`Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

CD-ARTESIA	FORM APPROVED OMB No 1004-0137 Expires: March 31 2
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31,2007

5	Lease	Senal No.

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

6. If Indian, Allottee or Tribe Name

NM 98807

SUBMIT IN TRIPLICATE- Other Instructions on reverse side.				7 If Ollit of Crarkgrounding Hallo und of No	
1. Type of Well ✓ Oil Well □ □	Gas Well□□ Other	DEC -	- 9 2009	NM 103319 mm 8 Well Name and No.	
2. Name of Operator MURCHISON OIL & GAS, INC. NIMOCD ARTESIA			CARBON VALLEY 25 FEDERAL #1 9. API Well No.		
3a Address 1100 MIRA VISTA BLVD., PLANO, TX. 75093-4698		3b. Phone No. (include area code) 972-931-0700		30-015-30953 10. Field and Pool, or Exploratory Area	
4. Location of Well (Footage, Sec., T, R, M., or Survey Description)			DOG CANYON; WOLFCAMP		
1650' FSL & 660' FEL SEC. 25, T16S, R27E				11 County or Parish, State EDDY CO., NM.	
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	-	TYP	E OF ACTION		
Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Production (Stan Reclamation Recomplete Temporarily Ab	Well Integrity Other	

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13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Murchison Oil & Gas, Inc. request approval to plug back the current perforated Morrow interval at 9310' - 9314' and 9345' - 9359' by setting CIBP at 9250' and spotting a 25 sx cement plug to 8994'; then spot 40 bbls 10 PPG salt gel from 8950' - 7250'; then set a 2nd CIBP at 7500' and dumpbail 35' of cement to achieve a new PBTD at 7465'. Following plugback, a recompletion to the Wolfcamp will occur as proposed per attached detailed procedure.

> AFTER RECOMPLETION AND TESTING PLEASE SUBMIT 3160-4 COMPLETION REPORT FOR THE Wolf camp INTERVAL(S) WITHIN 30 DAYS

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed)	1					
A. Arnold Nall	Title	Vice Preside	ent Operations			
Signature (Mundelfall	Date		11/18/2009			
THIS SPACE FOR FEDERAL OR STATE OFFICE USE						
Approved by Conditions of approval, if any, are attached. Approval of this notice does not warra certify that the applicant holds legal or equitable title to those rights in the subject lewhich would entitle the applicant to conduct operations thereon.		Title Office	AP	PROVED Roger Hall		
Title 18 USC Section 1001 and Title 43 USC. Section 1212, make it a crime for any States any false, fictitious or fraudulent statements or representations as to anymatte (Instructions on page 2)	person r within	knowingly and will its jurisdiction	Petrol BUREAU 0	cum Engine F LAND MANAGEMEN BAD FIELD OFFICE		
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MURCHISON OIL AND GAS, INC.

Carbon Valley 25 Fed #1 Sec. 25, T-16S, R-27E 1650' FSL AND 660' FEL Eddy County, New Mexico

WORKOVER PROCEDURE

November 16, 2009

CASING:

Surface -13 3/8" - 48#, H-40 8 5/8" - 24#, Intermediate K-55 ST&C 5 1/2" - 17# Production N-80 LT&C

1,362' Cmt Cir. (a) 9,520' TOC by CBL 5,314' DV Tool @ 6,901'

Cmt Cir.

370'

5 1/2" csg burst 7,740 psi

LOGS:

Schlumberger -

CNLD-GR,PEALL

Dated 06-28-2000

REFERENCE LOG:

Schlumberger -

CNLD-GR,

Dated 06-28-2000

GL - 3,508'

KB - 3,523'

KB correction: - 15'

CURRENT PERFORATIONS:

Morrow

9310' - 9314' and 9345' - 9359'

PROPOSED PERFORATIONS:

Wolfcamp

6286' - 6298'; 6325' - 6339'; 6358' - 6368'; 6386' - 6394'

EQUIPMENT:

Tubing

285 Jts 2 3/8" tbg is in the hole and will be moved to MOGI yard for stock.

Packer 5 1/2" x 2 3/8" AS1 pkr w/ 1.87 F nipple and on/off tool

Production Equipment - 1 – 250 Bbl open top water tank and 250 MMBTU EGI 3 phase gas production unit. The gas unit will be sent to MOGI yard for stock, and tank will be used if possible.

Production Tree

5k production tree will be sent to Cameron for stock

Pumping Unit

Will be sized and set based on production test

Rods and Pump Battery

Pump and rods will be sized and installed based on production test. Battery will be sized, ordered and constructed based on production test

PROCEDURE:

1. Test anchors and prepare location as needed. MOGI Carbon Valley 25 Fed #1 Workover Procedure 11-16-09 Page 2 of 2

- 2. Set matting board for PU and RUPU.
- 3. Pump 35 Bbls 7% kcl water down tbg. ND tree and NU 3K manual BOP with 2 3/8" pipe rams.
- 4. Release pkr and POOH w/ tbg and pkr.
- 5. RU wireline and set CIBP at 9,250' TIH w/ tbg and spot 25sx class C cmt plug to 8,994'
- 6. Pull up hole w/ tbg to 8,950' circulate tbg clean and spot 40 Bbls of 10# salt gel from 8,950' to 7,250'. top of Cisco 7541'.
- 6. Set cat walk and pipe racks. POOH and lay down all 2 3/8" tbg.

NOTE:

- a. Move all 2 3/8" tbg to Caprock pipe and supply to be inspected and move to MOGI yard in Carlsbad.
- b. Deliver and rack 6,500' of 2 7/8" eue L-80 6.5# tbg from MOGI stock.
- 7. RU wireline and set CIBP at 7,500' and cap w/ 35' cmt via dump bailer (TOP of Cisco at 7,541'). Pressure test csg to 6,100 psi.
- 8. Perforate Wolfcamp with 4" expendable csg guns at 6 JSPF 120 degree phasing as follows:

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6286' - 6298' (12') 72 holes; 6325' - 6339' (14') 84 holes; 6358' - 6368' (10') 60 holes; and 6386' - 6394' (8') 48 holes Total: 44' - 264 holes
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- 9. TIH w/ AS1 packer and sufficient tbg to set pkr at $6,180 \pm .$ RU swab and swab well for clean up and test.
- 10. Acid treat w/ 7000 gals 20% HCL NEFE and 350 1.3 RCN ball sealers evenly spaced in treatment at 5 to 6 BPM. Max treating pressure 7,500 psi, flush w/ 4% KCL and over flush 50 Bbls.
- 11. RU swab and swab test for clean up and production test. POOH w/ tbg and NU 10K frac valve on Csg.
- 12. Frac treat with 150,000 gal Silver Stim LT R(21) and stage sand .5 PPG to 1.75 PPG 106,000# Premium White 30/50 sand. Frac down csg at 40 to 50 BPM w/ 6,000 psi max treating pressure.
- 13. Flow for clean up and production test.
- 14. Kill well as required ND frac valve and NU 3K manual BOP. TIH w/ 3' slotted mud anchor mech. SN 5 jts tbg, 2.7/8" x 5 ½" TAC and sufficient tbg to set sn at 6,230' \pm .
- 15. TIH w/ 1 ¾" pump, and tapered 1" and 7/8" rod string. Set 640 pumping unit and place well in production.
- 16. Set two 500 Bbl steel oil tanks, one 300 Bbl fiberglass water tank, $30 \times 10 \times 250$ psi two phase separator, and $4 \times 20 \times 75$ psi treater. Construct battery as needed for production.