District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-025-42285	59900	TRIPLE X; BONE SPRING

4 Property Code	5 Property Name	6 Well Number
40329	SEA SNAKE 35 STATE	4H

7 OGRID No.	8 Operator Name	9 Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3642.6

10 Surface Location

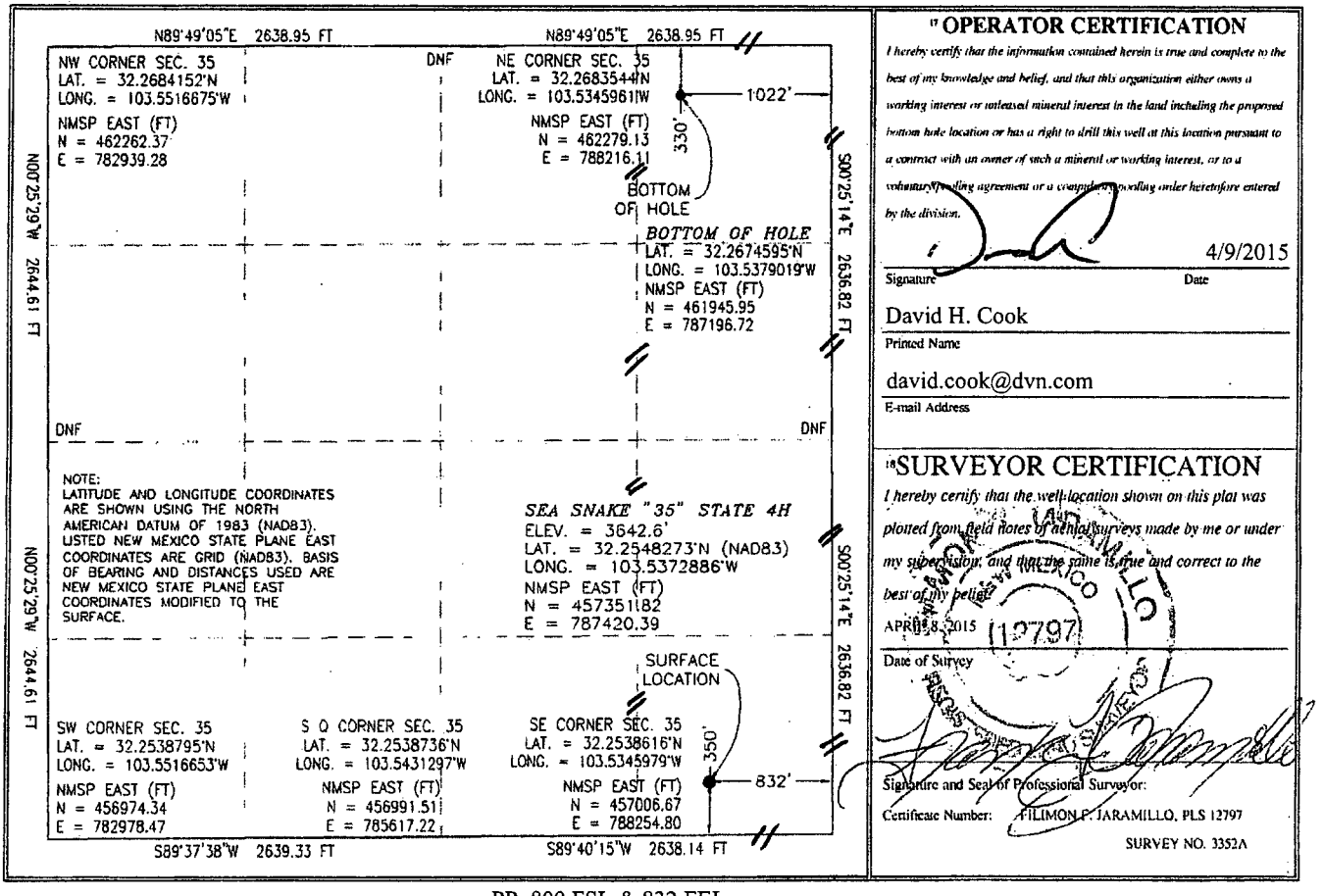
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	23 S	33 E		350	SOUTH	832	EAST	LEA

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	35	23 S	33 E		330	NORTH	1022	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.



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.

4/9/2015

Signature Date

David H. Cook

Printed Name

david.cook@dvn.com

E-mail Address

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.

APRIL 8, 2015

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: FILIMON F. JARAMILLO, PLS 12797

SURVEY NO. 3352A

PP: 800 FSL & 832 FEL

AMENDED

APR 14 2015

Devon Energy, Sea Snake 35 Fed 4H

1. Geologic Formations

TVD of target	11,007'	Pilot hole depth	N/A
MD at TD:	15,392'	Deepest expected fresh water:	

Basin/Reef/Back Reef

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Rustler	1,333	Barren	
Top of Salt	1,758	Barren	
Base of Salt	5,078	Barren	
Delaware	5,335	Oil	
Cherry Canyon	6,234	Oil	
Brushy Canyon	7,516	Oil	
1st Bone Spring Lime	8,982	Oil	
2nd Bone Spring Sand	10,575	Oil	

*H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program

Hole Size	Casing Interval From	To	Csg. Size	Weight (lbs)	Grade	Conn	SF Collapse	SF Burst	SF Tension
17.5"	0	1,450'	13.375"	48	H-40	STC	1.29	2.90	8.35
12.25"	0	4,300'	9.625"	40	J-55	BTC	1.15	3.43	4.69
12.25"	4,300'	5,200'	9.625"	40	HCK-55	BTC	1.57	4.63	6.07
8.75"	0	10,450'	7"	29	P-110	BTC	1.78	1.25	2.16
8.75"	10,450'	15,392'	5.5"	17	P-110	BTC	1.42	1.25	2.07
				BLM Minimum Safety Factor			1.125	1.00	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	H_20 gal/sk	Yld ft3/ sack	500# Comp. Strength (hours)	Slurry Description
Surf.	710	12.9	9.81	1.85	15	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 3% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	560	14.8	6.34	1.34	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake + 1% BWOC Calcium Chloride
Surf. Two Stage	490	12.9	9.81	1.85	15	1st Stage Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	560	14.8	6.34	1.34	6	1st Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake + 1% BWOC Calcium Chloride
	DV Tool = 300ft					
	320	14.8	6.34	1.34	6	2nd Stage Primary: Class C Cement + 0.125 lbs/sack Poly-E-Flake + 1% BWOC Calcium Chloride
Inter.	1110	12.9	9.81	1.85	15	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	430	14.8	1.33	6.32	7	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
Inter. Two Stage	950	12.9	9.81	1.85	15	1st Stage Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	220	14.8	1.33	6.32	7	1st Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
	DV Tool = 1500ft					
	210	12.9	9.81	1.85	17	2nd Stage Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	150	14.8	1.33	6.32	7	2nd Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake

Casing	# Sks	Wt. lb/ gal	H_20 gal/sk	Yld ft3/ sack	500# Comp. Strength (hours)	Slurry Description
5.5" Prod	520	11.9	12.89	2.26	n/a	1st Lead: (50:50) Class H Cement: Poz (Fly Ash) + 10% BWOC Bentonite + 1 lb/sk of Kol-Seal + 0.3% BWOC HR-601 + 0.5lb/sk D-Air 5000
	330	12.5	10.86	1.96	30	2nd Lead: (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-601 + 0.125 lbs/sack Poly-E-Flake
	1290	14.5	5.31	1.2	25	Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite
7 x 5.5" Combo Prod	340	10.4	16.8	3.17	25	Lead: Tuned Light® Cement + 0.125 lb/sk Pol-E-Flake
	1270	14.5	5.31	1.2	25	Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite

DV tool depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	100%
Surface Two Stage	1st Stage =300' / 2nd Stage =0'	100%
Intermediate	0'	75%
Intermediate Two Stage	1st Stage =1500' / 2nd Stage =0'	75%
5.5" Production	5000'	25%
7 x 5.5" Combo Prod.	5000'	25%

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
12-1/4"	13-5/8"	3M	Annular	x	50% of working pressure
			Blind Ram		3M
			Pipe Ram		
			Double Ram	x	
			Other*		
8-3/4"	13-5/8"	3M	Annular	x	50% testing pressure
			Blind Ram		3M
			Pipe Ram		
			Double Ram	x	
			Other *		
			Annular		
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other *		

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.

Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.	
	Y	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. Devon proposes using a multi-bowl wellhead assembly (FMC Uni-head). This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi. • Wellhead will be installed by FMC's representatives. • If the welding is performed by a third party, the FMC's representative will monitor the temperature to verify that it does not exceed the maximum temperature of the seal. • FMC representative will install the test plug for the initial BOP test. • FMC will install a solid steel body pack-off to completely isolate the lower head after cementing intermediate casing. After installation of the pack-off, the pack-off and the lower flange will be tested to 5M, as shown on the attached schematic. Everything above the pack-off will not have been altered whatsoever from the initial nipple up. Therefore the BOP components will not be retested at that time. • If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head will be cut and top out operations will be conducted. • Devon will pressure test all seals above and below the mandrel (but still above the casing) to full working pressure rating. • Devon will test the casing to 0.22 psi/ft or 1500 psi, whichever is greater, as per Onshore Order #2. After running the 13-3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 3M will be installed on the FMC Uni-head wellhead system and will undergo a 250 psi low pressure test followed by a 3,000 psi high pressure test. The 3,000 psi high and 250 psi low test will cover testing requirements a maximum of 30 days, as per Onshore Order #2. If the well is not complete within 30 days of this BOP test, another full BOP test will be conducted, as per Onshore Order #2. After running the 9-5/8' intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 3M will already be installed on the FMC Uni-head. 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 3,000 psi WP.	

	Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns See attached schematic.

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	1,450'	FW Gel	8.6-8.8	28-34	N/C
1,450'	5,200'	Saturated Brine	10.0-10.2	28-34	N/C
5,200'	15,392'	Cut Brine	8.5-9.3	28-34	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring

6. Logging and Testing Procedures

Logging, Coring and Testing.	
x	Will run GR/CNL fromTD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain
	Coring? If yes, explain

Additional logs planned		Interval
	Resistivity	Int. shoe to KOP
	Density	Int. shoe to KOP
X	CBL	Production casing
X	Mud log	Intermediate shoe to TD
	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4974 psi
Abnormal Temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S Plan attached

8. Other facets of operation

Is this a walking operation? No.
Will be pre-setting casing? No.

Attachments
_x_ Directional Plan
___ Other, describe

devon

Weatherford

Sea Snake 35 State 4H
Lea Co, NM

Plan Data for Sea Snake 35 State 4H

Plan Point Information:
DogLeg Severity Unit: °/100.00ft Position offsets from Slot centre

MD (USft)	Inc (°)	Az (°)	TVD (USft)	+N/-S (USft)	+E/-W (USft)	Northing (USft)	Easting (USft)	VSec (USft)	DLS (DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	457351.82	787420.39	0.00	0.00
10519.54	0.00	0.00	10519.54	0.00	0.00	457351.82	787420.39	0.00	0.00
11268.38	89.86	357.21	10997.00	475.74	-23.16	457827.56	787397.23	476.31	12.00
15392.26	89.86	357.21	11007.00	4594.73	-223.70	461946.55	787196.69	4600.17	0.00

Plan Data for Sea Snake 35 State 4H

Slot: Sea Snake 35 State 4H
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 457351.82USft Latitude: 32°15'17.4"
+E/-W: 0.00USft Easting: 787420.39USft Longitude: -103°32'14.2"
Elevation Above VRD: 3642.00USft

Plan Data for Sea Snake 35 State 4H

Target Set Information:
Name: Sea Snake 35 State 4H
Position offsets from Slot centre

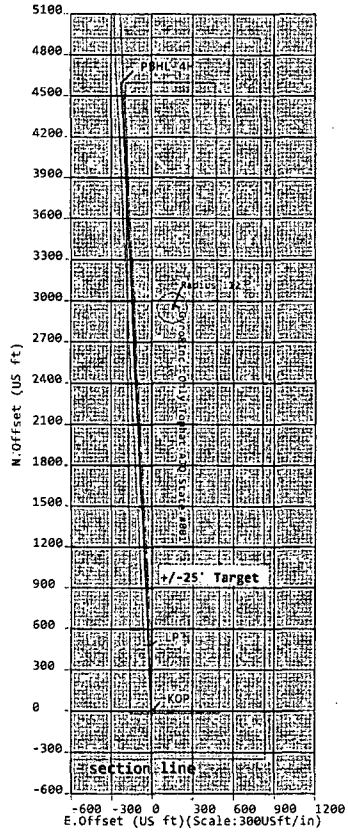
Name	TVD (USft)	+N/-S (USft)	+E/-W (USft)	Northing (USft)	Easting (USft)	Shape	Comment
PBHL 4H	11007.00	4594.73	-233.70	461946.55	787186.69	Cuboid	

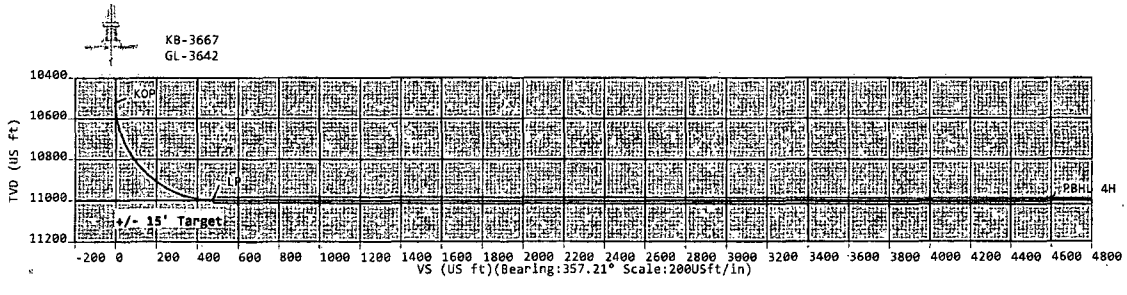
Plan Data for Sea Snake 35 State 4H

Well: Sea Snake 35 State 4H
Type: Main-Well
File Number:
Plan Folder: P1 Plan: P1:V4
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 357.21°
+E/-W: 0.00USft
Magnetic Parameters:

Model:	Field Strength:	Declination:	Dip:	Date:
BGGM	48223(nT)	7.27°	60.12°	2015-05-01

Sea Snake 35 State 4H
Gyro&Inc. Only Tophat AJQ State #001





Sign Off: Russell Joyner

5D Plan Report

Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*
Site Name: *Sea Snake 35 State 4H*
Well Name: *Sea Snake 35 State 4H*
Plan: *P1:V4*

06 April 2015

Sea Snake 35 State 4H

Field Name
Lea Co, NM Nad 83 NMEZ

Map Units : US ft
Company Name : Devon Energy
Vertical Reference Datum (VRD) : Mean Sea Level
Projected Coordinate System : NAD83 / New Mexico East (ftUS)
Comment :

Site Name
Sea Snake 35 State 4H

Units : US ft **North Reference** : Grid **Convergence Angle :** 0.42

Position **Northing :** 457351.82 US ft **Latitude :** 32°15'17.38"
Easting : 787420.39 US ft **Longitude :** -103°32'14.24"

Elevation above Mean Sea Level: 3642.00 US ft
Comment :

Slot Name
Sea Snake 35 State 4H

Position (Offsets relative to Site Centre)
+N / -S : 0.00 US ft **Northing :** 457351.82 US ft **Latitude :** 32°15'17.38"
+E / -W : 0.00 US ft **Easting :** 787420.39 US ft **Longitude :** -103°32'14.24"
Slot TVD Reference : Ground Elevation
Elevation above Mean Sea Level : 3642.00 US ft
Comment :

Well Name
Sea Snake 35 State 4H

Type : Main well **UWI :** **Plan :** P1:V4
Rig Height *Kelly Bushing* : 25.00 US ft **Comment :**
Relative to Mean Sea Level: 3667.00 US ft
Closure Distance : 4600.17 US ft **Closure Azimuth :** 357.213°
Vertical Section (Position of Origin Relative to Slot)
+N / -S : 0.00 US ft **+E / -W :** 0.00 US ft **Az :**357.21°
Magnetic Parameters
Model : BGGM **Field Strength :** 48223.2nT **Dec :** 7.27° **Dip :** 60.12° **Date :** 01/May/2015

Target Set

Name : Sea Snake 35 State 4H **Number of Targets :** 1

Comment :

Target Name:
PBHL 4H

Position (Relative to Slot centre)
+N / -S : 4594.73 US ft **Northing :** 461946.55 US ft **Latitude :** 32°16'2.86"
+E / -W : 233.70 US ft **Easting :** 787186.69 US ft **Longitude :** -103°32'16.56"

Shape:
Cuboid

TVD (Kelly Bushing) : 11007.00 US ft

Orientation **Azimuth :** 357.21° **Inclination :** -0.14°
Dimensions **Length :** 8236.00 US ft **Breadth :** 50.00 US ft **Height :** 30.00 US ft

Well path created using minimum curvature

5D Plan Report

Salient 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)	B.Rate (°/100 US ft)	T.Rate (°/100 US ft)	T.Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10519.54	0.00	0.00	10519.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
11268.38	89.86	357.21	10997.00	475.74	-23.16	476.31	12.00	12.00	0.00	357.21	LP
15392.26	89.86	357.21	11007.00	4594.73	-223.70	4600.17	0.00	0.00	0.00	0.00	PBHL 4H

Interpolated 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
10500.00	0.00	0.00	10500.00	0.00	0.00	0.00	0.00	457351.82	787420.39	
10519.54	0.00	0.00	10519.54	0.00	0.00	0.00	0.00	457351.82	787420.39	KOP
10600.00	9.66	357.21	10599.62	6.76	-0.33	6.76	12.00	457358.58	787420.06	
10700.00	21.66	357.21	10695.73	33.66	-1.64	33.70	12.00	457385.48	787418.75	
10800.00	33.66	357.21	10784.15	79.93	-3.89	80.03	12.00	457431.75	787416.50	
10900.00	45.66	357.21	10861.00	143.56	-6.99	143.73	12.00	457495.38	787413.40	
11000.00	57.66	357.21	10922.92	221.75	-10.80	222.01	12.00	457573.57	787409.59	
11100.00	69.66	357.21	10967.22	311.10	-15.15	311.47	12.00	457662.92	787405.24	
11200.00	81.66	357.21	10991.95	407.69	-19.85	408.17	12.00	457759.51	787400.54	
11268.38	89.86	357.21	10997.00	475.74	-23.16	476.31	12.00	457827.56	787397.23	LP
11300.00	89.86	357.21	10997.08	507.32	-24.70	507.92	0.00	457859.14	787395.69	
11400.00	89.86	357.21	10997.32	607.21	-29.56	607.92	0.00	457959.03	787390.83	
11500.00	89.86	357.21	10997.56	707.09	-34.43	707.92	0.00	458058.91	787385.96	
11600.00	89.86	357.21	10997.81	806.97	-39.29	807.92	0.00	458158.79	787381.10	
11700.00	89.86	357.21	10998.05	906.85	-44.15	907.92	0.00	458258.67	787376.24	
11800.00	89.86	357.21	10998.29	1006.73	-49.01	1007.92	0.00	458358.55	787371.38	
11900.00	89.86	357.21	10998.53	1106.61	-53.88	1107.92	0.00	458458.43	787366.51	
12000.00	89.86	357.21	10998.78	1206.49	-58.74	1207.92	0.00	458558.31	787361.65	
12100.00	89.86	357.21	10999.02	1306.38	-63.60	1307.92	0.00	458658.20	787356.79	
12200.00	89.86	357.21	10999.26	1406.26	-68.47	1407.92	0.00	458758.08	787351.92	
12300.00	89.86	357.21	10999.50	1506.14	-73.33	1507.92	0.00	458857.96	787347.06	
12400.00	89.86	357.21	10999.75	1606.02	-78.19	1607.92	0.00	458957.84	787342.20	
12500.00	89.86	357.21	10999.99	1705.90	-83.05	1707.92	0.00	459057.72	787337.34	
12600.00	89.86	357.21	11000.23	1805.78	-87.92	1807.92	0.00	459157.60	787332.47	
12700.00	89.86	357.21	11000.47	1905.66	-92.78	1907.92	0.00	459257.48	787327.61	
12800.00	89.86	357.21	11000.72	2005.54	-97.64	2007.92	0.00	459357.36	787322.75	
12900.00	89.86	357.21	11000.96	2105.43	-102.51	2107.92	0.00	459457.25	787317.88	
13000.00	89.86	357.21	11001.20	2205.31	-107.37	2207.92	0.00	459557.13	787313.02	
13100.00	89.86	357.21	11001.44	2305.19	-112.23	2307.92	0.00	459657.01	787308.16	
13200.00	89.86	357.21	11001.69	2405.07	-117.09	2407.92	0.00	459756.89	787303.30	
13300.00	89.86	357.21	11001.93	2504.95	-121.96	2507.92	0.00	459856.77	787298.43	
13400.00	89.86	357.21	11002.17	2604.83	-126.82	2607.92	0.00	459956.65	787293.57	
13500.00	89.86	357.21	11002.41	2704.71	-131.68	2707.92	0.00	460056.53	787288.71	
13600.00	89.86	357.21	11002.66	2804.60	-136.55	2807.92	0.00	460156.42	787283.84	
13700.00	89.86	357.21	11002.90	2904.48	-141.41	2907.92	0.00	460256.30	787278.98	
13800.00	89.86	357.21	11003.14	3004.36	-146.27	3007.92	0.00	460356.18	787274.12	
13900.00	89.86	357.21	11003.38	3104.24	-151.13	3107.92	0.00	460456.06	787269.26	
14000.00	89.86	357.21	11003.63	3204.12	-156.00	3207.92	0.00	460555.94	787264.39	
14100.00	89.86	357.21	11003.87	3304.00	-160.86	3307.92	0.00	460655.82	787259.53	
14200.00	89.86	357.21	11004.11	3403.88	-165.72	3407.92	0.00	460755.70	787254.67	
14300.00	89.86	357.21	11004.35	3503.77	-170.59	3507.92	0.00	460855.59	787249.80	
14400.00	89.86	357.21	11004.59	3603.65	-175.45	3607.92	0.00	460955.47	787244.94	
14500.00	89.86	357.21	11004.84	3703.53	-180.31	3707.92	0.00	461055.35	787240.08	
14600.00	89.86	357.21	11005.08	3803.41	-185.17	3807.92	0.00	461155.23	787235.22	
14700.00	89.86	357.21	11005.32	3903.29	-190.04	3907.91	0.00	461255.11	787230.35	
14800.00	89.86	357.21	11005.56	4003.17	-194.90	4007.91	0.00	461354.99	787225.49	
14900.00	89.86	357.21	11005.81	4103.05	-199.76	4107.91	0.00	461454.87	787220.63	
15000.00	89.86	357.21	11006.05	4202.94	-204.63	4207.91	0.00	461554.76	787215.76	
15100.00	89.86	357.21	11006.29	4302.82	-209.49	4307.91	0.00	461654.64	787210.90	
15200.00	89.86	357.21	11006.53	4402.70	-214.35	4407.91	0.00	461754.52	787206.04	
15300.00	89.86	357.21	11006.78	4502.58	-219.21	4507.91	0.00	461854.40	787201.18	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushings)

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
15392.26	89.86	357.21	11007.00	4594.73	-223.70	4600.17	0.00	461946.55	787196.69	PBHL 4H