

HOBBS OCD

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

FEB 06 2013

RECEIVED

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 August 1, 2011.
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-40985		² Pool Code 96660	³ Pool Name BERRY; BONE SPRING, SOUTH
⁴ Property Code 39329	⁵ Property Name PENNY PACKER "17" STATE		⁶ Well Number 2H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3742.1

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
P	17	21 S	34 E		330	SOUTH	660	EAST	LEA

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
A	17	21 S	34 E		330	NORTH	660	EAST	LEA

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

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.

S89°19'55"W 2642.52 FT NW CORNER SEC. 17 LAT. = 32.4860857°N LONG. = 103.5005857°W NMSP EAST (FT) N = 541571.06 E = 798112.03		S89°20'25"W 2640.12 FT N O CORNER SEC. 17 LAT. = 32.4861134°N LONG. = 103.4920180°W NMSP EAST (FT) N = 541601.87 E = 800753.85		NE CORNER SEC. 17 LAT. = 32.4861395°N LONG. = 103.4834580°W NMSP EAST (FT) N = 541632.27 E = 803393.28	
W O CORNER SEC. 17 LAT. = 32.4788991°N LONG. = 103.5005921°W NMSP EAST (FT) N = 538956.46 E = 798130.48		BOTTOM OF HOLE LAT. = 32.4852261°N LONG. = 103.4855972°W NMSP EAST (FT) N = 541294.74 E = 802736.29		E O CORNER SEC. 17 LAT. = 32.4788782°N LONG. = 103.4834524°W NMSP EAST (FT) N = 538990.55 E = 803416.06	
SW CORNER SEC. 17 LAT. = 32.4715730°N LONG. = 103.5005756°W NMSP EAST (FT) N = 536291.19 E = 798156.36		PENNY PACKER "17" STATE #2H ELEV. = 3742.1' LAT. = 32.4725205°N (NAD83) LONG. = 103.4855873°W NMSP EAST (FT) N = 536672.29 E = 802776.07		SE CORNER SEC. 17 LAT. = 32.4716190°N LONG. = 103.4834469°W NMSP EAST (FT) N = 536349.55 E = 803438.79	
S O CORNER SEC. 17 LAT. = 32.4715969°N LONG. = 103.4920027°W NMSP EAST (FT) N = 536320.61 E = 800800.21		SURFACE LOCATION		330'	
N89°21'45"E 2644.54 FT		N89°22'17"E 2639.25 FT		N00°29'36"W 2641.61 FT	

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 unleased 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.

2/4/2013

Signature: *David H. Cook* Date: _____

Printed Name: David H. Cook Title: Regulatory Specialist

E-mail Address: david.cook@devon.com

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.

JANUARY 22, 2013

Date of Survey: _____

Signature and Seal of Professional Surveyor: *[Signature]*

Certificate Number: 11161 MONTE F. JARAMILLO, PLS 12797

SURVEY NO. 1524



Devon

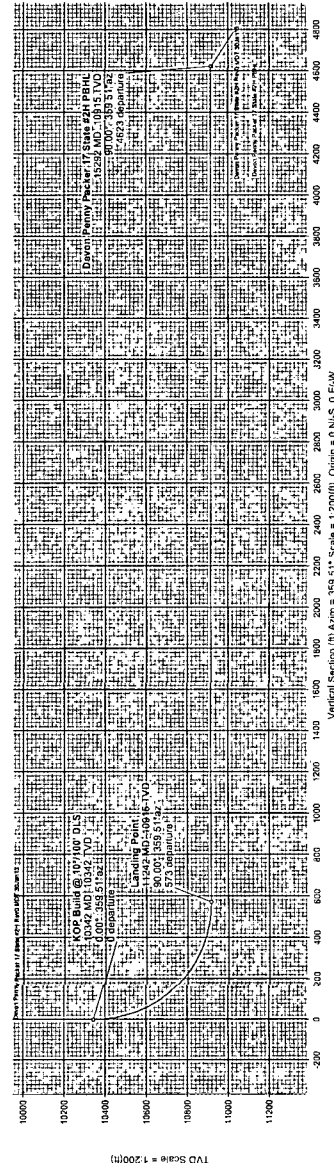


WELL	FIELD	STRUCTURE
Penny Packer 17 State #2H	NM Lea County (NAD 83)	McVay 8
Magnetic Parameters Block Date Mag Dec 7.468°	Block Date Mag Dec 7.468°	Block Date Mag Dec 7.468°

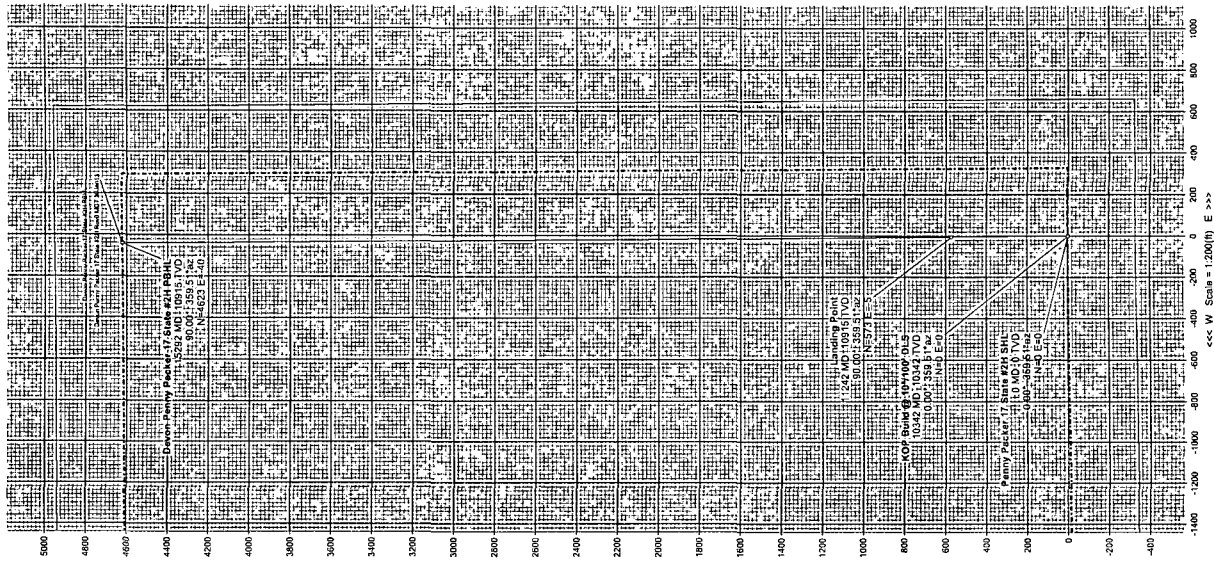
Legend

Grid North
Tot Corr (M->G)
7.0125°
Mag Dec (7.468°)
Grid Conv (0.455°)

Comments	Survey (NOD)	Indicating (deg)	Altitude (deg)	TVD (ft)	Sub-Sea TVD	VS (ft)	NS (ft)	EW (ft)	Longitude (deg)	Latitude (deg)	Easting (ft)	Northing (ft)	Closure (ft)	Closest Point (ft)	DLS (ft)	Prod (ft)	Tot (ft)
Penny Packer 17 State #2H SHL	0.00	0.00	0.00	350.51	0.00	0.00	0.00	0.00	W 103.29	8.114	N 32.28	21.074	0.00	0.00	0.00	0.00	350.51
KOP Build @ 10°100' DLS	10342.04	0.00	0.00	10342.04	6581.94	0.00	0.00	0.00	W 103.29	8.114	N 32.28	21.074	0.00	0.00	0.00	0.00	350.51
Landing Point	11242.04	90.00	0.00	10915.00	7154.90	572.96	572.96	4.93	W 103.29	8.119	N 32.28	26.743	0.00	0.00	0.00	0.00	0.00
Devon Penny Packer 17 State #2H PBHL	15291.77	90.00	0.00	10915.00	7154.90	4622.09	4622.09	-9.78	W 103.29	8.150	N 32.29	6.014	0.00	0.00	0.00	0.00	0.00



Vertical Section (ft) Azim = 359.51° Scale = 1:200 (ft) Origin = 0 N-S, 0 E-W



Drawn By: Current User
Date Created: January 30, 2013 02:31:29 PM
Checked Date:
Approved Date:



Devon Penny Packer 17 State #2H Rev0 MDT 30Jan13 Proposal Geodetic Report (Def Plan)



Report Date: January 30, 2013 - 02:40 PM
Client: Devon
Field: NM Lea County (NAD 83)
Structure / Slot: Devon Penny Packer 17 State #2H / Devon Penny Packer 17 State #2H
Well: Penny Packer 17 State #2H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Devon Penny Packer 17 State #2H Rev0 MDT 30Jan13
Survey Date: January 30, 2013
Tort / AHD / DDI / ERD Ratio: 90,000' / 4622.689 ft / 5.766 / 0.424
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 28' 21.07379", W 103° 29' 8.11441"
Location Grid N/E Y/X: N 536672.290 RUS, E 802776.070 RUS
CRS Grid Convergence Angle: 0.4552 °
Grid Scale Factor: 0.99998737

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.507 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3760.100 ft above MSL
Seabed / Ground Elevation: 3742.100 ft above MSL
Magnetic Declination: 7.468 °
Total Gravity Field Strength: 999.1525 mgn (9.8 based)
Total Magnetic Field Strength: 48593.948 nT
Magnetic Dip Angle: 60.354 °
Declination Date: January 30, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.4552 °
Total Corr Mag North->Grid North: 7.0125 °
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Penny Packer 17 State #2H SHL	0.00	0.00	359.51	0.00	-3760.10	0.00	0.00	0.00	N/A	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	100.00	0.00	359.51	100.00	-3660.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	200.00	0.00	359.51	200.00	-3560.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	300.00	0.00	359.51	300.00	-3460.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	400.00	0.00	359.51	400.00	-3360.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	500.00	0.00	359.51	500.00	-3260.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	600.00	0.00	359.51	600.00	-3160.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	700.00	0.00	359.51	700.00	-3060.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	800.00	0.00	359.51	800.00	-2960.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	900.00	0.00	359.51	900.00	-2860.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1000.00	0.00	359.51	1000.00	-2760.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1100.00	0.00	359.51	1100.00	-2660.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1200.00	0.00	359.51	1200.00	-2560.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1300.00	0.00	359.51	1300.00	-2460.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1400.00	0.00	359.51	1400.00	-2360.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1500.00	0.00	359.51	1500.00	-2260.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1600.00	0.00	359.51	1600.00	-2160.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1700.00	0.00	359.51	1700.00	-2060.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1800.00	0.00	359.51	1800.00	-1960.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	1900.00	0.00	359.51	1900.00	-1860.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2000.00	0.00	359.51	2000.00	-1760.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2100.00	0.00	359.51	2100.00	-1660.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2200.00	0.00	359.51	2200.00	-1560.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2300.00	0.00	359.51	2300.00	-1460.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2400.00	0.00	359.51	2400.00	-1360.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2500.00	0.00	359.51	2500.00	-1260.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2600.00	0.00	359.51	2600.00	-1160.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2700.00	0.00	359.51	2700.00	-1060.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2800.00	0.00	359.51	2800.00	-960.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	2900.00	0.00	359.51	2900.00	-860.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3000.00	0.00	359.51	3000.00	-760.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3100.00	0.00	359.51	3100.00	-660.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3200.00	0.00	359.51	3200.00	-560.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3300.00	0.00	359.51	3300.00	-460.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3400.00	0.00	359.51	3400.00	-360.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3500.00	0.00	359.51	3500.00	-260.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3600.00	0.00	359.51	3600.00	-160.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3700.00	0.00	359.51	3700.00	-60.10	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3800.00	0.00	359.51	3800.00	39.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	3900.00	0.00	359.51	3900.00	139.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4000.00	0.00	359.51	4000.00	239.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4100.00	0.00	359.51	4100.00	339.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4200.00	0.00	359.51	4200.00	439.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4300.00	0.00	359.51	4300.00	539.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4400.00	0.00	359.51	4400.00	639.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4500.00	0.00	359.51	4500.00	739.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4600.00	0.00	359.51	4600.00	839.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4700.00	0.00	359.51	4700.00	939.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4800.00	0.00	359.51	4800.00	1039.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	4900.00	0.00	359.51	4900.00	1139.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5000.00	0.00	359.51	5000.00	1239.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5100.00	0.00	359.51	5100.00	1339.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5200.00	0.00	359.51	5200.00	1439.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5300.00	0.00	359.51	5300.00	1539.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5400.00	0.00	359.51	5400.00	1639.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5500.00	0.00	359.51	5500.00	1739.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5600.00	0.00	359.51	5600.00	1839.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5700.00	0.00	359.51	5700.00	1939.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5800.00	0.00	359.51	5800.00	2039.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	5900.00	0.00	359.51	5900.00	2139.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6000.00	0.00	359.51	6000.00	2239.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6100.00	0.00	359.51	6100.00	2339.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6200.00	0.00	359.51	6200.00	2439.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6300.00	0.00	359.51	6300.00	2539.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6400.00	0.00	359.51	6400.00	2639.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6500.00	0.00	359.51	6500.00	2739.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6600.00	0.00	359.51	6600.00	2839.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6700.00	0.00	359.51	6700.00	2939.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6800.00	0.00	359.51	6800.00	3039.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	6900.00	0.00	359.51	6900.00	3139.90	0.00	0.00	0.00	0.00				

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (*1000)	Northing (ft)	Easting (ft)	Latitude (N/S)	Longitude (E/W)
	7100.00	0.00	359.51	7100.00	3339.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	7200.00	0.00	359.51	7200.00	3439.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	7300.00	0.00	359.51	7300.00	3539.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	7400.00	0.00	359.51	7400.00	3639.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	7500.00	0.00	359.51	7500.00	3739.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	7600.00	0.00	359.51	7600.00	3839.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	7700.00	0.00	359.51	7700.00	3939.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	7800.00	0.00	359.51	7800.00	4039.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	7900.00	0.00	359.51	7900.00	4139.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8000.00	0.00	359.51	8000.00	4239.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8100.00	0.00	359.51	8100.00	4339.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8200.00	0.00	359.51	8200.00	4439.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8300.00	0.00	359.51	8300.00	4539.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8400.00	0.00	359.51	8400.00	4639.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8500.00	0.00	359.51	8500.00	4739.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8600.00	0.00	359.51	8600.00	4839.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8700.00	0.00	359.51	8700.00	4939.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8800.00	0.00	359.51	8800.00	5039.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	8900.00	0.00	359.51	8900.00	5139.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9000.00	0.00	359.51	9000.00	5239.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9100.00	0.00	359.51	9100.00	5339.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9200.00	0.00	359.51	9200.00	5439.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9300.00	0.00	359.51	9300.00	5539.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9400.00	0.00	359.51	9400.00	5639.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9500.00	0.00	359.51	9500.00	5739.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9600.00	0.00	359.51	9600.00	5839.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9700.00	0.00	359.51	9700.00	5939.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9800.00	0.00	359.51	9800.00	6039.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	9900.00	0.00	359.51	9900.00	6139.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	10000.00	0.00	359.51	10000.00	6239.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	10100.00	0.00	359.51	10100.00	6339.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	10200.00	0.00	359.51	10200.00	6439.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	10300.00	0.00	359.51	10300.00	6539.90	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
KOP Build @ 10"/100' DLS	10342.04	0.00	359.51	10342.04	6581.94	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
	10400.00	5.80	359.51	10399.90	6639.80	2.93	2.93	-0.03	10.00	536675.22	802776.04	N 32 28 21.10	W 103 29 8.11
	10500.00	15.80	359.51	10498.01	6737.91	21.64	21.64	-0.19	10.00	536693.92	802775.88	N 32 28 21.29	W 103 29 8.11
	10600.00	25.80	359.51	10591.37	6831.27	57.09	57.09	-0.49	10.00	536729.38	802775.58	N 32 28 21.64	W 103 29 8.11
	10700.00	35.80	359.51	10677.16	6917.06	108.23	108.22	-0.93	10.00	536780.51	802775.14	N 32 28 22.14	W 103 29 8.12
	10800.00	45.80	359.51	10752.77	6992.67	173.48	173.47	-1.49	10.00	536845.76	802774.58	N 32 28 22.79	W 103 29 8.12
	10900.00	55.80	359.51	10815.90	7055.80	250.87	250.86	-2.16	10.00	536923.15	802773.91	N 32 28 23.56	W 103 29 8.12
	11000.00	65.80	359.51	10864.63	7104.53	338.05	338.04	-2.91	10.00	537010.32	802773.16	N 32 28 24.42	W 103 29 8.12
	11100.00	75.80	359.51	10897.48	7137.38	432.37	432.35	-3.72	10.00	537104.63	802772.35	N 32 28 25.35	W 103 29 8.12
	11200.00	85.80	359.51	10913.46	7153.36	530.95	530.93	-4.57	10.00	537203.22	802771.50	N 32 28 26.33	W 103 29 8.12
Landing Point	11242.04	90.00	359.51	10915.00	7154.90	572.96	572.94	-4.93	10.00	537245.22	802771.14	N 32 28 26.74	W 103 29 8.12
	11300.00	90.00	359.51	10915.00	7154.90	630.92	630.89	-5.43	0.00	537303.17	802770.64	N 32 28 27.32	W 103 29 8.12
	11400.00	90.00	359.51	10915.00	7154.90	730.92	730.89	-6.29	0.00	537403.17	802769.78	N 32 28 28.31	W 103 29 8.12
	11500.00	90.00	359.51	10915.00	7154.90	830.92	830.88	-7.15	0.00	537503.16	802768.92	N 32 28 29.30	W 103 29 8.12
	11600.00	90.00	359.51	10915.00	7154.90	930.92	930.88	-8.01	0.00	537603.16	802768.06	N 32 28 30.28	W 103 29 8.12
	11700.00	90.00	359.51	10915.00	7154.90	1030.92	1030.88	-8.87	0.00	537703.15	802767.20	N 32 28 31.27	W 103 29 8.12
	11800.00	90.00	359.51	10915.00	7154.90	1130.92	1130.87	-9.73	0.00	537803.15	802766.34	N 32 28 32.26	W 103 29 8.12
	11900.00	90.00	359.51	10915.00	7154.90	1230.92	1230.87	-10.59	0.00	537903.14	802765.48	N 32 28 33.25	W 103 29 8.12
	12000.00	90.00	359.51	10915.00	7154.90	1330.92	1330.87	-11.45	0.00	538003.14	802764.62	N 32 28 34.24	W 103 29 8.12
	12100.00	90.00	359.51	10915.00	7154.90	1430.92	1430.86	-12.31	0.00	538103.13	802763.76	N 32 28 35.23	W 103 29 8.13
	12200.00	90.00	359.51	10915.00	7154.90	1530.92	1530.86	-13.17	0.00	538203.13	802762.90	N 32 28 36.22	W 103 29 8.13
	12300.00	90.00	359.51	10915.00	7154.90	1630.92	1630.86	-14.03	0.00	538303.12	802762.04	N 32 28 37.21	W 103 29 8.13
	12400.00	90.00	359.51	10915.00	7154.90	1730.92	1730.85	-14.90	0.00	538403.12	802761.17	N 32 28 38.20	W 103 29 8.13
	12500.00	90.00	359.51	10915.00	7154.90	1830.92	1830.85	-15.76	0.00	538503.11	802760.31	N 32 28 39.19	W 103 29 8.13
	12600.00	90.00	359.51	10915.00	7154.90	1930.92	1930.84	-16.62	0.00	538603.11	802759.45	N 32 28 40.18	W 103 29 8.13
	12700.00	90.00	359.51	10915.00	7154.90	2030.92	2030.84	-17.48	0.00	538703.10	802758.59	N 32 28 41.17	W 103 29 8.13
	12800.00	90.00	359.51	10915.00	7154.90	2130.92	2130.84	-18.34	0.00	538803.10	802757.73	N 32 28 42.16	W 103 29 8.13
	12900.00	90.00	359.51	10915.00	7154.90	2230.92	2230.83	-19.20	0.00	538903.09	802756.87	N 32 28 43.15	W 103 29 8.13
	13000.00	90.00	359.51	10915.00	7154.90	2330.92	2330.83	-20.06	0.00	539003.09	802756.01	N 32 28 44.14	W 103 29 8.13
	13100.00	90.00	359.51	10915.00	7154.90	2430.92	2430.83	-20.92	0.00	539103.08	802755.15	N 32 28 45.13	W 103 29 8.13
	13200.00	90.00	359.51	10915.00	7154.90	2530.92	2530.82	-21.78	0.00	539203.07	802754.29	N 32 28 46.12	W 103 29 8.13
	13300.00	90.00	359.51	10915.00	7154.90	2630.92	2630.82	-22.64	0.00	539303.07	802753.43	N 32 28 47.11	W 103 29 8.13
	13400.00	90.00	359.51	10915.00	7154.90	2730.92	2730.81	-23.50	0.00	539403.06	802752.57	N 32 28 48.10	W 103 29 8.14
	13500.00	90.00	359.51	10915.00	7154.90	2830.92	2830.81	-24.36	0.00	539503.06	802751.71	N 32 28 49.08	W 103 29 8.14
	13600.00	90.00	359.51	10915.00	7154.90	2930.92	2930.81	-25.22	0.00	539603.05	802750.85	N 32 28 50.07	W 103 29 8.14
	13700.00	90.00	359.51	10915.00	7154.90	3030.92	3030.80	-26.08	0.00	539703.05	802749.99	N 32 28 51.06	W 103 29 8.14
	13800.00	90.00	359.51	10915.00	7154.90	3130.92	3130.80	-26.94	0.00	539803.04	802749.13	N 32 28 52.05	W 103 29 8.14
	13900.00	90.00	359.51	10915.00	7154.90	3230.92	3230.80	-27.80	0.00	539903.04	802748.27	N 32 28 53.04	W 103 29 8.14
	14000.00	90.00	359.51	10915.00	7154.90	3330.92	3330.79	-28.66	0.00	540003.03	802747.41	N 32 28 54.03	W 103 29 8.14
	14100.00	90.00	3										

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	0.000		18.000		1/100.000	30.000	30.000	SLB_MWD-STD-Depth Only		Original Borehole / Devon Penny Packer 17 State #2H Rev0 MDT			
	18.000		15291.773		1/100.000	30.000	30.000	SLB_MWD-STD		Original Borehole / Devon Penny Packer 17 State #2H Rev0 MDT			



Devon Penny Packer 17 State #2H Rev0 MDT 30Jan13 Proposal Geodetic Report

(Def Plan)



Report Date: January 30, 2013 - 02:39 PM
Client: Devon
Field: NM Lea County (NAD 83)
Structure / Slot: Devon Penny Packer 17 State #2H / Devon Penny Packer 17 State #2H
Well: Penny Packer 17 State #2H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Devon Penny Packer 17 State #2H Rev0 MDT 30Jan13
Survey Date: January 30, 2013
Tort / AHD / DDI / ERD Ratio: 90.000 ° / 4622.689 ft / 5.766 / 0.424
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 28' 21.07379", W 103° 29' 8.11441"
Location Grid N/E Y/X: N 536672.290 ftUS, E 802776.070 ftUS
CRS Grid Convergence Angle: 0.4552 °
Grid Scale Factor: 0.99998737

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.507 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3760.100 ft above MSL
Seabed / Ground Elevation: 3742.100 ft above MSL
Magnetic Declination: 7.468 °
Total Gravity Field Strength: 999.1525 mgn (9.8 based)
Total Magnetic Field Strength: 48593.948 nT
Magnetic Dip Angle: 60.354 °
Declination Date: January 30, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.4552 °
Total Corr Mag North->Grid North: 7.0125 °
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Penny Packer 17 State #2H SHL	0.00	0.00	359.51	0.00	-3760.10	0.00	0.00	0.00	N/A	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
KOP Build @ 10"/100' DLS	10342.04	0.00	359.51	10342.04	6581.94	0.00	0.00	0.00	0.00	536672.29	802776.07	N 32 28 21.07	W 103 29 8.11
Landing Point	11242.04	90.00	359.51	10915.00	7154.90	572.96	572.94	-4.93	10.00	537245.22	802771.14	N 32 28 26.74	W 103 29 8.12
Devon Penny Packer 17 State #2H PBHL	15291.77	90.00	359.51	10915.00	7154.90	4622.69	4622.52	-39.78	0.00	541294.74	802736.29	N 32 29 6.81	W 103 29 8.15

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	18.000	1/100.000	30.000	30.000	SLB_MWD-STD-Depth Only	Original Borehole / Devon Penny Packer 17 State #2H Rev0 MDT
	18.000	15291.773	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Devon Penny Packer 17 State #2H Rev0 MDT