

HOBBS

AUG 10 2015

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Evaluation, Drilling & Intervention

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Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
333 W. Sheridan Ave
Oklahoma City, OK, 73102

Date: April 24, 2015

Attention: Ryan Dzurisin

Re: Devon Energy
Well: Sea Snake 35 State 3H
Lea County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Andrew Schmidt	3H	10589 MD	4/15/2015	Measurement
MWD Supervisor		15655 MD	4/22/2015	While Drilling

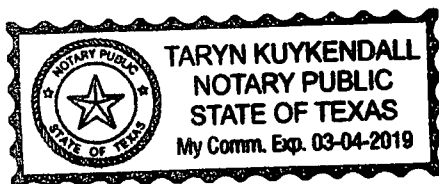
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
MWD Ops Coordinator

On this, the 10th day of May, 2015, before me a notary public, the undersigned officer, personally appeared JESUS AGUILAR, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public



AUG 20 2015

5D Survey Report

Devon Energy**Field Name:** *Lea Co, NM Nad 83 NMEZ***Site Name:** *Sea Snake 35 State 3H***Well Name:** *Sea Snake 35 State 3H***Survey:** *Wft MWD Svy*

22 April 2015

**Weatherford®**

Field Name Lea Co, NM Nad 83 NMEZ	Map Units : US ft Vertical Reference Datum (VRD) : Mean Sea Level Projected Coordinate System : NAD83 / New Mexico East (ftUS) Comment :	Company Name : Devon Energy
Site Name Sea Snake 35 State 3H	Units : US ft Position Elevation above Mean Sea Level: 3647.00 US ft Comment :	North Reference : Grid Northing : 457194.41 US ft Easting : 786121.75 US ft Convergence Angle : 0.42 Latitude : 32° 15' 15.92" Longitude : -103° 32' 29.37"
Slot Name Sea Snake 35 State 3H	Position (Offsets relative to Site Centre) +N / -S : 0.00 US ft +E / -W : 0.00 US ft Slot TVD Reference : Ground Elevation Elevation above Mean Sea Level : 3647.00 US ft Comment :	Northing : 457194.41 US ft Easting : 786121.75 US ft Latitude : 32°15'15.92" Longitude : -103°32'29.37"
Well Name Sea Snake 35 State 3H	Type : Main well Rig Height <i>Kelly Bushing</i> : 25.00 US ft Relative to Mean Sea Level: 3672.00 US ft Closure Distance : 4747.91 US ft Vertical Section (Position of Origin Relative to Slot) +N / -S : 0.00 US ft	UWI : Comment : Closure Azimuth : 358.867° Az : 359.58°

Survey Name : Wft MWD Svy

Date : 19/Apr/2015

Survey Tool : MWD

Comment :

Company :

Magnetic Model

Model Name: BGGM

Date: 10/Apr/2015

Field Strength:
48229.6 nT

Declination: 7.28°

Dip: 60.12°

Tie Point

MD: 10474

Inclination: 2.02 Azimuth: 137.93

TVD: 10467.8

North Offset: -100.498 East Offset: 142.965

Well path created using minimum curvature

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
10589.00	1.14	78.03	10582.71	-101.77	145.44	-102.83	0.00	457092.64	786267.19	First Wft Svy
10620.00	3.85	16.70	10613.69	-100.70	146.04	-101.77	11.13	457093.71	786267.79	
10652.00	7.65	5.56	10645.52	-97.55	146.56	-98.63	12.32	457096.86	786268.31	
10683.00	11.64	2.70	10676.08	-92.37	146.91	-93.45	12.96	457102.04	786268.66	
10715.00	15.69	0.54	10707.16	-84.82	147.10	-85.90	12.75	457109.59	786268.85	
10746.00	19.90	359.24	10736.67	-75.35	147.07	-76.42	13.64	457119.06	786268.82	
10779.00	24.41	359.88	10767.23	-62.91	146.98	-63.98	13.69	457131.50	786268.73	
10810.00	28.64	359.53	10794.96	-49.07	146.91	-50.14	13.65	457145.34	786268.66	
10841.00	32.11	358.32	10821.70	-33.40	146.60	-34.47	11.37	457161.01	786268.35	
10872.00	35.37	356.82	10847.48	-16.20	145.86	-17.27	10.85	457178.21	786267.61	
10904.00	38.63	355.81	10873.03	3.02	144.62	1.96	10.36	457197.43	786266.37	
10936.00	41.79	355.43	10897.46	23.61	143.04	22.56	9.90	457218.02	786264.79	
10967.00	44.93	354.91	10920.00	44.82	141.24	43.78	10.19	457239.23	786262.99	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)										
ID (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
10999.00	48.02	354.72	10942.03	67.92	139.15	66.90	9.67	457262.33	786260.90	
11030.00	51.04	354.33	10962.15	91.39	136.90	90.39	9.79	457285.80	786258.65	
11062.00	54.00	354.42	10981.62	116.66	134.41	115.67	9.25	457311.07	786256.16	
11078.50	55.52	354.41	10991.14	130.07	133.10	129.10	9.19	457324.48	786254.85	Cross Prod. Box
11093.00	56.85	354.41	10999.21	142.06	131.92	141.09	9.19	457336.47	786253.67	
11125.00	59.64	354.55	11016.05	169.15	129.31	168.19	8.73	457363.56	786251.06	
11156.00	62.58	355.15	11031.03	196.17	126.87	195.24	9.63	457390.58	786248.62	
11188.00	65.32	356.11	11045.08	224.84	124.68	223.92	8.98	457419.25	786246.43	
11219.00	68.29	356.81	11057.29	253.27	122.93	252.37	9.80	457447.68	786244.68	
11250.00	71.71	357.76	11067.89	282.37	121.55	281.47	11.40	457476.78	786243.30	
11282.00	75.22	358.34	11077.00	313.02	120.51	312.13	11.11	457507.43	786242.26	
11313.00	78.09	358.08	11084.15	343.17	119.57	342.28	9.29	457537.58	786241.32	
11345.00	81.30	358.46	11089.87	374.63	118.62	373.75	10.10	457569.04	786240.37	
11376.00	84.61	358.73	11093.67	405.38	117.86	404.51	10.71	457599.79	786239.61	
11408.00	86.57	358.83	11096.14	437.28	117.18	436.41	6.13	457631.69	786238.93	
11502.00	87.55	357.88	11100.96	531.12	114.49	530.26	1.45	457725.53	786236.24	
11565.00	87.55	357.59	11103.65	594.01	112.00	593.17	0.46	457788.42	786233.75	
11660.00	87.06	357.32	11108.12	688.81	107.79	688.00	0.59	457883.22	786229.54	
11754.00	88.32	357.18	11111.91	782.62	103.28	781.85	1.35	457977.03	786225.03	
11848.00	87.83	357.19	11115.06	876.46	98.67	875.71	0.52	458070.87	786220.42	
11943.00	87.20	356.82	11119.18	971.24	93.71	970.52	0.77	458165.65	786215.46	
12037.00	88.60	357.39	11122.63	1065.05	88.96	1064.37	1.61	458259.46	786210.71	
12131.00	88.88	358.24	11124.69	1158.96	85.38	1158.30	0.95	458353.37	786207.13	
12225.00	89.09	358.83	11126.36	1252.91	82.98	1252.27	0.67	458447.32	786204.73	
12319.00	88.95	359.00	11127.97	1346.88	81.20	1346.25	0.23	458541.29	786202.95	
12414.00	88.39	358.97	11130.17	1441.84	79.52	1441.22	0.59	458636.25	786201.27	
12508.00	89.86	359.03	11131.61	1535.81	77.88	1535.20	1.57	458730.22	786199.63	
12603.00	91.47	358.93	11130.50	1630.79	76.18	1630.19	1.70	458825.20	786197.93	
12697.00	92.31	358.60	11127.40	1724.72	74.16	1724.13	0.96	458919.13	786195.91	
12791.00	92.03	358.24	11123.84	1818.61	71.57	1818.04	0.48	459013.02	786193.32	
12886.00	90.91	357.50	11121.41	1913.51	68.04	1912.96	1.41	459107.92	786189.79	
12980.00	89.86	357.15	11120.78	2007.41	63.65	2006.89	1.18	459201.82	786185.40	
13074.00	89.86	356.89	11121.01	2101.28	58.77	2100.79	0.28	459295.69	786180.52	
13168.00	89.72	356.42	11121.35	2195.12	53.28	2194.67	0.52	459389.53	786175.03	
13263.00	89.93	356.27	11121.64	2289.92	47.23	2289.52	0.27	459484.33	786168.98	
13357.00	89.72	356.12	11121.93	2383.72	40.99	2383.35	0.27	459578.13	786162.74	
13452.00	89.65	356.02	11122.45	2478.49	34.48	2478.17	0.13	459672.90	786156.23	
13546.00	89.72	356.15	11122.97	2572.27	28.06	2572.00	0.16	459766.68	786149.81	
13641.00	89.51	355.87	11123.60	2667.04	21.45	2666.81	0.37	459861.45	786143.20	
13735.00	90.14	356.73	11123.89	2760.84	15.38	2760.65	1.13	459955.25	786137.13	
13830.00	90.07	357.99	11123.72	2855.74	11.01	2855.58	1.33	460050.15	786132.76	
13924.00	90.28	358.44	11123.43	2949.69	8.08	2949.55	0.53	460144.10	786129.83	
14018.00	89.93	358.84	11123.26	3043.66	5.85	3043.54	0.57	460238.07	786127.60	
14112.00	90.63	358.13	11122.80	3137.63	3.36	3137.52	1.06	460332.04	786125.11	
14206.00	90.98	357.56	11121.48	3231.55	-0.17	3231.47	0.71	460425.96	786121.58	
14301.00	91.89	357.39	11119.10	3326.43	-4.36	3326.37	0.97	460520.84	786117.39	
14396.00	92.31	357.31	11115.62	3421.26	-8.74	3421.24	0.45	460615.67	786113.01	
14490.00	92.52	356.91	11111.66	3515.06	-13.48	3515.07	0.48	460709.47	786108.27	
14584.00	92.80	356.30	11107.29	3608.79	-19.04	3608.84	0.71	460803.20	786102.71	
14679.00	93.29	356.21	11102.25	3703.46	-25.24	3703.54	0.52	460897.87	786096.51	
14774.00	92.17	355.68	11097.72	3798.11	-31.95	3798.24	1.30	460992.52	786089.80	
14868.00	91.26	356.52	11094.91	3891.85	-38.34	3892.03	1.32	461086.26	786083.41	
14963.00	90.35	357.21	11093.58	3986.70	-43.53	3986.91	1.20	461181.11	786078.22	
15057.00	90.77	356.79	11092.66	4080.56	-48.45	4080.81	0.63	461274.97	786073.30	
15152.00	90.70	356.41	11091.44	4175.39	-54.08	4175.67	0.41	461369.80	786067.67	
15246.00	90.28	356.50	11090.63	4269.20	-59.90	4269.53	0.46	461463.61	786061.85	
15341.00	90.28	356.17	11090.17	4364.01	-65.97	4364.37	0.35	461558.42	786055.78	
15435.00	90.35	355.82	11089.65	4457.78	-72.53	4458.19	0.38	461652.19	786049.22	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)										
MD (US ft)	Incl (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
15529.00	90.28	355.79	11089.14	4551.52	-79.41	4551.98	0.08	461745.93	786042.34	
15624.00	89.79	355.68	11089.08	4646.26	-86.48	4646.77	0.53	461840.67	786035.27	
15655.00	89.58	355.80	11089.25	4677.17	-88.78	4677.70	0.78	461871.58	786032.97	Last Wft Svy
15725.00	89.58	355.80	11089.76	4746.98	-93.91	4747.55	0.00	461941.39	786027.84	Proj. To Bit



Weatherford

Sea Snake 35 State 3H

Lea Co, NM

Plan Data for Sea Snake 35 State 3H

Plan Point Information:

Dogleg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
14396.00	92.31	357.31	11115.62	3421.26	-8.74	460615.67	786113.01	3421.24	0.45
14565.77	92.00	358.98	11109.23	3590.81	-14.23	460785.22	786107.52	3590.82	1.00
15723.86	92.00	358.98	11068.75	4748.02	-34.82	461942.43	786086.93	4748.15	0.00

Plan Data for Sea Snake 35 State 3H

Slot: Sea Snake 35 State 3H

Position:

Offset is from Site centre

+N/-S: 0.00USft Northing: 457194.41USft Latitude: 32°15'15.9"
+E/-W: 0.00USft Easting: 786121.75USft Longitude: -103°32'29.4"
Elevation Above VRD: 3647.00USft

Plan Data for Sea Snake 35 State 3H

Target Set Information:

Name: Sea Snake 35 State 3H

Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Comment
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	
PBHL 3H	11068.75	4748.02	-34.82	461942.43	786086.93	Cuboid

Plan Data for Sea Snake 35 State 3H

Well: Sea Snake 35 State 3H

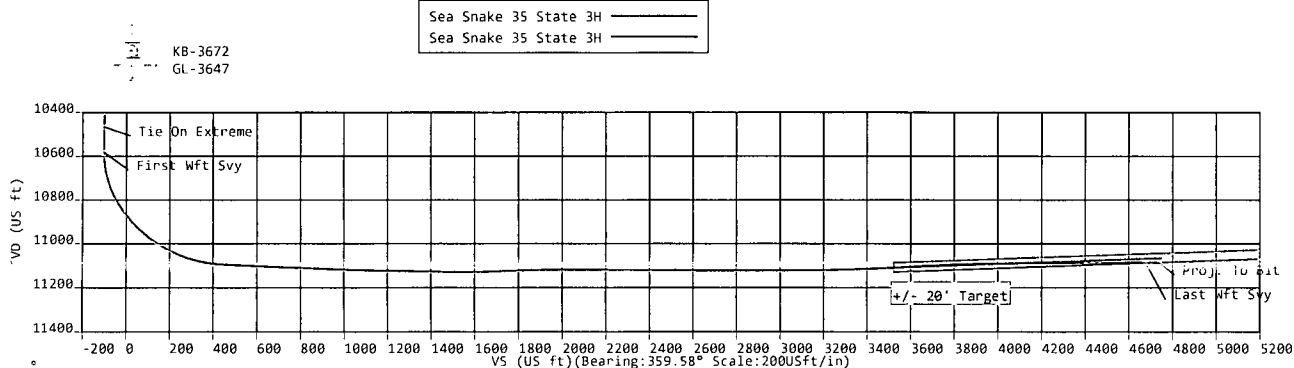
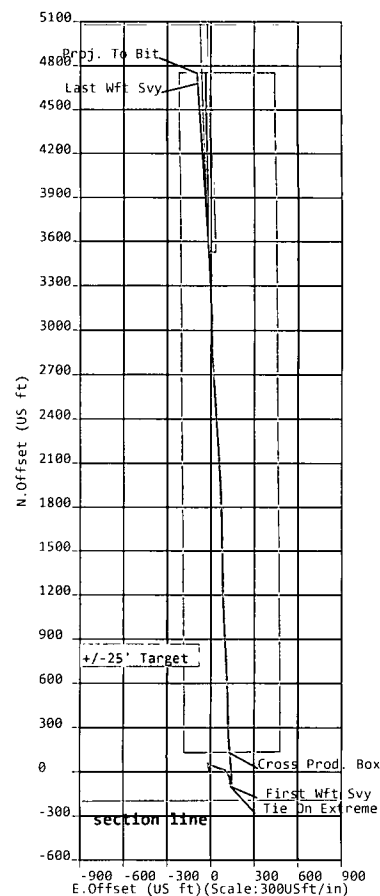
Type: Main-Well

File Number:

Plan Folder: P7 Plan: P7:V1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 359.58°
+E/-W: 0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BGGM 48229(nT) 7.28° 60.12° 2015-04-10

Sea Snake 35 State 3H

Sea Snake 35 State 3H



Sign Off: Russell Joyner