

U.S. Department of the Interior
Minerals Management Service (MMS)

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Supplemental APD Information Sheet

1. OPERATOR NAME Anadarko Petroleum Corporation				5. WELL NAME (Proposed) 1		6. TYPE OF WELL <input checked="" type="checkbox"/> EXPLORATORY <input type="checkbox"/> DEVELOPMENT				11. WATER DEPTH 5819		12. ELEVATION AT KB 82	
2. API WELL NO. (Proposed) (12 Digits)		3. BOTTOM LEASE NO. (Proposed) 20259		7. SIDETRACK NO. (Proposed)		8. BYPASS NO. (Proposed)				13. H ₂ S DESIGNATION <input type="checkbox"/> KNOWN <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> ABSENT			
4. TOTAL DEPTH (Proposed) MD 31,011 TVD 30,500				9. RIG NAME Noble Paul Romano				10. RIG TYPE Semisubmersible		14. H ₂ S ACTIVATION PLAN DEPTH FT (TVD)			

15. ENGINEERING DATA																							
Hole Size (in)	Casing (Indicate if Liner)	Casing Size (in)	Weight (#/Feet)	Burst Rating (psi)	Type of Connection	MASP (psi)	Safety Factors			Top of Liner MD	Casing Depth (Feet)	Casing Shoe (psi)			Wellhead Rating (psi)	BOP Size (in)	Rated BOP Working Pressure	Test Pressure			Cement (Feet ³)	Drilling Fluid Type (Oil Base, Water Base, Synthetic)	
			Grade	Collapse Rating (psi)			B	C	T		TVD	PP	MW	FG			Annular/ Diverter (psi)	Annular/ Diverter (psi)	Casing Test (psi)	Casing Shoe (ppg)			
																							Ram (psi)
Jetted	Drive Pipe	36	726		HC-100D/MT						5,928												
			X-70	---							5,928												
			726		HC-100D/MT																		
			X-70	---																			
			552.5		D-90/MT																		
			X-65	---																			6,008
			374		D-60/MT																		
			X-65	---																			6,226
26	Conductor Casing	22	224.2	6364	S-90 MT	2,616 psi	2.43	1.93	4.74		8,213	8.8 ppg	9.0 ppg	12.8 ppg	15,000 psi	18 3/4"	10,000 psi	250/3,500 psi	4,500 SW	12.7 EMW		In Place	
			X-80	3873							8,213							15,000 psi	250/5,000 psi				
18,125	Intermediate Casing	13.625	88.2	10,610	HYD 523	7,716 psi	1.38	1.54	2.53		19,500	12.0 ppg	12.4 ppg	15.8 ppg	15,000 psi	18 3/4"	10,000 psi	250/3,500 psi	4,000 12.4	15.6 EMW	2,700	Synthetic	
			HQC-125 E	5,930							19,500							15,000 psi	250/9,000 psi				
14	Intermediate Liner	11.875	71.8	10,720 psi	HYD 513	8,821 psi	1.20	1.02	4.41	19,200	19,200 to 26,141	12.9 ppg	14.2 ppg	14.7 ppg	15,000 psi	18 3/4"	10,000 psi	250/3,500 psi	1,600 14.2	14.7 EMW	900	Synthetic	
			HQC-125	7,190 psi							19,200 to 26,022							15,000 psi	250/9,000 psi				
10,625	Intermediate Liner	9.375	39	9,330 psi	HYD 513	7,041 psi	1.51	1.03	25.12	25,841	25,841 to 27,857	14.0 ppg	14.2 ppg	15.0 ppg	15,000 psi	18 3/4"	10,000 psi	250/3,500 psi	1,100 14.2	15.0 EMW	100	Synthetic	
			HQC-125	4,850 psi							25,747 to 27,600							15,000 psi	250/9,000 psi				
8.5	Open Hole										31,011	14.2 ppg	14.5 ppg	15.5 ppg	15,000 psi	18 3/4"	10,000 psi	250/3,500 psi				Synthetic	
											30,500							15,000 psi	250/9,000 psi				

18. CONTACT NAME Jim Kunning				17. CONTACT PHONE NO. (832) 636-3909				18. CONTACT E-MAIL ADDRESS jim.kunning@anadarko.com			
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19. Will you maintain quantities of mud and mud material (including weight materials and additives) sufficient to raise the entire system mud weight 1/2 ppg or more? ☐ YES ☒ NO

20. REMARKS
A) Minimum Mud Quantities: 1,000 sks barite 200 sks gel
B) Cement volumes will be the minimum pumped.
C) MWD surveys to be used as composite file.
D) 18" liner will not be cemented 200' inside 22".
E) Request permission to perform visual inspection of riser and BOPstack at a minimum of every 3 days.
F) Annular preventers to be used up to 3,000 psi and pipe rams above 3,000 psi.
G) Request permission to stump test BOP's to 10,000 psi. Annular to 5000 psi.
H) Directional Build & Hold: KOP @ 23,900' MD/TVD, BUR 2.0°/100' to 23.17° @ 25,058'/25,027' MD/TVD, Azimuth 357.77°
I) Zone Protection: All zones which contain oil, gas, or fresh water will be protected by cement, or casing and cement.
J) Mud Disposal: Discharge will be free of oil and will be in compliance with and monitored as required by the EPA NPDES. General Permit (GMG 290000) in accordance with 40 CFR 122-6.
K) Mud Weight: Request .3 ppg waiver between MW at 13.625" casing shoe and FG at 22" shoe.
L) BOP Test: BOP's tested every 14 days. Request permission to perform visual inspection of riser and BOP stack at a minimum of every 3 days. Request permission to stump test BOP's to 10,000 psi., annulars to 5000 psi. Annular preventers to be used up to 3,000 psi and pipe rams above 3,000 psi. Blind shear rams will be tested after running casing to the casing test pressure, the interval between tests will not exceed 30 days.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 *et seq.*) requires us to inform you that we collect this information to obtain well status, well and casing test, and well casing configuration data. MMS uses this information to have