Form 3160-5 (August 2007)

(Instructions on page 2)

# UNITED STATESOCD-ARTESIA DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

Lease	Ser	ial	No.		

SHL: NMNM98807 BHL: VO5557

6. If Indian, Allottee or Tribe Name N/A

abandoned well.	Use Form 3160-3 (A	PD) for sucl	h proposals.					
SUBMIT IN TRIPLICATE - Other instructions on page 2.					7. If Unit of CA/Agreement, Name and/or No.			
1. Type of Well	N/.	A 						
Oil Well Gas Well Other					8. Well Name and No. CARBON VALLEY 25 FED COM #5H			
2. Name of Operator MURCHISON	OIL & GAS, INC.				9. API Well No. 30-01	5-37602		
3a. Address 1100 MIRA VISTA BLVD.		3b. Phone No. (	include area code)		10. Field and Pool or E			
PLANO, TX 75093-4698		972-931-0700	)		DOG CANYON; WOLFCAMP			
<ol> <li>Location of Well (Footage, Sec., T. SHL: 1980' FSL &amp; 200' FEL, SEC. 25, T1 BHL: 1980' FSL &amp; 330' FWL, SEC. 25, T1</li> </ol>	6S, R27E, UNIT I	ı) 			11. Country or Parish, EDDY COUNTY			
12. CHE	CK THE APPROPRIATE BO	OX(ES) TO INDIC	CATE NATURE C	F NOT	ICE, REPORT OR OTHE	ER DATA		
TYPE OF SUBMISSION			TYPE	OF AC	TION			
✓ Notice of Intent	Acidize Alter Casing	Deeper Fractur	n re Treat		oduction (Start/Resume)	=	iter Shut-Of Il Integrity	f
Subsequent Report	Casing Repair		onstruction	_	complete	Otl	her	
Final Abandonment Notice	Change Plans Convert to Injection	☐ Plug ar	nd Abandon		mporarily Abandon ater Disposal			
Attach the Bond under which the following completion of the involtesting has been completed. Fina determined that the site is ready f Murchison Oil & Gas, Inc. respectf attached.  Possible DHC behind	lved operations. If the operati I Abandonment Notices must or final inspection.) ully requests to change our	ion results in a mube filed only after r previously appropriate subjects and subjects are subjects.	ultiple completion of all requirements,	r reconncludin	npletion in a new interval, ng reclamation, have been	A Form 3 completed and depths are supplementally being the complete and the complete are supplementally being the complete are supplementally bein	RE  NMO	be filed once perator has
14. I hereby certify that the foregoing is	true and correct. Name (Printe	ed/Typed)						<del></del>
A. Arnold Nall			Title Vice Presid	ent Op	perations			
Signature (Music	leffay		Date 09/09/2010	)			<u>.                                 </u>	
	THIS SPACE	FOR FEDER	RAL OR STA	E OI	FFICE USE			
Approved by								
Conditions of approval, if any, are attach	ed. Approval of this notice doe	es not warrant or ce	Title			Date	<del></del>	
that the applicant holds legal or equitable entitle the applicant to conduct operation	title to those rights in the subjest thereon.	ect lease which wou	office Office					
Title 18 U.S.C. Section 1001 and Title 4 fictitious or fraudulent statements or rep				willfully	to make to any department	t or agency	of the Unit	ed States any false,

### Murchison Oil & Gas, Inc. Carbon Valley 25 Fed Com #5H (30-015-37602) Sec. 25, T16S, R27E Eddy Co., NM

#### 5. CASING AND CEMENTING PROGRAM

Casing Size	Hole Size	Interval	Wt/Ft	Grade	Joint	Length	Condition
7"	8-3/4"	0'-5,540'	26.0#	HCP-110	LT&C	5,540'	New
7"	8-3/4"	5,540'-5,840'	26.0#	HCP-110	BT&C	300'	New
4-1/2"	6-1/8"	5,740'-10,779'	11.6#	HCP-110	BT&C	5,039	New

Casing Size	Burst Rating (psi)	Safety Factor	Collapse Rating (psi)	Safety Factor	Tension Rating (1000 lbs)	Safety Factor
7"	9,950	3.10	7,800	2.7	693	4.56
4-1/2"	10,690	3.20	8,650	2.6	397	30+

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

#### 6. CASING DEPTH AND CEMENTING PROGRAM:

#### 7" Production Casing - Cementing Program

Cement lead with 880 sacks of EconoCem System + additives with yield = 1.85 cu.ft./sack; tail with 190 sacks HalCem Premium Plus with yield = 1.33 cu.ft./sack; sufficient volume of cement will be pumped to ensure cement is circulated to surface.

#### 4.5" Production Liner - Cementing Program

Plan to utilize 4-1/2" 11.6# HCP-110 BTC Peak completion liner system from RSB packer @ 5,740' to TD of 10,779' MD. No cement required.

The 9-5/8" surface casing design, setting depth and proposed cementing program are not affected by the above proposed changes.

#### 7. MUD PROGRAM

0 – 1100'	Fresh water / native mud. Wt. 8.4 to 8.6 ppg, vis 28-34 sec, Lime for pH control.
	Paper for seepage. Lost circulation may be encountered.

1100' – 5840' Cut brine. Wt. 8.4 – 8.8 ppg, vis 28-29 sec, No control water loss, lime for pH control.

5840' – 10779' Mud up with XCD Polymer mud system. Wt. 9.0 – 9.5 ppg, Vis 32-40 sec, WL 8-10 cc.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run open-hole logs and casing, the viscosity and water loss may have to be adjusted to meet these needs.

Mud system monitoring equipment with derrick floor indicators and visual / audio alarms shall be installed and operative prior to drilling into the Wolfcamp formation. This equipment will remain in use until the production casing is run and cemented. Monitoring equipment shall consist of the following:

A recording pit level indicator.

A pit volume totalizer.

A flowline sensor.