Form 3160-5 (February 2005)

UNITED STATES DEPARTMENT OF THE INTERIOR CD-HOBBS BUREAU OF LAND MANAGEMENT

	FORM APPROVED
	OMB No. 1004-0137
	Expires: March 31, 2007
CI NI-	

5. Lease Serial No. NMNM-101609

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

	IN TRIPLICATE – Other instruction	ns on page 2.	7. If Unit of	CA/Agreement, Name and/or No.	
I. Type of Well	ell Other		8. Well Nam	e and No	
Oil Well Gas W		DINWIDDIE	23 FEDERAL 1		
2. Name of Operator CHESAPEAKE OPERATING, INC.	ATTN: LINDA	GOOD	9. API Well 30-025-382	No. 42	
3a. Address P. O. BOX 18496		No. (include area cod	de) 10. Field and WILDCAT	Pool or Exploratory Area	
OKLAHOMA CITY, OK 73154-0496 4. Location of Well (Footage, Sec., T., I		37-4275 		or Parish, State	
1400 FNL & 660 FEL, SENE, SECTION 23, T25	· •		,	TY, NEW MEXICO	
12. CHEC	K THE APPROPRIATE BOX(ES) TO	INDICATE NATURE	OF NOTICE, REPORT	OR OTHER DATA	
TYPE OF SUBMISSION		TYI	PE OF ACTION		
✓ Notice of Intent		Deepen Fracture Treat	Production (Start/R Reclamation	esume) Water Shut-Off Well Integrity	
Subsequent Report	Casing Repair	New Construction	Recomplete	Other Chng to Orig. APD	
First About a course		Plug and Abandon	Temporarily Aband	on	
Final Abandonment Notice		Plug Back	Water Disposal	osed work and approximate duration thereof.	
the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)					
Fred Wright (BLM - Carlsbad) gave	verbal approval by telephone @ 17:	:53 CDT 1/30/07 per	nding hard copy of varia	ance on Sundry.	
5000# test OK for 9 5/8" interval.					
Propose to run in 8 3/4" hole with 7"	26# P-110 LTC Intermediate casing	to 12,150'.			
Plan to cement w/523 sx, tail in w/15	66 sx. Estimated top of cement @ 4	500'.		1819202122	
10,000# test for 7" interval.				(5) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	
Choke manifold: 1 manual and 1 hyd	draulic.			De sodd R	
Will notify BLM of cement job and BOPE testing.					
Plan to cement w/523 sx, tail in w/156 sx. Estimated top of cement @ 4500'. 10,000# test for 7" interval. Choke manifold: 1 manual and 1 hydraulic. Will notify BLM of cement job and BOPE testing. Attachment: BOP Schematic and Wellbore Schematic.					
				Soco Ti Che de la Company	
(CHK PN 612528) 14. I hereby certify that the foregoing is tr	the and correct			123456	
Name (Printed/Typed) LINDA GOOD	de and correct.	Title FEDERA	L REGULATORY PER	MITTING AGENT	
Signature Kindu	Good	Date 01/31/20	07		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE APPROVED					
Approved by					
6114W-11146-11146		Title		Date B 2 2007	
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.					
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to m fictitious or fraudulent statements or representations as to any matter within its jurisdiction.				PETROLEON COLOR COLOR	
(Instructions on page 2)	1				

BLOWOUT PREVENTOR SCHEMATIC

CHESAPEAKE OPERATING INC

WELL:

Dinwiddie 23 Federal 1

RIG:

Nomac 21

COUNTY:

Eddy

STATE: New Mexico

OPERATION: Drill out below 7" Casing

3 11" 5000 psi Annular C 11" 10,000 psi Pipe Rams D 11" 10,000 psi Pipe Rams E 11" 10,000 psi Mud Cross		OI LI	CATION, L	7111 Out below 7	Casing
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		-	. 0,000 psi	Odic valve	-

CHESAPEAKE OPERATING INC

Proposed Well Schematic

WELL

: Dinwiddie 23 Federal 1

SHL

: Section 23-25S-35E (1400' FNL & 660' FEL)

TARGET

: Straight

COUNTY : Lea

STATE: New Mexico

FIELD

: Talco Prospect

ELEVATION: GL - 3131' (8/28/06 survey)

KB - 3154' (based on est, 23' KB height)

HOLE SIZE		FORMATION TOPS	LOGGING PROGRAM	CASING & CEMENT	MUD WT
17 1/2"	800'	TOC on 13-3/8" @ surf TOC on 9-5/8" @ surf Rustler 	ace	13-3/8" Surface Casing: Lead: 35:65 Poz Class C + additives 12.4 ppg, 2.10 yield Tail: 200 sx Class C + additives 14.8 ppg, 1.34 yield	Surface to 850' 8.5 - 9.0 ppg Vis: 32-36 FL: N/C Drill Solids: <5%
12-1/4"	850'	TOC for 7" @ ~4500'		9-5/8" Intermediate Casing: Lead: 35:65 Poz : Class C + additives	850' - 5000' 10.0 - 10.1 ppg Vis: 28-30 FL: N/C Drill Solids: <1%
	5000' 5055'	9-5/8" 40# J-55 LTC Inte	rmediate Casing	12.4 ppg, 2.10 yield Tail: 200 sx Class C + additives 14.8 ppg, 1.34 yield	+
	8700' 9920'	Bone Springs Lime First Bone Springs Sand	Mudlogger TBD		
8-3/4"			GR Den, Neu, PE& Dual Laterolog-S 5055' - 15,800' Also Sonic, Dip Meter and SWC ov select intervals		5000' – 12,150' 8.4 - 10.0 ppg Vis: 28-30 FL: N/C Drill Solids: <1%
	11,550 11,850 12,090	Third Bone Springs (oll) Wolfcamp		7" intermediate Casing:	
 	12,090	Wolfcamp Marker (gas) 7" 26# P-110 LTC Casing	1	Tall: TXI LW or similar + additives 13.0 ppg, 1.40 yield	
			- primary objective)		
6-1/8"		13,650' Atoka Shale 13,680' Atoka Sandstone 13,700' Atoka Bank (gas 13,800' Atoka Carbonate			12,150' - 15,80 10,0-14.0 ppg Vis: 38-50 FL: 15-8 cc Drill Solids: <5%
		14,720' Morrow 15,160' Morrow Clastic	ndatana (con mimono a	h foration)	
	15.000		ndstone (gas – primary ol nd (gas – primary objectiv	4-1/2" Production Casin	g:
	15,800°	4-1/2" 15.1 P - 110 LTC C	asing		

PREPARED BY:	RLP	DATE: 1/11/07
REVISED BY:		DATE:

SUNDRY NOTICE SPECIAL STIPULATIONS

- 1. Approval is granted for changes in the COA for the casing settings and cementing to read as follows:
- 2. Approved eliminating the 5.5" production casing string and setting 7" 26# P-110 LTC intermediate casing from 0-12,150' with cement circulated to at least 500 feet inside the 9.625" casing.
- 3. The production casing will be 4.5" 15.1# P-110 from 0-15,800' with cement brought up at least 500 feet inside the 7" casing string.
- 4. The 10M BOP system nippled up on the 9.625" casing can be tested to 5000 psi.
- 5. The 10M BOP system must be tested to 10,000 psi before drilling out of the 7" casing.

Engineering can be reached at 505-706-2779 for any variances that might be necessary.

F Wright 2/1/07