size	Name



Weatherford International Ltd.
WFT Plan Report - Geographic



Weatherford

Company:	Devon Energy	Date:	1/29/2010	Time:	13:36:45	Page:	3
Field:	Lea County, New Mexico (NAD 83)	Co-ordinate(NE) Reference:	Well: Falcon 32 State #5H	Grid:	North		
Site:	Falcon 32 State #5Y-H	Vertical (TVD) Reference:	SITE 3632.0				
Well:	Falcon 32 State #5H	Section (VS) Reference:	Well (0.00N,0.00E,354.21Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

Annotation

MD ft	TVD ft	
7771.04	7771.04	Kop
8671.04	8344.00	Lp
12720.02	8344.00	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

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

GeoDec v5.03

Report Date: January 29, 2010
Job Number: _____
Customer: Devon Energy
Well Name: Falcon 32 State 5Y-H
API Number: _____
Rig Name: _____
Location: Lea County, NM
Block: _____
Engineer: R Joyner

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 456971.800 USFT	Latitude 32.2547156 DEG
East/West 736357.800 USFT	Longitude -103.7024666 DEG
Grid Convergence: .34°	
Total Correction: +7.48°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.25472° N	32° 15 min 16.976 sec
Longitude =	103.70247° W	103° 42 min 8.880 sec

Magnetic Declination =	7.82°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6600
Local Field Strength =	48780 nT	Magnetic Vector X = 23997 nT
Magnetic Dip =	60.23°	Magnetic Vector Y = 3295 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42341 nT
Spud Date =	Jan 29, 2010	Magnetic Vector H = 24223 nT

Signed: _____

Date: _____