

3D-005-29136

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MAY 05 2010

HOBBSOCD

Permian District

NM - Chaves - Wolfcamp

Poseidon 22 State COM 1H

Well #1

Wellbore #1

Plan: Plat

Standard Planning Report

03 May, 2010

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Well #1
Company:	Permian District	TVD Reference:	WELL @ 4411 0ft (Original Well Elev)
Project:	NM - Chaves - Wolfcamp	MD Reference:	WELL @ 4411 0ft (Original Well Elev)
Site:	Poseidon 22 State COM 1H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat		

Project	NM - Chaves - Wolfcamp		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Poseidon 22 State COM 1H			
Site Position:		Northing:	729,056.41 ft	Latitude: 33.00311000
From:	Lat/Long	Easting:	663,041.84 ft	Longitude: -103.80151500
Position Uncertainty:	0 0 ft	Slot Radius:	0 000 in	Grid Convergence: 0 2897015 °

Well	Well #1			
Well Position	+N/-S	0 0 ft	Northing:	729,056 41 ft
	+E/-W	0 0 ft	Easting:	663,041.84 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	4,391.0 ft
			Ground Level:	4,391.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	User Defined	1/10/2008	0 0000000	0.0000000	0

Design	Plat			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0 0	0.0	269.79

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100ft)	(°/100ft)	(°/100ft)		
0 0	0 00	0 00	0.0	0.0	0.0	0.00	0 00	0 00	0.0000000	
8,473 4	0.00	0 00	8,473 4	0 0	0.0	0 00	0.00	0.00	0.0000000	
9,122 6	90 88	269 79	8,882.6	-1 5	-415.5	14.00	14 00	0.00	269 7866544	
13,331 5	90 88	269.79	8,818.0	-17.2	-4,624.0	0.00	0 00	0 00	0 0000000	Poseidon 22 Fed Con

Chesapeake Operating

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Wellbore:	Wellbore #1		
Design:	Plat		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,473.4	0.00	0.00	8,473.4	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	73.72	269.79	8,866.3	-1.1	-294.5	294.5	14.00	14.00	0.00
9,122.6	90.88	269.79	8,882.6	-1.5	-415.5	415.5	14.00	14.00	0.00
10,000.0	90.88	269.79	8,869.2	-4.8	-1,292.9	1,292.9	0.00	0.00	0.00
11,000.0	90.88	269.79	8,853.8	-8.5	-2,292.7	2,292.8	0.00	0.00	0.00
12,000.0	90.88	269.79	8,838.4	-12.3	-3,292.6	3,292.6	0.00	0.00	0.00
13,000.0	90.88	269.79	8,823.1	-16.0	-4,292.5	4,292.5	0.00	0.00	0.00
13,331.5	90.88	269.79	8,818.0	-17.2	-4,624.0	4,624.0	0.00	0.00	0.00

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Target Plane	-0.88	270.00	8,890.0	-36.7	128.8	729,020.31	663,170.79	33.00300900	-103.80109500
- plan misses target center by 273.7ft at 8748.1ft MD (8728.0 TVD, -0.3 N, -88.8 E)									
- Rectangle (sides W0.0 H0.0 D0.0)									
BHL_POSEIDON 22 ST.	0.00	0.00	8,817.0	-33.1	-4,611.9	728,999.95	658,430.16	33.00301800	-103.81655800
- plan misses target center by 16.0ft at 13319.6ft MD (8818.2 TVD, -17.2 N, -4612.0 E)									
- Point									
Poseidon 22 Fed Com 1	0.00	0.00	8,889.0	0.0	0.0	729,056.41	663,041.84	33.00311000	-103.80151500
- plan misses target center by 178.1ft at 8830.0ft MD (8786.6 TVD, -0.5 N, -145.8 E)									
- Point									
BHL-Draco 14 F 3H	0.00	0.00	8,815.0	3,923.1	-2,601.9	732,966.25	660,420.13	33.01389247	-103.81000287
- plan misses target center by 3932.9ft at 11295.1ft MD (8849.3 TVD, -9.6 N, -2587.8 E)									
- Point									
Poseidon 22 Fed Com 1	0.00	0.00	8,818.0	-17.2	-4,624.0	729,015.81	658,418.04	33.00306176	-103.81659727
- plan hits target center									
- Point									

Well : Poseidon 22 State Com 1H

County : Chaves

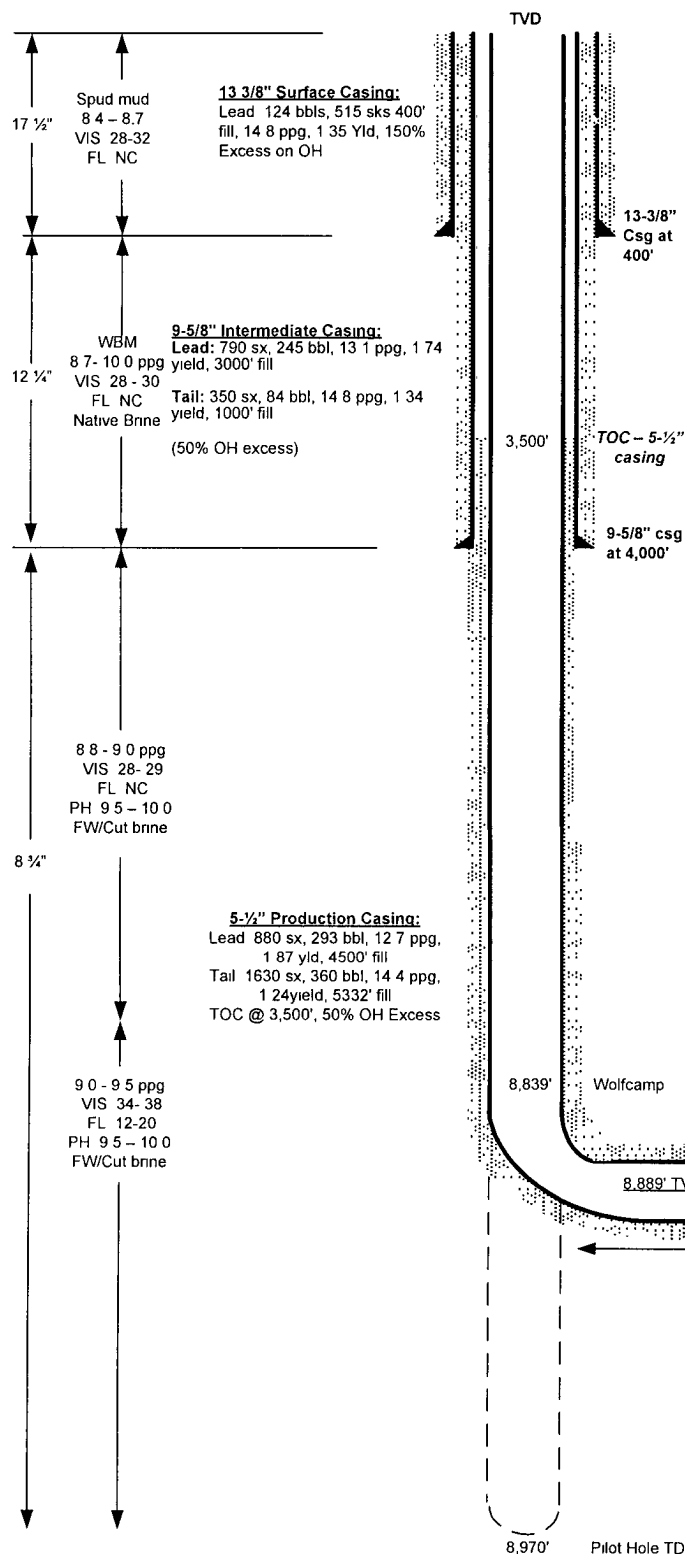
State : NM

Surf Locat : Section 22-15S-31E, 1980' FNL & 330' FEL Lat: 33.003110 Long: -103.801513 (NAD27)

BH Locat : Section 22-15S-31E, 1980' FNL & 330' FWL Lat: 33.003062 Long: -103.816597 (NAD27)

KB Elev : 4,391' [Estimate]

Grd Elev : 4,391' [Estimate]



Wellhead Equipment

Tree Connection	
Backpressure Valve	
Tubing Spool	11" 5M x 7 1/16" 10K
Casing Spool	13-5/8" 5M x 11" 5M
Bradenhead	13-3/8" SOW x 13-5/8" 5M

Logging Program

Company	Log Type	Interval
XX		
XX		Curve and lateral

Mud logging personnel at intermediate casing shoe to TD

Tubular Detail

	Size	Wt	Grd	Conn.	From	To
Surface	13-3/8"	48#	H-40	STC	0'	400'
Inter	9 5/8"	40#	J-55	LTC	0'	4,000'
Prod	5 1/2"	20 0#	L-80	LTC	0'	Lateral TD

Lateral Directional Plan

	MD	INC	AZM	TVD	BUR	DLS
KOP	8,473'	0	0	8,473'	0	0
EOB	9,123'	90 88	269 79	8,883'	14 0	14 0
TD	13,332'	90 88	269 79	8,818'	0	0

Vendors

Rig	
Directional	
Mud	
Cement	
Wellhead	
Wireline Logging	
Mud Logging	

**Mud logging at intermediate casing shoe

8,889' TVD @ 0° VS w/0.88 deg updip. Incl. 90.88 deg. Azi. 269.79 deg.
Target Window 10' above and below target line

4,209' of 8-3/4" Lateral Hole

Well TD at 13,332' MD,
8,818' TVD, 4,624' VS

BLOWOUT PREVENTOR SCHEMATIC

CHESAPEAKE OPERATING INC

WELL : Poseidon 22 State Com #1H

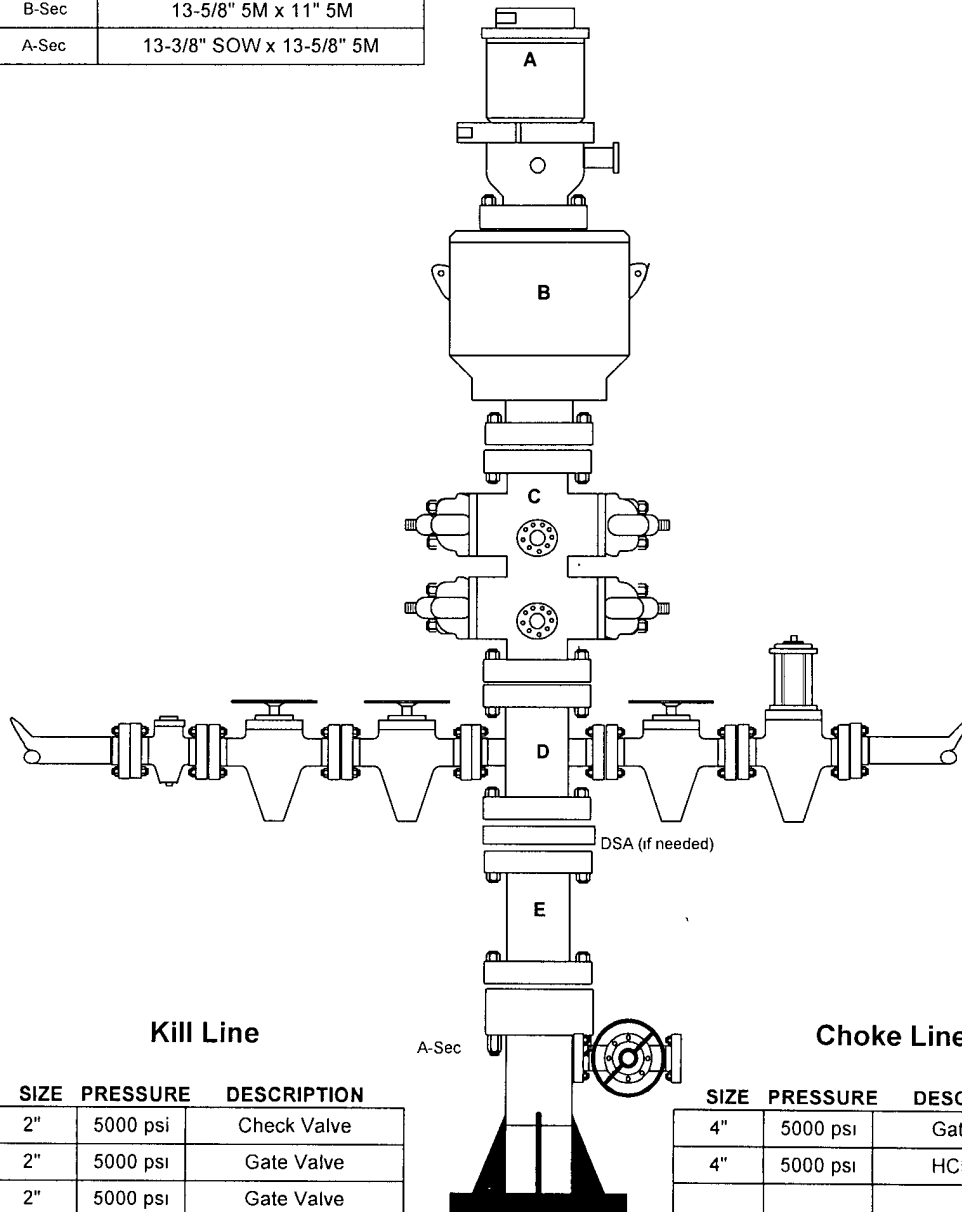
RIG : Cactus 120

COUNTY : Chaves

STATE: New Mexico

OPERATION: Drill out below 13-3/8" Casing (12-1/4" hole size)

	SIZE	PRESSURE	DESCRIPTION
A	13-5/8"	500 psi	Rot Head
B	13-5/8"	5000 psi	Annular
C	13-5/8"	5000 psi	Pipe/Blind Dbl Rams
D	13-5/8"	5000 psi	Mud Cross
E	13-5/8"	5000 psi	Spacer Spool
DSA	11" 5M x 13-5/8" 3M (if needed)		
B-Sec	13-5/8" 5M x 11" 5M		
A-Sec	13-3/8" SOW x 13-5/8" 5M		



Kill Line

SIZE	PRESSURE	DESCRIPTION
2"	5000 psi	Check Valve
2"	5000 psi	Gate Valve
2"	5000 psi	Gate Valve

Choke Line

SIZE	PRESSURE	DESCRIPTION
4"	5000 psi	Gate Valve
4"	5000 psi	HCR Valve